

February 2020

FINAL

**Mullet Lake Park
Road Conceptual
Drainage
Alternatives
Project**

**TECHNICAL
MEMORANDUM**



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MULLET LAKE PARK ROAD CONCEPTUAL DRAINAGE ALTERNATIVES PROJECT

Prepared for:



**PUBLIC WORKS
ENGINEERING
DIVISION**

Prepared by:



FINAL **TECHNICAL MEMORANDUM**

Mullet Lake Park Road

Alternatives Project

SEMINOLE COUNTY, FLORIDA

Prepared for:



SEMINOLE COUNTY PUBLIC WORKS ENGINEERING DIVISION

Prepared by:



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TABLE OF CONTENTS

TECHNICAL MEMORANDUM	PAGE
TABLE OF CONTENTS.....	I
SECTION 1: PROJECT CHARACTERISTICS AND METHODOLOGY	1
1.1 PREVIOUS STUDY EFFORTS	1
1.1.1 Mullet Lake Park Road Outfall Study (2004)	1
1.1.2 Mullet Lake Park Road Stormwater Improvements Project (2006)	2
1.2 PROJECT OBJECTIVES	4
1.3 DATA COLLECTION	4
1.3.1 Records Data	4
1.3.2 Complaint Logs	4
1.3.3 Field Inspection Summary	4
1.3.4 Project Survey	4
1.3.5 GIS Data	5
1.4 ANALYSIS METHODOLOGY	5
1.4.1 Hydrologic and Hydraulic (H&H) Model Software	5
1.4.2 H&H Modeling Parameters	5
SECTION 2: EXISTING CONDITIONS ANALYSIS	7
2.1 PROJECT AREA DRAINAGE PROBLEMS	7
2.2 PROJECT AREA CHARACTERISTICS	7
2.2.1 Existing Drainage Pattern and Infrastructure	7
2.2.2 Existing Ownership Description	7
2.2.3 Topography	8
2.2.4 Soils	8
2.2.5 Land Use	8
2.2.6 FEMA Floodplain	8
2.2.7 Subbasin Information	9
2.2.8 Environmental Issues	9
2.3 MODEL CONNECTIVITY	9
2.4 MODEL DEVELOPMENT	9
2.4.1 Runoff Curve Numbers	9
2.4.2 Time of Concentration	9
2.4.3 Initial and Warning Stages	10
2.4.4 Tailwater Conditions	10
2.5 MODEL CALIBRATION	10
2.6 MODEL RESULTS SUMMARY	10
SECTION 3: ALTERNATIVE CONDITIONS ANALYSIS	12
3.1 INTRODUCTION	12
3.2 DESIGN CRITERIA	12
3.3 ALTERNATIVE 1 SUMMARY	13
3.3.1 Model Development	13
3.3.2 Model Connectivity	14
3.3.3 Model Results Summary	14
3.3.4 Environmental Concerns	15
3.3.5 Floodplain Impacts	15
3.3.6 Permitting Considerations	15
3.3.7 Real Estate	15
3.3.8 Constructability	16
3.3.9 Maintenance Requirements	16

3.3.10	Engineer's Estimate of Construction Costs	16
3.4	ALTERNATIVE 2 SUMMARY	16
3.4.1	Model Development	17
3.4.2	Model Connectivity	18
3.4.3	Model Results Summary	18
3.4.4	Environmental Concerns	19
3.4.5	Floodplain Impacts	19
3.4.6	Permitting Considerations	19
3.4.7	Real Estate	19
3.4.8	Constructability	20
3.4.9	Maintenance Requirements	20
3.4.10	Engineer's Estimate of Construction Costs	21
3.5	ALTERNATIVE 3 SUMMARY	21
3.5.1	Model Development	21
3.5.2	Model Connectivity	22
3.5.3	Model Results Summary	22
3.5.4	Environmental Concerns	23
3.5.5	Floodplain Impacts	23
3.5.6	Permitting Considerations	23
3.5.7	Real Estate	23
3.5.8	Constructability	24
3.5.9	Maintenance Requirements	24
3.5.10	Engineer's Estimate of Construction Costs	24
SECTION 4: SUMMARY AND RECOMMENDATIONS		25
SECTION 5: PROJECT STATUS UPDATE AND CLOSE-OUT		27
SECTION 6: REFERENCES		28

LIST OF FIGURES

FIGURE 1 – VICINITY MAP
FIGURE 2 – PROJECT SITE & OWNERSHIP MAP
FIGURE 3 – INFRASTRUCTURE MAP
FIGURE 4 – TOPOGRAPHIC MAP
FIGURE 5 – SOILS MAP
FIGURE 6 – EXISTING LAND USE MAP
FIGURE 7 – FEMA FLOODPLAIN MAP
FIGURE 8 – EXISTING CONDITIONS MODEL NETWORK MAP
FIGURE 9 – ALTERNATIVE 1 CONCEPTUAL IMPROVEMENTS MAP
FIGURE 10 – ALTERNATIVE 2 CONCEPTUAL IMPROVEMENTS MAP
FIGURE 11A – ALTERNATIVE 3 CONCEPTUAL IMPROVEMENTS MAP
FIGURE 11B – ALTERNATIVE 3 PGL IMPROVEMENTS – TYPICAL SECTIONS & PROFILE

LIST OF TABLES

TABLE 1 – MODEL NODE MAXIMUM STAGE SUMMARY – EXISTING VS PROPOSED CONDITIONS
TABLE 2 – MODEL LINK PEAK FLOW SUMMARY – EXISTING VS PROPOSED CONDITIONS
TABLE 3 – BOUNDARY DISCHARGE VOLUME COMPARISON

LIST OF EXHIBITS

EXHIBIT 1 – EXISTING CONDITIONS MODEL NETWORK MAP

APPENDICES

- A. COMPLAINT LOGS
- B. PHOTOGRAPHIC DOCUMENTATION
- C. MODEL PARAMETERS
 - TABLE C-1 – EXISTING & ALTERNATIVE CONDITIONS CURVE NUMBER CALCULATION SUMMARY
 - TABLE C-2 – EXISTING & ALTERNATIVE CONDITIONS TIME OF CONCENTRATION CALCULATIONS
- D. EXISTING CONDITIONS ICPR MODEL INPUT & OUTPUT
- E. ALTERNATIVE CONDITIONS ICPR MODEL INPUT & OUTPUT
- F. SJRWMD PRE-APPLICATION MEETING MINUTES
- G. COMMUNITY PUBLIC MEETING MINUTES
- H. ELECTRONIC DELIVERABLES (DVD)
 - DATA COLLECTION
 - GIS
 - ICPR MODEL
 - REPORT
 - PHOTOS
 - SOUTHEASTERN SURVEY AND MAPPING CORPORATION (SSMC) SURVEY
 - COMPLAINT LOGS
 - CORRESPONDENCE
 - MEETINGS

SECTION 1: PROJECT CHARACTERISTICS AND METHODOLOGY

This Technical Memorandum presents an engineering study to assess flooding along Retreat Road. Retreat Road is located east of Mullet Lake Park Road and north of West Osceola Road in eastern Seminole County. The project area falls within the Mullet Lake Park Road (MLPR) ditch drainage basin, which is approximately 4,260 acres (6.66 square miles) and located near the town of Geneva. The project area is under the jurisdiction of the St. Johns River Water Management District (SJRWMD), and within the St. Johns River Watershed. The main focus area of the project (approximately 506 acres) is bounded by Blue Fish Place to the north, West Osceola Road to the south, MLPR to the west, and Bandit Way to the east. The focus area is within Sections 5 and 8 of Township 20 South, Range 32 East, and falls within Seminole County Commissioner District 5. Refer to [Figures 1](#) and [2](#) for a map of the overall vicinity and the project site, respectively.

1.1 PREVIOUS STUDY EFFORTS

1.1.1 Mullet Lake Park Road Outfall Study (2004)

In 2004, an initial investigation and preliminary conceptual solutions for the project area were presented in the *Mullet Lake Park Road Outfall Study – Final Engineering Report* submitted by Inwood. The report documented an evaluation of the existing conditions and problems within the MLPR ditch drainage basin (a study area of approximately 2,950 acres) and recommended conceptual solutions to correct the deficiencies in the area. The primary cause of the flooding problems was identified as an inability to accommodate runoff from upstream areas along the MLPR outfall ditch due to inadequate drainage infrastructure and conveyance. Due to undersized infrastructure along the MLPR ditch, residents in the area were experiencing flooding issues on their properties, particularly at Retreat Road. An alternatives analysis was performed to evaluate options to reroute flows from along Retreat Road to the MLPR outfall ditch and address concerns with runoff volume and / or conveyance issues. Proposed alternatives from the study are described as follows:

- **Alternative A:** Alternative A was an “Interim Solution” that would entail upsizing the existing stormsewer system. However, this option would only provide flood relief under the mean annual design storm event and would only provide benefit for residents along Retreat Road, not those residing at Osceola Road and MLPR.
- **Alternative B:** Alternative B proposed re-routing flow away from Retreat Road to an attenuation pond and would be constructed in conjunction with upsizing the existing storm sewer system as proposed in Alternative A. This alternative was shown to provide adequate flood protection for affected residents for design storms up to the 25-year / 24-hour event.
- **Alternative C:** Alternative C proposed utilizing the existing wetland system on the City of Sanford Spray Field property for flow attenuation and included controlling runoff via a control structure and bleed down device. This alternative was proposed to be constructed in conjunction with upsizing the existing storm sewer system as proposed in Alternative A. This alternative was shown to provide flood protection for the affected residential areas up to the 25-year 24-hour design storm event.

- **Alternative D:** Alternative D proposed a “buy out” option which consisted of purchasing the homes / properties affected by the existing flooding. For the purpose of determining the total cost of this option, the properties on east side of MLPR between SR 46 and Retreat Road, as well as all of the properties on the north side of Retreat Road (a total of 40 parcels) were included.

Based upon the study, Alternative C appeared to be the most practical alternative from an economic standpoint and the level of flood protection that would be provided to the affected properties. Implementation of Alternative C, however, was believed to be more difficult from a permitting and inter-governmental coordination standpoint. The improvements under Alternative B were believed to be easier to permit and maintain on a long-term basis. Ultimately, Alternatives B and C were recommended for implementation, with Alternative C being the preferred option and Alternative B being provided as a secondary option.

1.1.2 Mullet Lake Park Road Stormwater Improvements Project (2006)

In 2006, Inwood was retained by the Seminole County Stormwater & Roads Division to prepare a Technical Memorandum for the proposed MLPR Stormwater Improvements Project. This study built upon the original investigation and preliminary concept solutions prepared under the *Mullet Lake Park Road Outfall Study – Final Engineering Report (Inwood, 2004)*. The existing conditions for the project were adapted from the 2004 study and updated with additional data. The updated existing conditions showed similar results as the initial study, with the MLPR ditch overtopping during all modeled storm events. Flooding along the ditch was most notable at the intersection of MLPR and Retreat Road where the eastern ditch bank is at its lowest elevation relative to the ditch bottom.

Two main areas of focus were evaluated for design improvements to alleviate flooding. Improvements were first proposed for the various culverts along MLPR that are undersized and / or have adverse slopes. The second identified area was at City of Sanford Spray Field Site #10 (Site #10), upstream of SR 46.

- **Improvement Design Area 1 – Mullet Lake Park Road Ditch:** Improvements for the MLPR ditch focused on replacement / upsizing of culverts along the ditch downstream of Osceola Road to Estes Drive. All five (5) of the culvert improvement alternatives for this area proposed replacement of the existing dual 44"x72" arch corrugated metal pipe (ACMP) crossdrain at the Osceola Road / MLPR intersection with dual 48"x76" elliptical reinforced concrete pipe (ERCP), and replacement of the failing dual 60" corrugated metal pipe (CMP) sidedrains south of Perch Road with dual 60" reinforced concrete pipe (RCP) and associated headwalls. The acquisition of a ~30-foot-wide easement along the east side of MLPR from Osceola Road to the existing 48" CMP crossdrain south of Bass Boulevard was also included as part of each alternative. Culvert improvements alternatives from the study are summarized as follows:
 - **Culvert Alternative A:** this alternative proposed only replacing the undersized culverts (smaller than dual 60" culverts) from north of Perch Road to Estes Road with dual 60" RCPs.

- o **Culvert Alternative B:** this alternative proposed replacing the undersized culverts (smaller than dual 60" culverts) as well as any culverts within areas of significant (~ more than 1') adverse slopes from north of Perch Road to Estes Road with dual 60" RCPs.
- o **Culvert Alternative C:** this alternative proposed replacing all the culverts from north of Perch Road to Estes Road with dual 66" RCPs.
- o **Culvert Alternative D:** this alternative proposed replacing all the culverts from north of Osceola Road to Estes Road with dual 66" RCPs.
- o **Culvert Alternative E:** this alternative proposed replacing all the culverts from north of Osceola Road to Estes Road with dual 72" RCPs.
- **Improvement Design Area 2 – Weir south of S.R. 46 at City of Sanford Spray Fields:** Improvements for this area focused on attenuating upstream flows from the City of Sanford Spray Field Site #10. Site #10 generated a considerable amount of flow (~135 cfs for the 25-year / 24-hour storm) which discharges to MLPR ditch under existing conditions. Three weir alternatives, consisting of construction of an earthen berm with concrete weir structure in addition to the improvements from Culvert Alternative C described above, were evaluated. A bleeder was included with the weir structure and was set at the existing Site #10 outfall elevation. The alternatives consisted of varying the berm elevation based upon the Site #10 wetland normal pool elevation (Alternative C-1), wetland seasonal high elevation (Alternative C-2), and the maximum elevation without causing adverse upstream impacts (Alternative C-3). Ultimately, Alternative C-3 was deemed to be the most beneficial.

Based upon the 2006 study, Alternative C-3 was recommended for implementation. This alternative consisted of a combination of the improvements associated with Culvert Alternative C (upsizing pipes along the MLPR ditch) and construction of the weir structure for Sanford Spray Field Site #10 at the maximum elevation without adverse upstream impacts. However, following meetings with the St. Johns River Water Management District, concerns were identified with increased peak discharge volumes and rates at the MLPR ditch outfall into the St. Johns River. Given the lack of County ownership to construct improvements and SJRWMD concerns over permitting of the improvements, the alternative was determined to not be permissible and / or constructible and the project was put on hold.

Recently, the County coordinated with Inwood to determine if the previously identified project constraints could be resolved and a feasible solution to address the historical flooding along Mullet Lake Park Road could be accomplished. As part of those efforts, a meeting with the City was held to discuss the potential use of the City's Site #10 Spray Fields for stormwater attenuation (a key part of the previously recommended improvements). However, after further coordination, use of the Site #10 Spray Fields was found to no longer be a viable option due to the risk of flooding other low-lying adjacent properties.

Since the option of utilizing the City's Site #10 Spray Fields for stormwater attenuation was eliminated, the forward progress of the project was significantly impacted. Given the turn of events and constraints within the project area, engineering a permissible and cost beneficial

alternative to reduce the flooding was thought to not be practicable. However, the County wanted to complete an expanded evaluation of the study area in order to confirm this. The results of the expanded study are summarized in this Technical Memorandum.

1.2 PROJECT OBJECTIVES

The main objective of this study was to focus on evaluating alternative improvements that alleviate flooding of Retreat Road for the 10-year / 24-hour design storm event. Improvements were to be focused on the study area (not large-scale watershed improvements) and be permittable. Even though the County does not have right-of-way or easements along Retreat Road (60' deeded private right-of-way), it was assumed that residents along Retreat Road are willing to cooperate with the County in order to implement improvements that address the flooding concerns. Property acquisition (for the pond site) may also be necessary.

1.3 DATA COLLECTION

Various data sets were collected and / or compiled for this project. Electronic copies of the data sets discussed below are included with the project's associated electronic deliverables.

1.3.1 Records Data

Records data from Seminole County and SJRWMD such as permit, plans, work orders, GIS and photos for the developments and roads within the study area were researched. Pertinent information from the available records data was incorporated into the study.

1.3.2 Complaint Logs

The County provided complaint log documents for the area around MLPR and Retreat Road. Of the 21 complaints that were received and documented, 12 were related to flooding in the vicinity of the project focus area. The complaints specifically report street flooding due to the ditch overflowing at MLPR and inundation of Retreat Road. Complaint logs are provided in electronic format in [Appendix A](#) and select complaints are shown on [Figure 2](#). The Complaint Logs are also provided with the Electronic Deliverables.

1.3.3 Field Inspection Summary

A field visit was held at Retreat Road on September 9, 2019 with members of Inwood and Seminole County in order to walk the project and discuss the County's concerns and knowledge of the project area. An additional field inspection to verify locations of existing infrastructure was conducted by Inwood on September 26, 2019. Drainage infrastructure sample photos from the visits are included in [Appendix B](#) and also in the Electronic Deliverables.

1.3.4 Project Survey

In August 2019, surveying of Retreat Road from MLPR to Bandit Way was completed by Southeastern Survey and Mapping Corporation (SSMC), as a subconsultant to Inwood. The elevations provided in the survey reference the North American Vertical Datum of 1988 (NAVD88), which is the reference datum for this project. Refer to the electronic deliverables provided in [Appendix F](#) for the topographic survey. A datum conversion factor of -1.04 feet was used for converting elevations from the National Geodetic Vertical Datum of 1929 (NGVD29), the datum

of the previous studies, to NAVD88. All elevations for this study reference NAVD88 unless otherwise specified.

1.3.5 GIS Data

Soils and land use data were acquired from the Natural Resources Conservation Service (NRCS) and SJRWMD, respectively, for use in project mapping and model parameterization. The soils data were obtained from the NRCS Web Soil Survey and the existing land use data (2014) was obtained from SJRWMD. Topographic surface data were obtained from SJRWMD's 2009 Central Florida Coordination Area (CFCA) Surface Elevation Dataset in the form of a digital elevation model (DEM). The DEM references the NAVD88 vertical datum. Other GIS basemap data including floodplain data (from FEMA), PLSS boundaries (from SJRWMD), aerial imagery, and other miscellaneous data from Seminole County were also obtained.

1.4 ANALYSIS METHODOLOGY

1.4.1 Hydrologic and Hydraulic (H&H) Model Software

The Interconnected Channel and Pond Routing computer model (ICPR, Version 4.05) was used as the engineering modeling tool for the drainage analysis. ICPR was used for the hydrologic simulation of both rainfall and runoff, as well as the hydraulic routing of the runoff on the land surface and subsurface. In order to perform these model simulations, ICPR uses a node – link representation of real-world conditions. Using site characteristics and the SCS runoff method (or others), ICPR calculates rainfall rates, soil infiltration rates, and available storage capacity for discrete design storm events. A runoff hydrograph is modeled which can be applied to an area of hydraulic interest within the study limits. The calculated runoff is then hydrodynamically routed through any number of surface and / or subsurface conveyance structures to evaluate their effectiveness in conveying stormwater.

1.4.2 H&H Modeling Parameters

In order to estimate the runoff generated in each modeled subbasin, the Soil Conservation Service (SCS) Unit Hydrograph method was utilized within the ICPR hydrologic computer model. The runoff hydrograph generated by this method is a function of the site-specific curve number, time of concentration, peak factor and the rainfall depth for each storm event. These variables are described in the following subsections along with discussions of other issues related to the development and execution of the hydrologic & hydraulic model. The following inputs are developed for the ICPR model:

- **Runoff Curve Numbers:** The SCS Runoff Curve Number Method was used to compute runoff volume from rainfall. Curve numbers (CN) were calculated for each subbasin by intersecting the soil type (hydrological factor) and land use data within each subbasin, using GIS. Literature-derived curve number values from Technical Release 55 (TR-55) were assigned to each of the soil type / land use combinations. An area-weighted CN was then calculated for each subbasin based on the relative percentages of the various land use and soil types within it. Please see [Table C-1](#) in [Appendix C](#) for the calculated subbasin curve numbers under existing and alternative conditions.

- **Time of Concentration:** An additional input parameter for the SCS Unit Hydrograph Method is the subbasin time of concentration. The time of concentration (T_c) represents the amount of time it takes for a particle of water to travel from the hydraulically most distant point in the drainage basin to its outlet. The T_c value is computed by summing the travel times for consecutive flow components (overland sheet flow, shallow concentrated flow and channel flow) of the subbasin conveyance system. Please refer to [Table C-2](#) in [Appendix C](#) for T_c calculations under existing and alternative conditions.
- **Peak Factor:** The SCS Unit Hydrograph Method requires a unit hydrograph peak attenuation factor to be specified. The selection of a unit hydrograph peaking factor depends on the geographical area and local conditions. The peak rate factor (K) of 323 was used over the project area based on the existing project topography. Per the FDOT Drainage Design Guide, the peak rate factor of 323 represents watershed with moderate surface storage in some locations due to depression areas, mild slopes, and / or lack of existing drainage features.
- **Rainfall Distribution:** To implement the SCS Unit Hydrograph Method, a rainfall distribution must be specified for each subbasin which characterizes rainfall as a function of time. Standard SCS or SJRWMD rainfall distributions are commonly used in this region of Florida if no local distribution has been established. A modified version of the Standard SCS rainfall distribution for Florida (FLMOD) was utilized for this project.
- **Design Storm Criteria:** The 2.33-year / 24-hour (mean annual), 10-year / 24-hour, 25-year / 24-hour, 50-year / 24-hour, and 100-year / 24-hour storm events were used to analyze existing and alternative conditions in this study. The rainfall depths used when applying the unit hydrograph procedure to model these storm events were 5.3 inches, 6.8 inches, 8.4 inches, 10.1 inches, and 11.4 inches, respectively. These rainfall amounts were taken from the previous Inwood studies and were originally obtained from similar studies (Lake Jesup Basin Study & Monroe Basin Study) in the project vicinity.
- **Boundary Conditions:** Defining boundary conditions with respect to real world conditions is critical to establishing the reliability of a model. Boundary conditions are represented as Time / Stage nodes. Two boundary conditions were utilized in the ICPR model. One of the boundary conditions, Node 06_M_0100_NT, is located at the MLPR ditch outfall to the St. Johns River. Another boundary node was added to represent Mullet Lake. Establishment of boundary elevations at these locations is discussed further in Section 2.4.4 of this report.

SECTION 2: EXISTING CONDITIONS ANALYSIS

The objectives of performing hydrologic and hydraulic (H&H) modeling are to verify flooding concerns and to analyze the existing drainage characteristics throughout the study area. The results of the existing conditions modeling were used as a basis of comparison to determine the hydrologic and hydraulic impacts of proposed improvements. The total drainage area taken into consideration for this project was approximately 4,260 acres. The H&H model from Inwood's previous study was updated based upon the 2009 DEM and other relevant data. The model was also expanded to account for areas draining into the Retreat Road system and the adjacent wetland to the north.

A typical design level of service (LOS) for local roads (like Retreat Road) is the 10-year / 24-hour storm event. For this system to meet the desired flood level of service, it must convey and contain the runoff from the 10-year / 24-hour storm event without encroaching into the travel lanes of roadways or onto adjacent private property.

2.1 PROJECT AREA DRAINAGE PROBLEMS

Residents in the vicinity of Retreat Road have complained of flooding along the road during heavy rain events. Multiple resident complaints stated that significant street flooding occurs at the intersection of MLPR and Retreat Road when it rains. Details of specific complaints that were reported to the County are outlined in the logs provided in [Appendix A](#) and provided electronically with the electronic deliverables.

2.2 PROJECT AREA CHARACTERISTICS

2.2.1 Existing Drainage Pattern and Infrastructure

Currently, stormwater runoff for the project area flows to either of two outfall locations: the MLPR ditch, and a low-lying wetland east of MLPR, and north of Retreat Road. The majority of the watershed drains to the MLPR ditch which flows north to the St. Johns River. However, east of the ditch, drainage generally flows north to the wetland at Retreat Road before discharging to Mullet Lake through a dual crossdrain underneath Blue Fish Place.

Existing infrastructure in the project focus area consists primarily of roadside ditches and crossdrains and sidedrains which hydraulically connect the ditches. The ditch profiles (specifically along Retreat Road) and sidedrains are typically not uniformly or consistently sloped. There are numerous smaller sidedrains and crossdrains within the ditches along Retreat Road which are either aging, crushed, and / or not maintained. A combination of these factors is believed to be the cause of the observed stormwater conveyance issues in the area. Please refer to [Figure 3](#) for a depiction of the existing stormwater infrastructure within the area.

2.2.2 Existing Ownership Description

Seminole County has existing right-of-way along MLPR within the project focus area. According to the project survey from SSMC, this right-of-way extends 60 feet from the approximate edge of pavement on the west side of the road to the approximate top of bank along the eastern side of the MLPR ditch. However, the County does not have either right-of-way or easements along

Retreat Road and the road is currently maintained by residents in the area. Recently, an agreement has been made with the residents to work with the County in order to construct drainage improvements to alleviate the roadway flooding.

2.2.3 Topography

The overall topography for the delineated project area ranges from an elevation of -1.6 feet near Mullet Lake, to 141 feet in the southeastern portion of the watershed. Drainage generally flows north towards the St. Johns River. Elevations are fairly flat closer to the river with several depressional wetland storage areas present in the vicinity of MLPR. [Figure 4](#) depicts a topographical map of the elevation data for the project area.

2.2.4 Soils

NRCS soils data were downloaded for use in this project. Of specific pertinence to the study is the assigned hydrological group of each soil. The hydrological group segregates soil types with respect to their ability to infiltrate rainfall. The letter classification is in order of decreasing infiltration ability from group A (high infiltration - low runoff potential) to group D (low infiltration - high runoff potential). Group D soils may also be influenced by a naturally high-water table or shallow impervious strata. Dual classifications (e.g. B/D) indicate that the soil exhibits a dual nature. The first value indicates the soil's characteristics under well-drained conditions (dry season, low water table), while the second value indicates characteristics under poorly drained conditions (wet season, high water table). Dual classification soils were treated as Type D to be conservative for modeling purposes.

Soils hydrologic groups found within the project area included types A, A/D and B/D. The predominant soils in found within the project area include Depressional Basinger / Samsula / Hontoon soils (Type A/D, 17.0%), Immokalee sand (Type B/D, 16.3%), Astatula fine sand (Type A, 12.6%), and Pomello fine sand (Type A, 11.0%). Refer to [Figure 5](#) for a depiction of the soils map within the project area.

2.2.5 Land Use

Project specific modifications were made to the 2014 SJRWMD land use layer based on review of 2018 aerial imagery and field observations. The data is classified in accordance with the FDOT's Florida Land Use, Cover and Forms Classification System (FLUCFCS). Level IV land use classification methodology was used for this project.

The MLPR ditch drainage basin is fairly rural in nature. The predominant land use types included in the project area are Rural Residential (20.2%), Low-density Residential (14.8%), Upland Mixed Coniferous / Hardwood Forests (11.8%), and Improved Pasture (10.9%). Please refer to [Figure 6](#) for a depiction of the existing land use coverage within the project area.

2.2.6 FEMA Floodplain

Most of the MLPR watershed area is designated as Zone X (i.e. outside of the FEMA floodplain limits). However, within the project focus area there are Special Hazard Flood Area (SHFA) Zone A and Zone AE floodplains. The area designated as Zone A is located to the west of Mullet Lake Park Road. The area designated as Zone AE includes the Retreat Road wetland and extends north to Mullet Lake. The delineated floodplain for the wetland extends south across Retreat Road and

has an established base flood elevation (BFE) of 9 feet. The periphery of the wetland is also designated as outside of the 100-year floodplain but is within the 500-year limits. Please Refer to [Figure 7](#) for a depiction of the FEMA Floodplain Map.

2.2.7 Subbasin Information

Subbasins from the previous 2006 Inwood study were utilized and the basins in and around the project focus area were further refined utilizing the DEM, survey, construction plans, and permit data (where available). The updated existing conditions model includes 93 subbasins, ranging in size from 0.52 acres to 742.5 acres. A higher level of detail was utilized for the subbasins delineated along Retreat Road and MLPR, specifically. This was done so that model results would be well defined and in anticipation of modeling alternative improvements. The existing conditions subbasins are shown on [Figure 8](#) and [Exhibit 1](#).

2.2.8 Environmental Issues

There are numerous wetlands within the project vicinity. Furthermore, Retreat Road is located just south of a large wetland that is hydraulically connected to Mullet Lake (and ultimately the St. Johns River). Therefore, there is some potential that wetland impacts will occur with the proposed improvement alternatives. It is recommended that a formal ecological assessment be performed as part of formal project design to establish wetland limits and assess any potential impacts to wetlands or wildlife.

2.3 MODEL CONNECTIVITY

The existing conditions ICPR model consists of the following components:

- 93 Subbasins
- 92 Nodes
- 238 Links:
 - o 24 Channels
 - o 55 Pipes
 - o 159 Weirs

For a detailed view of the existing conditions model network, please refer to [Exhibit 1](#). Existing conditions ICPR model input reports are provided in [Appendix D](#).

2.4 MODEL DEVELOPMENT

2.4.1 Runoff Curve Numbers

Composite CN values for subbasins were developed using the SCS Runoff Curve Number Method. The existing conditions CN calculations are provided in [Table C-1](#) in [Appendix C](#). Curve Numbers are also listed by subbasin in [Exhibit 1](#).

2.4.2 Time of Concentration

Subbasin time of concentration values were developed using the TR-55 Method. Existing conditions T_c calculations are provided in [Table C-2](#) in [Appendix C](#). Time of Concentrations are also listed by subbasin in [Exhibit 1](#).

2.4.3 Initial and Warning Stages

Initial stages for model nodes representing stormwater infrastructure and connections were generally set using either the invert elevation of pipes, controlling elevation of the structure, or the downstream tailwater condition. Initial stages for surface nodes (e.g. locations within a localized depression or wetland) were typically set to the lowest ground elevation or representative water surface elevation. To be conservative, stages were assigned assuming a static wet condition and the highest value was selected. Node warning stages were typically set at the elevations where runoff would overtop the top of bank or adjacent edge of pavement / roadway (whichever elevation was lower).

2.4.4 Tailwater Conditions

Tailwater conditions for the project are controlled by the St. Johns River. Gage data is not available in the immediate vicinity of Mullet Lake, therefore data from the SJRWMD gages at Lake Jesup and Lake Harney were utilized. Average monthly stream levels from 2010 through 2019 were reviewed at each gage and the highest average of those values (over the period of record) was selected. Averages of the monthly stream levels for each location ranged from -0.02 feet to 2.25 feet at Lake Jesup and -0.12 feet to 4.18 feet at Lake Harney. Note, the highest averages were observed during the month of October and were roughly 2.25 feet at Lake Jesup, and 4.18 feet at Lake Harney. Elevations for both the outfall to the St. Johns River and Mullet Lake were then estimated by interpolating between the two highest averages based upon distance from the gages at Lake Jesup and Lake Harney. The resulting stages (2.5 feet and 2.58 feet for the MLPR ditch outfall and Mullet Lake, respectively) were then assigned as boundary stages for the ICPR model.

2.5 MODEL CALIBRATION

There were no specific stage or flow data with which to calibrate the existing or alternatives conditions models created for this study. As a generic check, the model was reviewed to eliminate mass balance errors and model results graphs (nodes and links) were reviewed to make sure there were generally smooth hydrographs during peak stages in the model simulation. Additionally, model peak stage values were compared to aerial imagery and the DEM in order to check for general reasonableness. The results were also compared against anecdotal information (resident complaints, observed flooding from site visits, etc.) and available photographic documentation of flooding for additional verification.

2.6 MODEL RESULTS SUMMARY

The developed H&H model was simulated to establish peak stages and flow rates for the design storm events throughout the project area and to evaluate design conditions for the alternative improvements. The existing conditions model results showed exceedance of warning stage (i.e., flooding would occur) at some of the nodes in the model, beginning with the mean annual / 24-hour storm. Within the focus area of this study, overtopping along the eastern bank of the MLPR ditch at Retreat Road was predicted to occur during the mean annual event. This overwhelms existing drainage infrastructure and exacerbates roadway inundation along Retreat Road.

Based upon the model results, there are two main areas of flooding along Retreat Road. The first spans from approximately 90 feet east to about 550 feet east of the intersection of Retreat Road and MLPR. The second of the two (approximately 1,000 linear feet) is located from around 2,230 feet to 3,230 feet east of the intersection. Overtopping of the MLPR ditch was observed downstream of the intersection beginning with the mean annual storm event, as well. These results correspond to flooding patterns that have been described by residents and observed during past heavy rainfall events and additional flooding photos.

Under existing conditions, the maximum stage for the following nodes within the MLPR focus area exceed the warning stage during the 10-year / 24-hour storm event (desired drainage LOS):

- Model nodes 06_M_0205_NE, 06_M_0210_NE, 06_M_0220_NS, 06_M_0270_NC, 06_M_0410_NC, 06_M_0420_NC, and 06_M_0430_NE are nodes located within the MLPR ditch downstream (north) of Retreat Road.
- Nodes 06_M_0500_NS, 06_M_0510_NC, and 06_M_0520_NC are nodes located within the MLPR outfall ditch upstream of Retreat Road and north of W. Osceola Road.
- Node 06_M_4100_ND is located within a depressional wetland north of W Osceola Road approximately 5,000 feet east of MLPR.
- Node NML0000 is located in the wetland just north of Retreat Road (Retreat Road wetland).
- Nodes NML0050, NML0100, NML0110, and NML0300 are located along Retreat Road.
- Node NML0150 and Node NML0310 are located within ponds south of Retreat Road.
- Node NML0200 is located west of Blue Fish Place, and west of the Retreat Road wetland.
- Node NML0220 is located within a depressional area to the west of Pams Way.
- Node NML0400 is located east of Bandit Way and north of Retreat Road.

In general, the maximum stage exceedances noted above are relatively large (ranging from 0.01 feet to maximum of around 1.8 feet) and therefore significant flooding is apparent from the model results. The largest exceedances along MLPR ditch in the focus area are approximately 1.6 feet (Node 06_M_0205_NE) downstream of Retreat Road, and 0.6 feet upstream of Retreat Road (at Node 06_M_0500_NS), while the largest observed exceedance along Retreat Road is around 0.5 feet (at Nodes NML0050 and NML0110). This is also consistent with complaint logs and known flooding issues for the project area on Retreat Road and MLPR. Please refer to [Table 1](#) – Model Node Maximum Stage Summary, [Table 2](#) – Model Link Peak Flow Summary and [Appendix D](#) for ICPR Existing Conditions model output reports.

SECTION 3: ALTERNATIVE CONDITIONS ANALYSIS

3.1 INTRODUCTION

Based on field observations, meeting with County Staff, and the existing conditions modeling results, it is evident that there is a lack of functional drainage infrastructure to provide proper conveyance along Retreat Road away from the MLPR intersection. The goals of the alternative analysis were to evaluate improvements that would reduce the frequency and duration of flooding in the problem area to provide improved drainage LOS along Retreat Road and help to alleviate flooding within the roadway.

Three alternatives were considered as follows:

- **Alternative 1:** Alternative 1 proposes construction of an engineered outfall from the MLPR ditch to reduce overtopping of the channel bank for smaller storm events and reroute flow more efficiently. The outfall is located along the south side of Retreat Road and consists of a control structure and outlet pipes from the MLPR ditch, regrading of the ditch south of Retreat Road to provide a more positive outfall, and upsizing of the existing sidedrains and crossdrains downstream which discharge to the wetland. Regrading of the ditch along the northern side of Retreat Road is also included. Improvements for this alternative did not include property acquisition or the addition of compensating storage.
- **Alternative 2:** Alternative 2 proposes construction of two engineered outfalls from the MLPR ditch. The outfalls are located along both sides of Retreat Road and consists of control structures and outlet pipes from the ditch, regrading of the ditches along Retreat Road, installation of a dual crossdrain underneath Retreat Road approximately 320 feet east of MLPR, and upsizing of the existing sidedrains and crossdrains along Retreat Road downstream of the outfalls. Alternative 2 also proposes the purchase of two parcels to provide compensating storage for the wetland north of Retreat Road.
- **Alternative 3:** Alternative 3 proposes regrading of the ditch along the south side of Retreat Road, installation of crossdrain underneath Retreat Road approximately 320 feet east of MLPR and upsizing of the existing sidedrains and crossdrains on the south side of Retreat Road to the wetland. Alternative 3 also proposes raising of the roadway profile along the low-lying areas of Retreat Road and the purchase of a parcel on the south side of the road to provide compensating storage and additional attenuation of runoff prior to discharge to the wetland north of Retreat Road.

Please refer to [Figures 9, 10, and 11](#) for detailed maps of the conceptual improvements for alternatives 1, 2, and 3, respectively.

3.2 DESIGN CRITERIA

Each alternative was evaluated for flood protection, permitting requirements, constructability, environmental impacts, potential property acquisition, and estimated construction costs to determine the most suitable alternative. The 10-year / 24-hour storm event was targeted for the desired flood level of service for Retreat Road and the associated drainage ditches. Of particular

importance for the alternatives analysis was the permitability of the proposed improvements. Based upon discussions with SJRWMD, an increase in discharge rates for either the outfall to the St. Johns River (via the MLPR ditch, channel link 06_M_0110_LC) or to Mullet Lake (pipe link NML0000_LP1 and the overtopping weir link at Blue Fish Place, NML0000_W1) were not acceptable for the 25-year design storm event. As such, alternatives including and excluding the addition of compensating storage were evaluated to determine the effects on peak flow rates at the outfall locations.

3.3 ALTERNATIVE 1 SUMMARY

The improvements proposed for Alternative 1 involve construction of an engineered outfall to accommodate flows associated with raising the eastern MLPR ditch top of bank to minimize overtopping of the ditch at the southeast corner of the Retreat Road and MLPR intersection. The alternative also proposes regrading of the ditches along Retreat Road to promote positive outfalls, and the upsizing of existing infrastructure along the south side of Retreat Road.

Below is a specific list of proposed improvements for this alternative:

- Construction of a ditch bottom inlet control structure with a vertical weir slot and dual 30" RCP outlet pipes which discharge to the southern ditch along Retreat Road.
- Regrading of the existing ditch bottom on the south side of Retreat Road from MLPR to the upstream end of the existing crossdrains discharging to the northern wetland (approximately 2,500 feet).
- Upsizing of the sidedrains on the south side of Retreat Road to dual 30" RCPs or dual 36" RCPs, as well as upsizing of the three existing crossdrains to 30" RCPs.
- Regrading of the existing ditch (approximately 2,450 feet) and replacement of existing sidedrains on the north side of Retreat Road (with 24" RCPs) to improve conveyance to the east. Addition of a 24" RCP sidedrain on the north side of Retreat Road, approximately 1,340 feet east of MLPR.
- Raising the existing grade outside eastern top of bank of the MLPR ditch to elevation 12.3 ft NAVD88, southeast of the Retreat and MLPR intersection, and elevation 13.0 ft NAVD88 further south along the ditch. Note, this area is within private property.

Refer to [Figure 9](#) for the proposed improvements for Alternative 1.

3.3.1 Model Development

The alternative model was prepared by modifying a copy of the existing conditions model. CN and T_c calculations remained the same as existing conditions, since no changes to the subbasins were made. Initial stages were revised for the nodes along Retreat Road to reflect the added / modified sidedrains and crossdrains, as well as regrading of the roadside ditches. Please refer to [Appendix E](#) for Alternative 1 ICPR model input reports.

3.3.2 Model Connectivity

The model for Alternative 1 is similar to the existing conditions model. The changes between the two models are as follows:

- Addition of drop structure link MLPR-DS1.
- Addition of pipe link NML0510_P1.
- Modification of dimensions, materials, and inverts for pipe links NML0050_LP1, NML0100_LP1, NML0100_LP2, NML0100_LP3, NML0110_LP1, NML0520_LP1, and NML0530_LP3.
- Modification of dimensions, geometry and inverts for weir links 06_M_0500NS_W2 and 06_M_0500_NS_W3.

The Alternative 1 ICPR model consists of the following components:

- 93 Subbasins
- 92 Nodes
- 240 Links:
 - o 56 Pipes
 - o 159 Weirs
 - o 24 Channels
 - o 1 Drop Structure

3.3.3 Model Results Summary

The results for Alternative 1 generally show improvement in peak stages for the mean annual and 10-year storm events as compared to existing conditions. However, within the MLPR outfall ditch upstream of Retreat Road, there are some minimal increases (0.01 to 0.03 feet) in peak stages for the larger storm events. The stages within the ditch exceed the top of bank in many locations for both existing and alternative conditions therefore even small increases in stage along the ditch could result in offsite impacts to private property relative to existing conditions. Additionally, stages at the wetland north of Retreat Road show a slight increase (ranging from 0.07 feet for the mean annual event to 0.01 feet for the 50-year) for the modeled design storms, with the exception of the 100-year storm which was unchanged. Construction of the controlled outfall and raising of the ditch berm to an elevation of 12.3' feet results in Retreat Road meeting a 10-year LOS for the first flooding area immediately east of MLPR. However, it should be noted that overtopping of Retreat Road still occurs during the 10-year storm at the low spot approximately 2,550 feet east of MLPR.

Peak flow rates within the MLPR ditch remained similar to existing conditions, with some slight increases in flows observed in the ditch upstream of Retreat Road during the smaller storm events (specifically the 10-year storm) and slightly increased peak flow rates at Retreat Road and immediately downstream during the larger storm events. Flows at the downstream end of the MLPR outfall to the St. Johns River were unaffected. The addition of the engineered outfall succeeded in improving conveyance along Retreat Road and away from MLPR as increased flows were observed along Retreat Road for all design storm events. These flows led to increases in

peak discharge rates to the wetland to the north and ultimately to the boundary at Mullet Lake, via roadway overtopping at Blue Fish Place.

Discharge volumes were also reviewed at the boundary nodes for Mullet Lake and the St. Johns River. The proposed improvements directed more flow along Retreat Road than existing conditions. Thus, this alternative resulted in increased discharge volumes to Mullet Lake ranging from 9.2 to 11.1 ac-ft (with an average change of 10.4 ac-ft). However, discharges to the St. Johns River via the MLPR ditch also decreased by the same amount for each storm event.

The proposed conditions model results are summarized and compared with the existing conditions model results in [Table 1](#) – Model Node Maximum Stage Summary, [Table 2](#) – Model Link Peak Flow Summary and [Table 3](#) – Boundary Discharge Volume Comparison. Refer to [Appendix E](#) for the Alternative 1 ICPR model output reports.

3.3.4 Environmental Concerns

The improvements proposed with this alternative are located within the vicinity of wetlands and / or surface waters. The incidence and extent of any impacts would need to be evaluated during the design phase.

3.3.5 Floodplain Impacts

Some of the improvements for this alternative are within the 100-year floodplain but are proposed along an existing roadside ditch and no fill is being proposed within the floodplain limits. Therefore, there are no anticipated impacts to FEMA floodplains from this proposed alternative.

3.3.6 Permitting Considerations

A pre-application meeting was held on December 20, 2019 with SJRWMD and County staff to discuss permitting for the proposed alternative improvements. Permitting considerations for both the proximity to wetlands and the model results were reviewed. Discussion of the model results generally centered on stages within the Retreat Road wetland and adjacent private property, and discharge rates to both the St. Johns River (via the MLPR ditch) and Mullet Lake, which is hydraulically connected to the St. Johns. In regard to the model results, the 25-year / 24-hour design storm is considered the regulatory storm event. Therefore, peak flow rates to the St. Johns and Mullet Lake must not show increases for the 25-year event. However, any stage increases within private property for the design storms would have to be approved by the impacted residents. It was also stated that discharge volumes are not presumptive criteria for permitting. Meeting minutes are provided in [Appendix F](#).

Based upon the criteria discussed at the pre-application meeting, it is believed that Alternative 1 will be very difficult to permit due to the increase in peak flow rates at Mullet Lake and the increase in peak stages within the wetland north of Retreat Road.

3.3.7 Real Estate

This improvement requires construction of an outfall structure within the MLPR ditch at the southeast corner of the Retreat Road and MLPR intersection, as well as pipes connecting the structure to the Retreat Road Ditch. Additionally, earthwork is required to raise the berm outside of the eastern top of bank of the ditch. Construction limits for these improvements are outside existing County right-of-way and will impact private property. Therefore, acquisition of either

right-of-way or an easement (temporary or permanent) in this area is proposed. It is also acknowledged that the construction area along Retreat Road, as well as access to the construction area, are outside of County right-of-way and easements but occur within the access easement for the properties along Retreat Road. Improvements for this alternative are based upon the understanding that residents along Retreat Road will be cooperating with the County during construction of the design.

3.3.8 Constructability

Construction of this alternative would be complex due to the lack of a County easement or available right-of-way along Retreat Road and the size of the existing ditch along the south side of the road. There is an apparent 60-foot wide, private right-of-way which roughly follows the roadway centerline. Additionally, since Retreat Road is a dirt road, the width of the roadway varies along the length of the improvements and side slopes on the northern side of the ditch vary as a result. Preliminary measurements and survey indicate that installation of dual 30" and 36" sidedrains and corresponding mitered end sections within the existing ditch limits may prove difficult at some of the driveway locations. Installation of an equivalent box culvert, arch pipe, or modified end treatment may be considered as alternative options for those specific locations and would need to be verified during the design phase of the project.

Road closures and detours would be necessary during construction of this alternative due to the narrow width of Retreat Road and residential traffic concerns. Pollution prevention and erosion control measures would also be required to prevent sediment caused during construction from traveling downstream and potentially impacting wetland and / or surface waters. It should be noted that some existing utilities (an overhead electric line along Retreat Road and various potable water connections) were identified in SSMC's survey which may affect construction. Utility coordination is needed during the design phase of the project to verify that no utility conflicts are present.

3.3.9 Maintenance Requirements

This alternative would require normal periodic maintenance associated with maintaining ditches, sidedrains and crossdrains.

3.3.10 Engineer's Estimate of Construction Costs

The estimated cost of construction for the alternative improvements is approximately **\$541,820**. This amount does not include the cost associated with addressing possible utility conflicts / adjustments and does not include costs for acquisition of any temporary construction easements or permanent easements. Refer to [Figure 9](#) for a tabulation of the estimated project construction costs.

3.4 ALTERNATIVE 2 SUMMARY

The improvements proposed for Alternative 2 involve construction of two (2) engineered outfalls, similar to Alternative 1, to accommodate flows associated with raising the eastern MLPR ditch top of bank to minimize overtopping of the ditch at the southeast corner of the Retreat Road and MLPR intersection. This alternative also proposes regrading of the ditches and the upsizing of existing infrastructure along Retreat Road to improve stormwater conveyance. Compensating

storage for the wetland to the north of Retreat Road is also proposed for this alternative to mitigate any impacts to stages in the wetland and attenuate flows to Mullet Lake.

Below is a specific list of proposed improvements for this alternative:

- Construction of a ditch bottom inlet control structure with a vertical weir slot and dual 30" RCP outlet pipes which discharge to the southern ditch along Retreat Road.
- Regrading of the existing ditch bottom on the south side of Retreat Road from MLPR to the upstream end of the existing crossdrains discharging to the northern wetland (approximately 2,500 feet).
- Upsizing of the sidedrains on the south side of Retreat Road to dual 30" RCPs or dual 36" RCPs, as well as upsizing of the three existing crossdrains to 30" RCPs.
- Construction of a ditch bottom inlet control structure with a vertical weir slot and single 24" RCP outlet pipe which discharges to the northern ditch along Retreat Road.
- Regrading of the existing ditch (approximately 2,450 feet) and replacement of existing sidedrains (with 36" RCPs) on the north side of Retreat Road to improve conveyance to the east. Addition of a 36" RCP sidedrain on the north side of Retreat Road, approximately 1,340 feet east of MLPR.
- Construction of dual 24" crossdrain underneath Retreat Road approximately 320 feet east of MLPR.
- Raising the existing grade outside eastern top of bank of the MLPR ditch to elevation 12.3 ft NAVD88, southeast of the Retreat and MLPR intersection, and elevation 13.0 ft NAVD88 further south along the ditch. Note, this area is within private property.
- Excavation of compensating storage (approximately 6.3 acres) at two parcels along the southeastern edge of the wetland, north of Retreat Road. The proposed parcels (Parcel ID's 05-20-32-302-0150-0000 and 05-20-32-302-0140-0000) are currently identified as vacant. The proposed contours would tie into the existing wetland boundary and provide an overflow for the wetland during rainfall events. An estimated 9.5 acre-feet of additional storage volume would be provided for the mean annual storm (elevation ~5.3 feet), while an additional estimated volume of 24.5 acre-feet would be provided at the top of bank at elevation 9.8 feet. Planting of wetland vegetation within the compensating storage area could also be incorporated into this alternative if recommended by an environmental assessment, or as required for permitting purposes.

Refer to [Figure 10](#) for the proposed improvements for Alternative 2.

3.4.1 Model Development

The alternative model was prepared by modifying a copy of the existing conditions model. CN and T_c calculations remained the same as existing conditions, since no changes to the subbasins were made. Initial stages were revised for the nodes along Retreat Road to reflect the added / modified sidedrains and crossdrains, as well as regrading of the roadside ditches. Stage / area values were modified for model node NML0000 (Retreat Road wetland) to reflect the added

compensating storage from the proposed parcel acquisition and excavation. Please refer to [Appendix E](#) for Alternative 2 ICPR model input reports.

3.4.2 Model Connectivity

The model for Alternative 2 is similar to the existing conditions model. The changes between the two models are as follows:

- Addition of drop structure links MLPR-DS1 and MLPR-DS2.
- Addition of pipe links NML0050_LP2 and NML0510_P1.
- Modification of dimensions, materials, and inverts for pipe links NML0050_LP1, NML0100_LP1, NML0100_LP2, NML0100_LP3, NML0110_LP1, NML0520_LP1, and NML0530_LP3.
- Modification of dimensions, geometry and inverts for weir links 06_M_0500NS_W2 and 06_M_0500_NS_W3.

The Alternative 2 ICPR model consists of the following components:

- 93 Subbasins
- 92 Nodes
- 242 Links:
 - o 57 Pipes
 - o 159 Weirs
 - o 24 Channels
 - o 2 Drop Structures

3.4.3 Model Results Summary

The peak stage results for Alternative 2 show significant improvements as compared to existing conditions within the project focus area and in the vicinity of Retreat Road. Furthermore, the results generally show a slight improvement or no impacts to peak stages throughout the watershed (including within the ditch along MLPR). Peak stages along Retreat Road are reduced during all modeled storm events as compared to existing conditions and provide a 10-year flood LOS within the depressional areas located immediately east of MLPR. However, similar to Alternative 1, the road still overtops during the 10-year storm at the low spot further east, just south of the wetland. The addition of compensating storage to the wetland results in a slight reduction (approximately 0.01 feet) in peak stages during all storm events when compared to the existing conditions stage results.

Peak flow rates for Alternative 2 remained comparable to existing conditions for the majority of the watershed. For the MLPR ditch, some increases in peak flow rates at and immediately upstream of Retreat Road were observed (particularly for the 10-year and 25-year events). However, these increases were not significant further upstream and flows within the ditch downstream of the Retreat Road crossdrain were reduced for all storm events. Peak flows at the downstream end of the MLPR outfall to the St. Johns River also showed marginal decreases. Inclusion of the engineered outfalls succeeded in improving conveyance along Retreat Road and away from MLPR as increased flows were observed along Retreat Road for all design storm

events. These flows led to increases in peak discharge rates to the wetland north of Retreat Road, however, the addition of compensating storage adjacent to the wetland served to attenuate these flows and the boundary at Mullet Lake was largely unaffected. Only marginal impacts (an approximately 1.3% increase) to peak flows were observed at the boundary for the 25-year storm event; peak flow rates for all other design storms show reductions.

Discharge volumes were also reviewed at the boundary nodes for Mullet Lake and the St. Johns River. The proposed improvements directed more flow along Retreat Road than existing conditions. Thus, this alternative resulted in increased discharge volumes to Mullet Lake ranging from 15.1 to 21.0 ac-ft (with an average change of 19.0 ac-ft). However, discharges to the St. Johns River via the MLPR ditch also decreased by the same amount for each storm event.

The proposed conditions model results are summarized and compared with the existing conditions model results in [Table 1](#) – Model Node Maximum Stage Summary, [Table 2](#) – Model Link Peak Flow Summary and [Table 3](#) – Boundary Discharge Volume Comparison. Refer to [Appendix E](#) for the Alternative 2 ICPR model output reports.

3.4.4 Environmental Concerns

The proposed compensating storage footprint was created to tie into the approximate wetland edge. As such, there may be temporary impacts during construction. In order to verify wetland limits and communities which may be affected, it is recommended that an environmental assessment be conducted prior to acquisition of the subject parcels. The incidence and extent of any impacts would need to be evaluated during the design phase.

3.4.5 Floodplain Impacts

Some of the improvements for this alternative are within the 100-year floodplain; however, they are primarily proposed along an existing roadside ditch and no fill is being proposed within the floodplain limits. Furthermore, as compensating storage is being provided as part of the improvements and peak stages are not increased by the improvements. Thus, no adverse impacts to FEMA floodplains are anticipated from this proposed alternative.

3.4.6 Permitting Considerations

A pre-application meeting was held on December 20, 2019 with SJRWMD and County staff to discuss permitting for the proposed alternative improvements. Meeting minutes are provided in [Appendix F](#). The proposed improvements are not believed to have any adverse impacts on the FEMA floodplain, reduce peak flow rates to both the St. Johns River and Mullet Lake, and do not have any adverse impacts to private property at the Retreat Road wetland. Therefore, based upon the criteria discussed at the SJRWMD pre-application meeting and the nature of the improvements adjacent to the existing wetland (i.e., excavation of compensating storage), it is believed that this alternative will require an Individual ERP. It is recommended that further coordination with SJRWMD be conducted during the design phase and following an environmental assessment of the wetland.

3.4.7 Real Estate

This improvement requires construction of an outfall structure within the MLPR ditch at the southeast corner of the Retreat Road and MLPR intersection as well as pipes connecting the

structure to the Retreat Road Ditch. Additionally, earthwork is required to raise the berm outside of the eastern top of bank of the ditch. Construction limits for these improvements are outside existing County right-of-way and will impact private property. Therefore, acquisition of either right-of-way or an easement in this area is proposed. It is also acknowledged that the construction area along Retreat Road, as well as access to the construction area, are outside of County right-of-way and easements but occur within the access easement for the properties along Retreat Road. Improvements for this alternative are based upon the understanding that residents along Retreat Road will be cooperating with the County during construction of the design. In order to construct the Alternative 2 proposed improvements, the County would need to acquire two vacant parcels (Parcel ID's 05-20-32-302-0150-0000 and 05-20-32-302-0140-0000) north of Retreat Road for compensating storage.

3.4.8 Constructability

Construction of this alternative would be complex due to the lack of a County easement or available right-of-way along Retreat Road and the size of the existing ditch along the south side of the road. There is an apparent 60-foot wide, private right-of-way which roughly follows the roadway centerline. Additionally, since Retreat Road is a dirt road, the width of the roadway varies along the length of the improvements and side slopes on the northern side of the ditch vary as a result. Preliminary measurements and survey indicate that installation of dual 30" and 36" sidedrains and corresponding mitered end sections within the existing ditch limits may prove difficult at some of the driveway locations. Installation of an equivalent box culvert, arch pipe, or modified end treatment may be considered as alternative options for those specific locations and would need to be verified during the design phase of the project.

Compensating storage adjacent to the wetland which is located north of Retreat Road is proposed for this alternative. The bottom of the storage area is proposed to tie into the approximate limits of the wetland in order to provide an overflow for the wetland during significant rainfall events. As such, excavation of the proposed parcels requires a significant amount of earthwork and potentially dewatering. Therefore, it is recommended that a geotechnical assessment be performed to evaluate the soil characteristics, groundwater levels, seasonal high elevations, etc. within the parcels prior to acquisition by the County.

Road closures and detours would be necessary during construction of this alternative due to the narrow width of Retreat Road and residential traffic concerns. Pollution prevention and erosion control measures would also be required to prevent sediment caused during construction from traveling downstream and potentially impacting wetland and / or surface waters. It should be noted that some existing utilities (an overhead electric line along Retreat Road and various potable water connections) were identified in SSMC's survey which may affect construction. Utility coordination is needed during the design phase of the project to verify that no utility conflicts are present.

3.4.9 Maintenance Requirements

This alternative would require normal periodic maintenance associated with maintaining ditches, sidedrains and crossdrains. Maintenance requirements for the compensating storage area may vary depending on whether it is maintained as an open space or allowed to revegetate with wetland plants.

3.4.10 Engineer's Estimate of Construction Costs

The estimated cost of construction for the alternative improvements is approximately **\$1,728,100**. For purposes of estimation, the costs for property acquisition were calculated as 1.5 times the Just Market Values of the parcels as specified by the Seminole County Property Appraiser. The estimated total cost does not include the costs associated with addressing possible utility conflicts / adjustments and does not include costs for acquisition of any temporary construction easements or permanent easements. Refer to [Figure 10](#) for a tabulation of the estimated project construction costs.

3.5 ALTERNATIVE 3 SUMMARY

The improvements proposed for Alternative 3 involve regrading of the ditch and the upsizing of associated stormwater infrastructure along the south side of Retreat Road. This alternative also proposes raising the roadway profile in the low-lying areas of Retreat Road which are most prone to flooding. Compensating storage for the ditch along the south side of Retreat Road is also included for this alternative to attenuate any increases to stages and / or flows upstream of the wetland located to the north of Retreat Road and ultimately to Mullet Lake.

Below is a specific list of proposed improvements for this alternative:

- Regrading of the existing ditch bottom on the south side of Retreat Road from MLPR to the upstream end of the existing crossdrains discharging to the northern wetland (approximately 2,500 feet).
- Upsizing of the sidedrains along the ditch south of Retreat Road to 24"x38" ERCP or 36" RCP, as well as upsizing of the three existing crossdrains to 24"x38" RCPs.
- Construction of a 24" RCP crossdrain underneath Retreat Road, approximately 320 feet east of the intersection with MLPR.
- Raising of the roadway profile grade line (PGL) for the low spots in the road immediately east of the MLPR intersection (model nodes NML0050 and NML0110) and further east, south of the crossdrains which drain to the wetland (model node NML0100). The extents of proposed roadway improvements are shown in the proposed improvement figures for Alternative 3.
- Excavation of compensating storage (approximately 4.4 acres) at a parcel south of Retreat Road approximately 2500 feet east of MLPR. The proposed parcel (Parcel ID 05-20-32-302-0030-0000) is currently listed for sale. The proposed contours would tie into the existing ditch top of bank on the south side and provide an overflow during rainfall events. An estimated 0.1 acre-feet of additional storage volume would be provided for the mean annual storm (elevation ~5.25 feet), while an additional estimated volume of 14.5 acre-feet would be provided at the top of bank at elevation 9.75 feet.

Refer to [Figures 11A and 11B](#) for the proposed improvements for Alternative 3.

3.5.1 Model Development

The alternative model was prepared by modifying a copy of the existing conditions model. CN and Tc calculations remained the same as existing conditions, since no changes to the subbasins

were made. Initial stages were revised for the nodes along the south side of Retreat Road to reflect the modified sidedrains and crossdrains, as well as associated regrading of the roadside ditch. Stage / area values were modified for model node NML0100 (parcel south of Retreat Road) to reflect the added compensating storage from the proposed parcel acquisition and excavation. The weir links representing the overtopping of Retreat Road and their corresponding cross sections were also modified to reflect raising the PGL of the road, where applicable. Please refer to [Appendix E](#) for Alternative 3 ICPR model input reports.

3.5.2 Model Connectivity

The model for Alternative 3 is similar to the existing conditions model. The changes between the two models are as follows:

- Addition of pipe link NML0050_LP2.
- Modification of dimensions, materials, and inverts for NML0100_LP1, NML0100_LP2, NML0100_LP3, NML0110_LP1, and NML0530_LP3.
- Modification of weir cross sections and corresponding inverts for weir links NML0100_W1, NML0110_W3, and NML0110_W4.

The Alternative 3 ICPR model consists of the following components:

- 93 Subbasins
- 92 Nodes
- 239 Links:
 - o 56 Pipes
 - o 159 Weirs
 - o 24 Channels

3.5.3 Model Results Summary

The peak stage results for Alternative 3 show significant improvements when compared to existing conditions within the project focus area and in the vicinity of Retreat Road. Furthermore, the results generally show a slight improvement or no impacts to peak stages throughout the watershed (including within the ditch along MLPR). Peak stages along Retreat Road are reduced during all modeled storm events and provide a 10-year flood LOS along the length of Retreat Road from MLPR to Bandit Way. Inclusion of compensating storage for the parcel located to the south of Retreat Road (as represented by model node NML0100) provided a reduction in peak stages during all storm events when compared to the existing conditions stage results. It should be noted that overtopping of the MLPR ditch bank at the southeastern corner of the MLPR and Retreat Road intersection is still present, however, it is reduced for the larger storms (beginning with the 25-year). Furthermore, inundation of the road does not occur until the 25-year storm due to the raised roadway profile.

Peak flow rates for Alternative 3 remained comparable to existing conditions for the majority of the watershed. For the MLPR ditch, some increases in peak flow rates at and immediately upstream of Retreat Road were observed for the 25-year, 50-year, and 100-year events; however, peak flows downstream of the Retreat Road crossdrain were either unaffected or slightly reduced for these events. Furthermore, peak flows at the downstream end of the MLPR outfall to the St.

Johns River were unaffected for all storms. The addition of crossdrain under Retreat Road and regrading of the ditch along the south side resulted in decreased flows along the northern side and increased flows along the southern side. However, incorporating compensating storage adjacent to the southern ditch served to attenuate the increased flows. Only marginal impacts (an approximately 0.3% increase) to peak flows were observed at the boundary for the 25-year storm event; peak flow rates for all other design storms show reductions. Discharge volumes for both the outfall to the St. Johns River and at Mullet Lake remained unchanged from existing conditions.

The proposed conditions model results are summarized and compared with the existing conditions model results in [Table 1 – Model Node Maximum Stage Summary](#), [Table 2 – Model Link Peak Flow Summary](#) and [Table 3 – Boundary Discharge Volume Comparison](#). Refer to [Appendix E](#) for the Alternative 2 ICPR model output reports.

3.5.4 Environmental Concerns

It is not anticipated that the improvements in this alternative will have any adverse impacts to wetlands or associated communities. However, the improvements proposed with this alternative are located within the vicinity of wetland and / or surface waters. Therefore, it is recommended that an environmental assessment be conducted prior to acquisition of the subject parcels. The incidence and extent of any impacts would need to be evaluated during the design phase.

3.5.5 Floodplain Impacts

Some of the improvements (primarily the Retreat Road PGL modifications) for this alternative are within the 100-year floodplain and include the addition of fill in order to raise the roadway. However, no additional runoff is being generated as part of the improvements, compensating storage is being added to offset any fill and attenuate flows, and the peak stages resulting from the proposed improvements do not increase as compared to existing conditions. Therefore, it is believed that there are no adverse impacts to FEMA floodplains from the proposed alternative.

3.5.6 Permitting Considerations

A pre-application meeting was held on December 20, 2019 with SJRWMD and County staff to discuss permitting for the proposed alternative improvements. Meeting minutes are provided in [Appendix F](#). The proposed improvements are not believed to have any adverse impacts on the FEMA floodplain, reduce peak flow rates to both the St. Johns River and Mullet Lake, and do not have any adverse impacts to private property at the Retreat Road wetland. Therefore, based upon the criteria discussed at the SJRWMD pre-application meeting and the proximity of work to wetlands and / or surface waters, it is believed that this alternative will require an Individual ERP. It is recommended that further coordination with SJRWMD be conducted during the design phase and following an environmental assessment of the wetland.

3.5.7 Real Estate

It is acknowledged that the construction area along Retreat Road, as well as access to the construction area, are outside of County right-of-way and easements but occur within the access easement for the properties along Retreat Road. Improvements for this alternative are based upon the understanding that residents along Retreat Road will be cooperating with the County during construction of the design. In order to construct the Alternative 3 proposed improvements,

the County would need to acquire one parcel south of Retreat Road for compensating storage. The parcel utilized in this alternative concept (Parcel ID 05-20-32-302-0030-0000) is currently listed for sale.

3.5.8 Constructability

Compensating storage adjacent to the ditch along the south side of Retreat Road is proposed for this alternative. The bottom of the storage area is proposed to tie into the approximate top of bank of the existing ditch in order to provide an overflow for significant rainfall events. As such, excavation of the proposed parcel requires a significant amount of earthwork and potentially dewatering. Therefore, it is recommended that a geotechnical assessment be performed to evaluate the soil characteristics, groundwater levels, seasonal high elevations, etc. within the parcel prior to acquisition by the County.

Road closures and detours would be necessary during construction of this alternative due to the narrow width of Retreat Road and residential traffic concerns. Pollution prevention and erosion control measures would also be required to prevent sediment caused during construction from traveling downstream and potentially impacting wetland and / or surface waters. It should be noted that some existing utilities (an overhead electric line along Retreat Road and various potable water connections) were identified in SSMC's survey which may affect construction. Utility coordination is needed during the design phase of the project to verify that no utility conflicts are present.

3.5.9 Maintenance Requirements

This alternative would require normal periodic maintenance associated with maintaining ditches and ponds, sidedrains and crossdrains. Maintenance requirements for the compensating storage area may vary depending on whether it is maintained as an open space or allowed to revegetate with wetland plants.

3.5.10 Engineer's Estimate of Construction Costs

The estimated cost of construction for the alternative improvements is approximately **\$1,400,020**. For purposes of estimation, the costs for property acquisition were calculated as 1.5 times the Just Market Values of the parcels as specified by the Seminole County Property Appraiser. The estimated total cost does not include the costs associated with addressing possible utility conflicts / adjustments and does not include costs for acquisition of any temporary construction easements or permanent easements. Refer to [Figure 11](#) for a tabulation of the estimated project construction costs.

SECTION 4: SUMMARY AND RECOMMENDATIONS

The existing conditions model results confirmed overtopping along the eastern top of bank of the MLPR ditch at Retreat Road beginning with the mean annual storm event which in turn overwhelms existing drainage infrastructure and exacerbates roadway inundation along Retreat Road. Based upon the model results, there are two main areas of nuisance flooding along Retreat Road. The first spans from approximately 90 feet east of the intersection to about 550 feet east of MLPR. The second and lower of the two spans approximately 1,000 linear feet and is located from around 2,230 feet east of the intersection to around 3,230 feet east. Overtopping of the MLPR ditch was observed downstream of the intersection beginning with the mean annual storm event, as well. These results correspond to flooding patterns that have been described by residents and observed during past heavy rainfall events.

Three alternatives were formulated and evaluated to address these problems and provide a desired 10-year LOS for drainage along Retreat Road. These alternatives vary in cost, property acquisition requirements, and anticipated difficulty of construction. A short summary of each alternative and the anticipated results are discussed below.

- **Alternative 1** proposes construction of an engineered outfall from the MLPR ditch to reduce overtopping of the channel bank for smaller storm events and re-reroute flow more efficiently. The outfall is located along the south side of Retreat Road and consists of a control structure and outlet pipes from the MLPR ditch, regrading of the ditch south of Retreat Road to provide a more positive outfall, and upsizing of the existing sidedrains and crossdrains downstream which discharge to the wetland. Regrading of the ditch along the northern side of Retreat Road is also included. Improvements for this alternative did not include property acquisition or the addition of compensating storage. This alternative generally provides relief of flooding within the Retreat Road / MLPR area for the modeled storm events. However, the increases in stage downstream of Retreat Road within the MLPR ditch were observed under the larger storm events and stage increases at the Retreat Road wetland were observed for all storm events. The estimated cost of constructing Alternative 1 is approximately **\$541,820**. The proposed improvements at the Retreat Road and MLPR intersection are located outside of County property, so easement or right-of-way acquisition will be required. Road closure of Retreat Road during construction would also be necessary. Furthermore, due to the increases in stage within the MLPR ditch and Retreat Road wetland, as well as the increases in flow at the Mullet Lake boundary, it is believed that this option will not be permissible.
- **Alternative 2** includes construction of two engineered outfalls from the MLPR ditch. The outfalls are located along both sides of Retreat Road and consists of control structures and outlet pipes from the ditch, regrading of the ditches along Retreat Road, installation of a dual crossdrain underneath Retreat Road approximately 320 feet east of MLPR, and upsizing of the existing sidedrains and crossdrains along Retreat Road downstream of the outfalls. Alternative 2 also proposes the purchase of two parcels to provide compensating storage for the wetland north of Retreat Road. This alternative provides additional relief from flooding to the project focus area when compared to Alternative 1 during all modeled storm events. The addition of compensating storage provides attenuation for the Retreat

Road wetland to attenuate the increased flows in the ditches along the road. The stages within the wetland show slight reductions in peaks as a result. Furthermore, peak stages along the MLPR ditch also show no adverse impacts. Additionally, peak stages at the first low spot in Retreat Road meet the desired 10-year drainage LOS, though there is overtopping in the low spot further east for the storm event. The estimated cost of constructing Alternative 2 is approximately **\$1,728,100** and include the cost of property acquisition for the compensating storage area. However, the proposed improvements at the Retreat Road and MLPR intersection are located outside of County property, so easement or right-of-way acquisition will be required. Additionally, construction of the proposed compensating storage improvements adjacent to the wetland may present further complications. Road closure of Retreat Road during construction would also be necessary for this alternative.

- **Alternative 3** involves regrading of the ditch and the upsizing of associated stormwater infrastructure along the south side of Retreat Road. This alternative also proposes raising the roadway profile in the low-lying areas of Retreat Road which are most prone to flooding. Compensating storage for the ditch along the south side of Retreat Road is also included for this alternative to attenuate any increases to stages and / or flows upstream of the wetland located to the north of Retreat Road and ultimately to Mullet Lake. This alternative provides significant relief from flooding to the project focus area when compared to existing conditions during all modeled storm events. The addition of the compensating storage provides the required attenuation to offset the increased flows in the south ditch along the road, and stages within the wetland show slight reductions in peaks. Furthermore, peak stages along the MLPR ditch also show no adverse impacts. Raising the roadway profile also helps to provide the desired 10-year LOS for the length of Retreat Road. The estimated cost of constructing Alternative 3 is approximately **\$1,400,020** and include the cost of property acquisition for the compensating storage area. However, the proposed improvements at the Retreat Road and MLPR intersection are located outside of County property, so easement or right-of-way acquisition may be required. Road closure of Retreat Road during construction would also be necessary for this alternative.

While each of the evaluated alternatives show marked improvements when compared to existing conditions, only two of the three (Alternatives 2 and 3) are believed to be permissible. Based upon the foregoing, **Alternative 3 is the recommended improvement**. Alternative 3 provides improved stormwater runoff conveyance and attenuation within the project area and also meets the desired 10-year flooding LOS for Retreat Road. This alternative also provides the largest benefit when compared to overall cost, is expected to be permissible, would be the least disruptive to private property, and does not include proposed improvements and / or earthwork immediately adjacent to the wetland at Retreat Road.

SECTION 5: PROJECT STATUS UPDATE AND CLOSE-OUT

Subsequent to the draft report submittal (December 2019), a public information meeting was held on January 23, 2020 at the Community Church of God (695 Cochran Road, Geneva, FL 32732). The project background, historical flooding, existing conditions analysis, conceptual alternatives, permitting requirements, and easement and property concerns were presented and discussed. Members of Inwood and County staff, in addition to Commissioner Jay Zembower were in attendance and fielded community questions and concerns. Minutes were prepared for the community meeting and are included in [Appendix G](#).

The County had previously sent mailouts (dated January 10, 2020) to gauge resident interest in the future acquisition of a temporary construction easement within the historical, unrecorded 60-foot easement along Retreat Road. It was explained that these mailouts are for documentation only and do not represent a legally binding document of approval for the easement acquisition. As explained during the Community Public Meeting, the County must receive notifications from all impacted residents along Retreat Road in order to acquire the required temporary construction easement for the project. Notifications were due to be received by the County by January 31, 2020. Some of the residents along Retreat Road also hand-delivered mailouts to other residents whom the County had not been able to reach. Contact information for the County was provided to the residents for correspondence. As of this report submittal, the County is still waiting on responses from 4 of the 29 residents along Retreat Road.

Currently, the County wishes to proceed with the design of either Alternative 2 or 3, pending the resolution of some contingencies. Acquisition efforts have been initiated for the parcels identified in the Alternative 2 and 3 improvements. However, the parcel originally identified for Alternative 3 is currently under foreclosure and will likely result in extended delays in the acquisition process. Additionally, attempts are still being made to contact the remaining 4 parcels for the required temporary construction easement along Retreat Road. The County has also reached out to FEMA and requested a 6-month time extension to accommodate the design efforts.

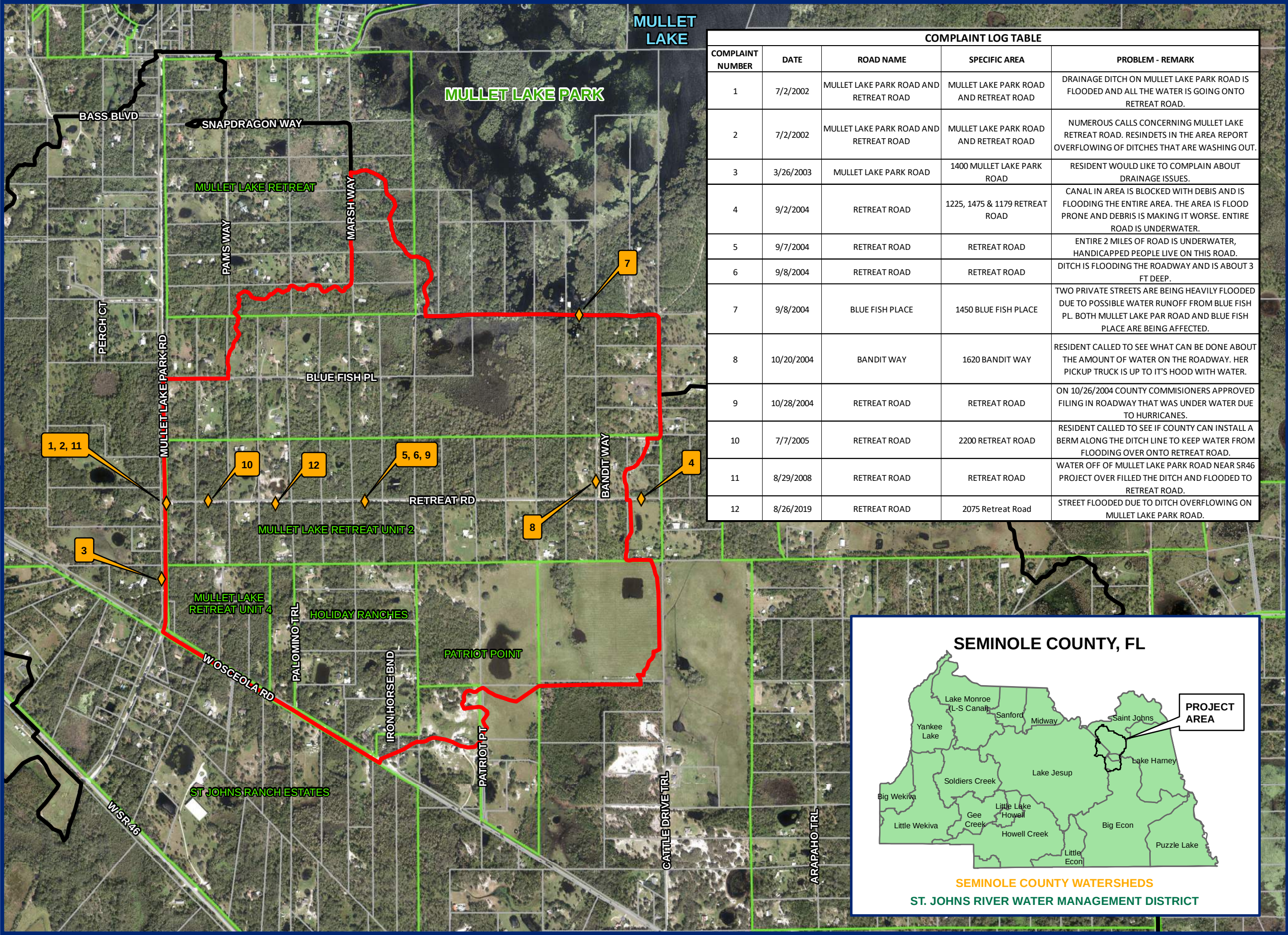
SECTION 6: REFERENCES

FDOT – Drainage Design Guide. Florida Department of Transportation. January 2019.

Soil Classification / NRCS Soils. Natural Resources Conservation Service, United States Department of Agriculture. April 2019.

Urban Hydrology for Small Watersheds (TR55). Engineering Division, Natural Resources Conservation Service, U.S. Department of Agriculture. June 1986.

FIGURES

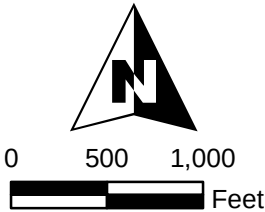


COMPLAINT LOG TABLE				
COMPLAINT NUMBER	DATE	ROAD NAME	SPECIFIC AREA	PROBLEM - REMARK
1	7/2/2002	MULLET LAKE PARK ROAD AND RETREAT ROAD	MULLET LAKE PARK ROAD AND RETREAT ROAD	DRAINAGE DITCH ON MULLET LAKE PARK ROAD IS FLOODED AND ALL THE WATER IS GOING ONTO RETREAT ROAD.
2	7/2/2002	MULLET LAKE PARK ROAD AND RETREAT ROAD	MULLET LAKE PARK ROAD AND RETREAT ROAD	NUMEROUS CALLS CONCERNING MULLET LAKE RETREAT ROAD. RESINETS IN THE AREA REPORT OVERFLOWING OF DITCHES THAT ARE WASHING OUT.
3	3/26/2003	MULLET LAKE PARK ROAD	1400 MULLET LAKE PARK ROAD	RESIDENT WOULD LIKE TO COMPLAIN ABOUT DRAINAGE ISSUES.
4	9/2/2004	RETREAT ROAD	1225, 1475 & 1179 RETREAT ROAD	CANAL IN AREA IS BLOCKED WITH DEBIS AND IS FLOODING THE ENTIRE AREA. THE AREA IS FLOOD PRONE AND DEBRIS IS MAKING IT WORSE. ENTIRE ROAD IS UNDERWATER.
5	9/7/2004	RETREAT ROAD	RETREAT ROAD	ENTIRE 2 MILES OF ROAD IS UNDERWATER, HANDICAPPED PEOPLE LIVE ON THIS ROAD.
6	9/8/2004	RETREAT ROAD	RETREAT ROAD	DITCH IS FLOODING THE ROADWAY AND IS ABOUT 3 FT DEEP.
7	9/8/2004	BLUE FISH PLACE	1450 BLUE FISH PLACE	TWO PRIVATE STREETS ARE BEING HEAVILY FLOODED DUE TO POSSIBLE WATER RUNOFF FROM BLUE FISH PL. BOTH MULLET LAKE PAR ROAD AND BLUE FISH PLACE ARE BEING AFFECTED.
8	10/20/2004	BANDIT WAY	1620 BANDIT WAY	RESIDENT CALLED TO SEE WHAT CAN BE DONE ABOUT THE AMOUNT OF WATER ON THE ROADWAY. HER PICKUP TRUCK IS UP TO IT'S HOOD WITH WATER.
9	10/28/2004	RETREAT ROAD	RETREAT ROAD	ON 10/26/2004 COUNTY COMMISIONERS APPROVED FILING IN ROADWAY THAT WAS UNDER WATER DUE TO HURRICANES.
10	7/7/2005	RETREAT ROAD	2200 RETREAT ROAD	RESIDENT CALLED TO SEE IF COUNTY CAN INSTALL A BERM ALONG THE DITCH LINE TO KEEP WATER FROM FLOODING OVER ONTO RETREAT ROAD.
11	8/29/2008	RETREAT ROAD	RETREAT ROAD	WATER OFF OF MULLET LAKE PARK ROAD NEAR SR46 PROJECT OVER FILLED THE DITCH AND FLOODED TO RETREAT ROAD.
12	8/26/2019	RETREAT ROAD	2075 Retreat Road	STREET FLOODED DUE TO DITCH OVERFLOWING ON MULLET LAKE PARK ROAD.



LEGEND

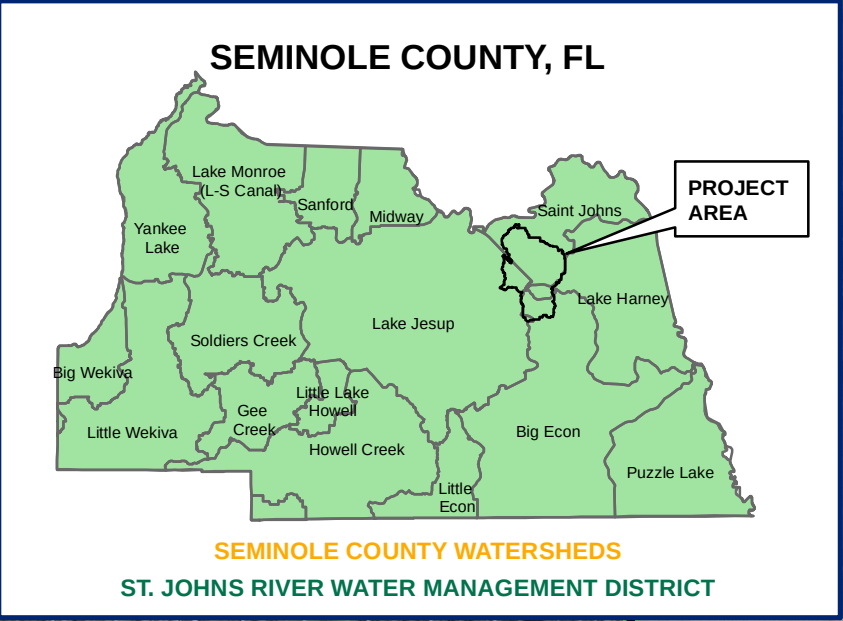
- FOCUS AREA
- MLPR WATERSHED BOUNDARY
- PARCELS
- SUBDIVISIONS
- COMPLAINT LOGS

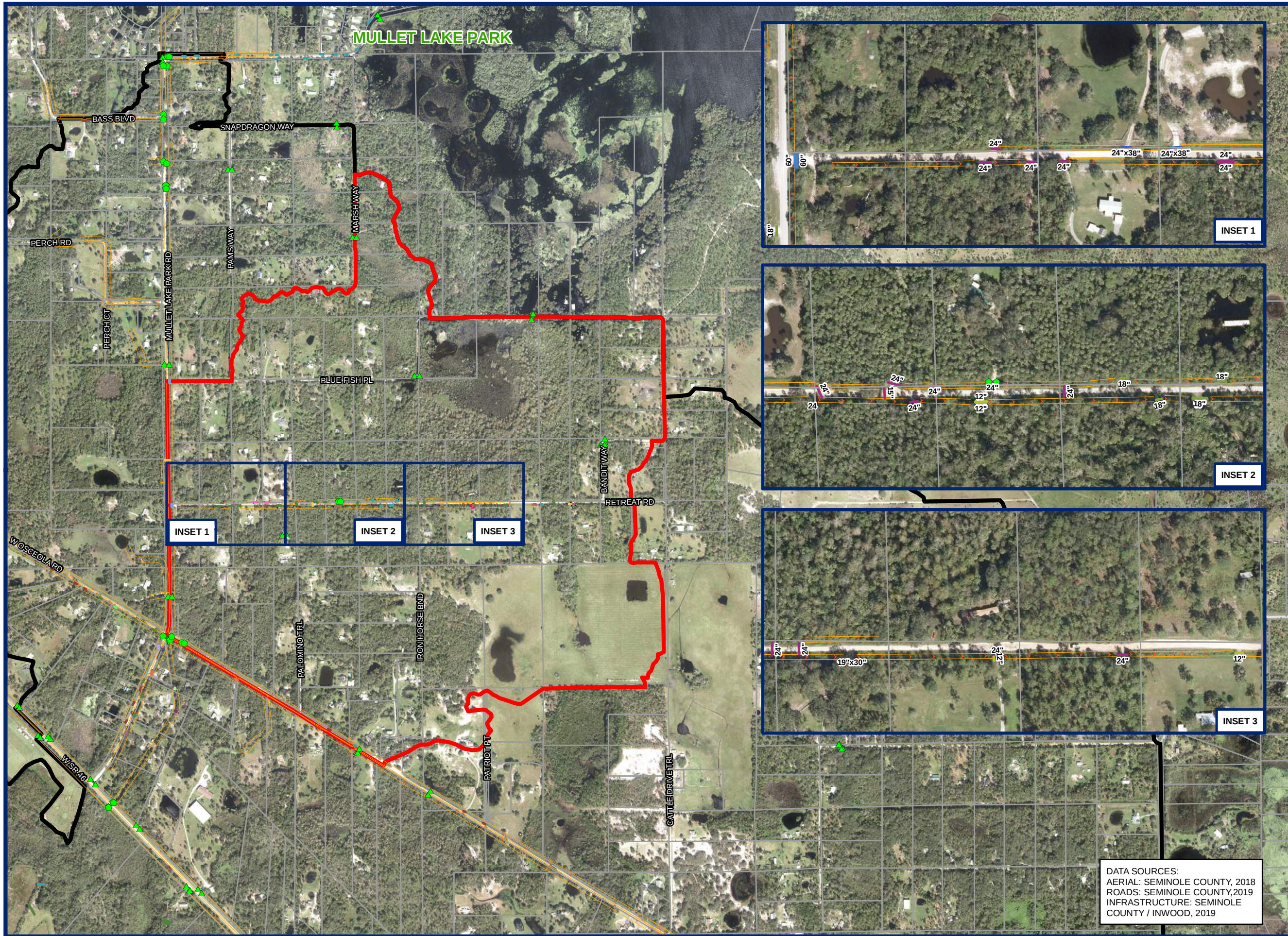


DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
SUBDIVISIONS: SEMINOLE COUNTY, 2019

Mullet Lake Park Road Conceptual Drainage Alternatives

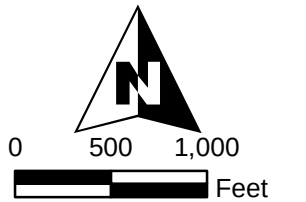
FIGURE 2
PROJECT SITE & OWNERSHIP MAP





LEGEND

FOCUS AREA	PIPES
MLPR	12"
WATERSHED BOUNDARY	12"x18"
PARCELS	14"x23"
MES	15"
HEADWALL	18"
MANHOLE	24"
CHANNELS	24"x38"
	29"x45"
	30"
	36"
	42"
	43"x68"
	48"
	48"x76"
	60"
	113"x72"
	Unknown

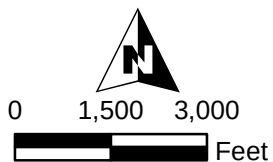
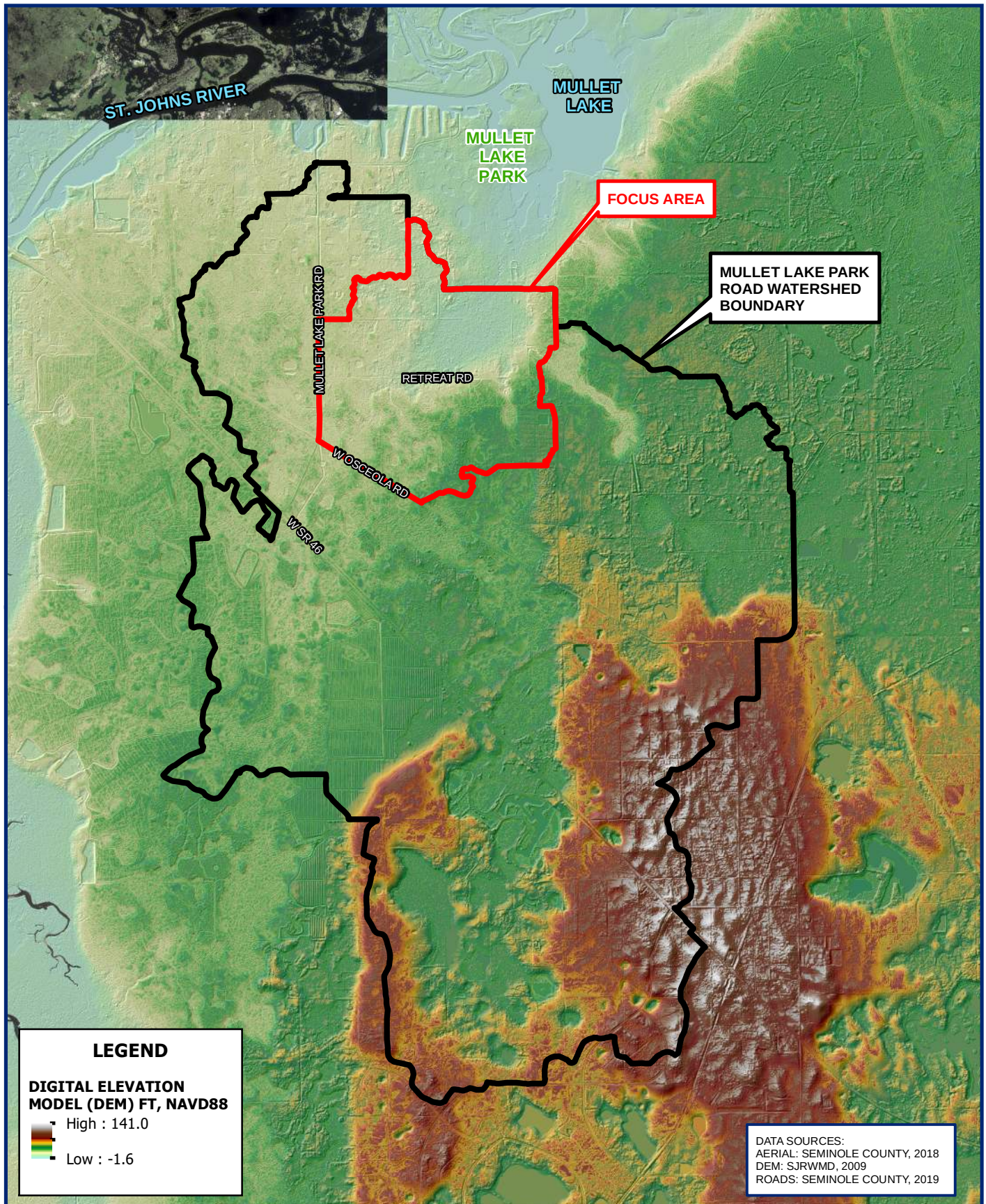


**Mullet Lake Park
Road Conceptual
Drainage
Alternatives**

FIGURE 3
INFRASTRUCTURE
MAP

DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
ROADS: SEMINOLE COUNTY, 2019
INFRASTRUCTURE: SEMINOLE
COUNTY / INWOOD, 2019

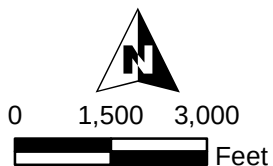
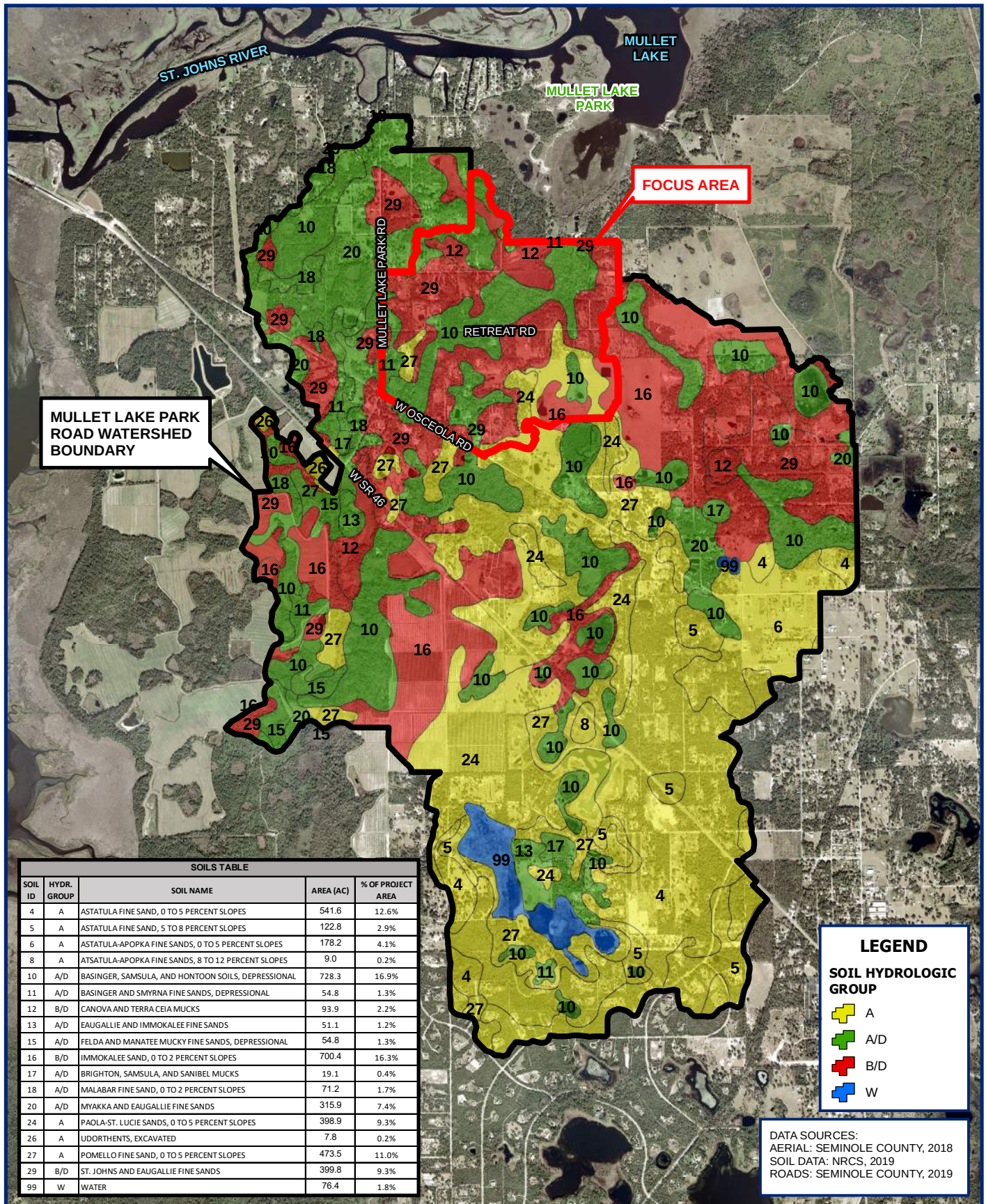




Mullet Lake Park Road Conceptual Drainage Alternatives

FIGURE 4
TOPOGRAPHIC MAP





Mullet Lake Park Road Conceptual Drainage Alternatives

FIGURE 5
SOILS MAP



DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
LAND USE DATA: SJRWMD, 2019
ROADS: SEMINOLE COUNTY, 2019

MULLET LAKE PARK
ROAD WATERSHED
AREA

MULLET LAKE
PARK

MULLET LAKE

FOCUS AREA

RETREAT RD

MULLET LAKE PARK RD

WOSCEOLA RD

WSPR 46

LAND USE TABLE			
CODE	DESCRIPTION	AREA (AC)	% OF PROJECT AREA
1100	1100: Residential, low density- less than 2 dwelling units/acre	621.5	14.8%
1180	1180: Rural residential	847.9	20.2%
1400	1400: Commercial and services	5.8	0.1%
1620	1620: Sand & gravel pits (must be active)	10.7	0.3%
1900	1900: Open Land	20.9	0.5%
2110	2110: Improved pastures (monocult, planted forage crops)	457.6	10.9%
2120	2120: Unimproved pastures	8.1	0.2%
2130	2130: Woodland pastures	62.0	1.5%
2140	2140: Row crops	7.5	0.2%
2150	2150: Field Crops	4.3	0.1%
2210	2210: Citrus Groves	220.9	5.3%
2240	2240: Abandoned tree crops	3.8	0.1%
2510	2510: Horse farms	13.9	0.3%
3100	3100: Herbaceous upland nonforested	32.1	0.8%
3200	3200: Shrub and brushland (wax myrtle)	40.5	1.0%
3300	3300: Mixed upland nonforested	5.4	0.1%
4110	4110: Pine flatw oods	21.8	0.5%
4120	4120: Longleaf pine- xeric oak	21.8	0.5%
4200	4200: Upland hardwood forest	4.9	0.1%
4340	4340: Upland mixed coniferous/hardw ood	492.8	11.7%
4410	4410: Pine Plantation	43.5	1.0%
5200	5200: Lakes	4.2	0.1%
5300	5300: Reservoirs- pits, retention ponds, dams	26.4	0.6%
6170	6170: Mixed wetland hardwoods	405.5	9.7%
6181	6181: Cabbage palm hammock	65.2	1.6%
6210	6210: Cypress	73.0	1.7%
6250	6250: Hydric pine flatw oods	0.2	0.0%
6300	6300: Wetland forested mixed	171.8	4.1%
6410	6410: Freshw ater marshes	259.9	6.2%
6430	6430: Wet prairies	27.7	0.7%
6440	6440: Emergent aquatic vegetation	61.0	1.5%
6460	6460: Mixed shrub-shrub wetland	152.3	3.6%
7400	7400: Disturbed Land	1.4	0%

LEGEND

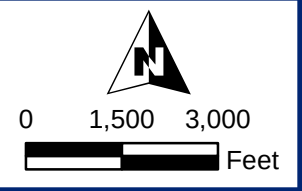
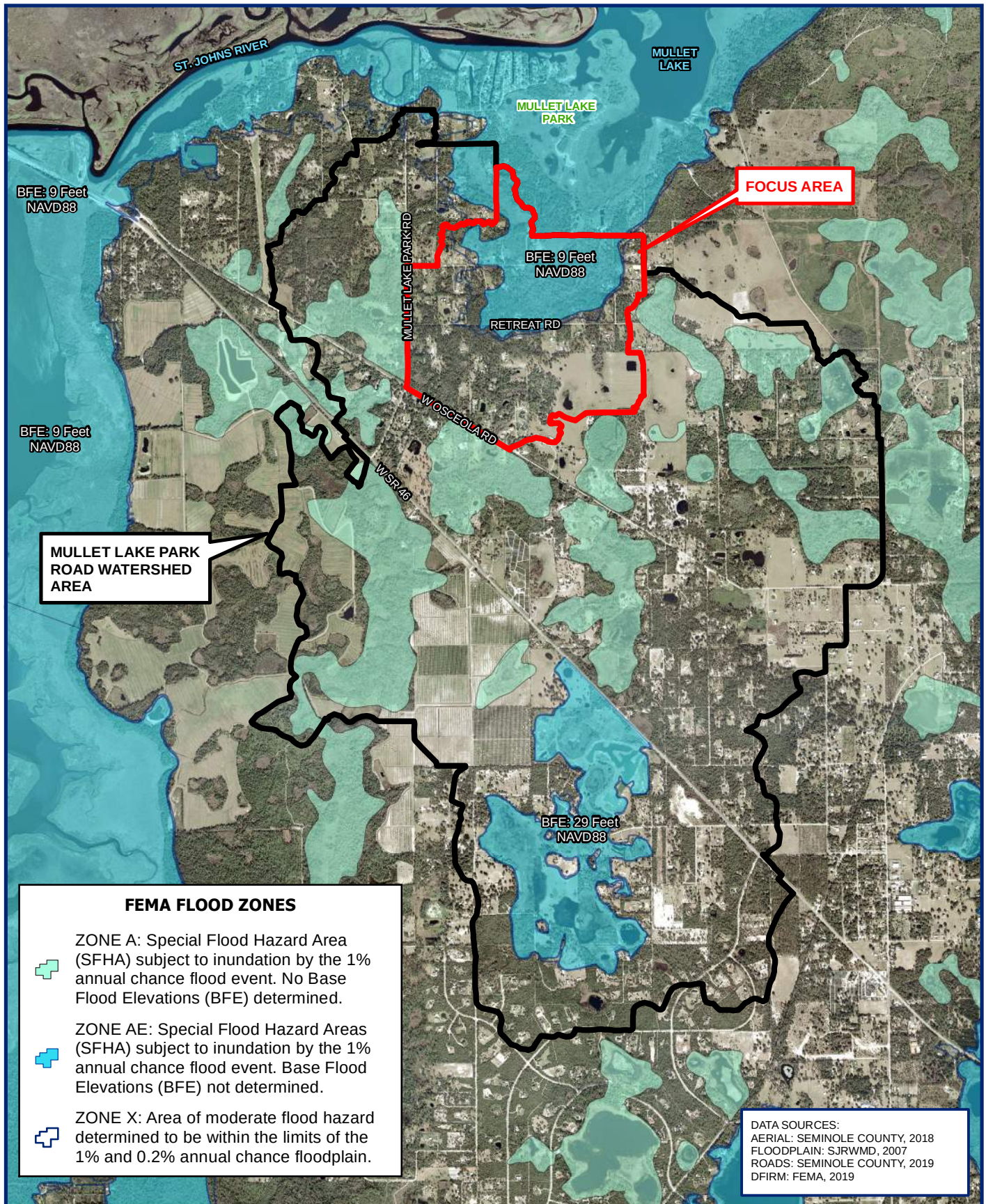
LAND USE CODES		
1100	4110	
1180	4120	
1400	4200	
1620	4340	
1900	4410	
2110	5200	
2120	5300	
2130	6170	
2140	6181	
2150	6210	
2210	6250	
2240	6300	
2510	6410	
3100	6430	
3200	6440	
3300	6460	
	7400	



Mullet Lake Park Road Conceptual Drainage Alternatives

FIGURE 6
EXISTING
LAND USE MAP





**Mullet Lake Park Road
Conceptual
Drainage Alternatives**

**FIGURE 7
FEMA FLOODPLAIN
MAP**



LEGEND

PROPOSED STRUCTURES

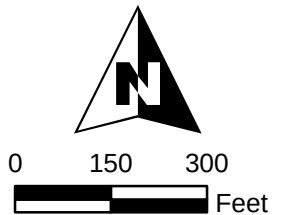
- CONTROL STRUCTURE
- ENDWALL
- MES
- PIPE
- DITCH
- PROPOSED BANK REGRADING
- PARCELS

FEMA FLOODZONE

- FLOODZONE A
- FLOODZONE AE

EXISTING STRUCTURES

- ENDWALL
- PIPES

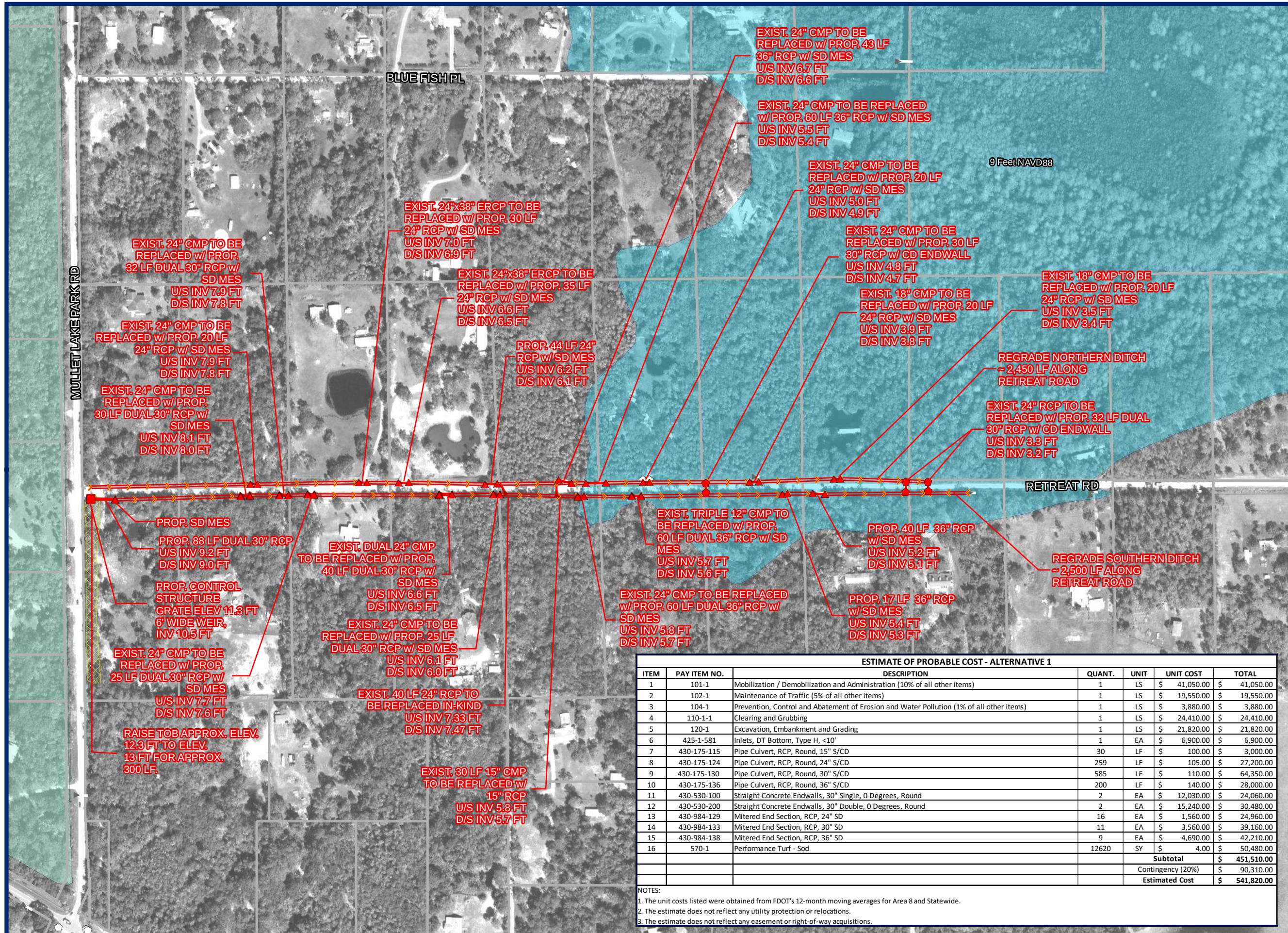


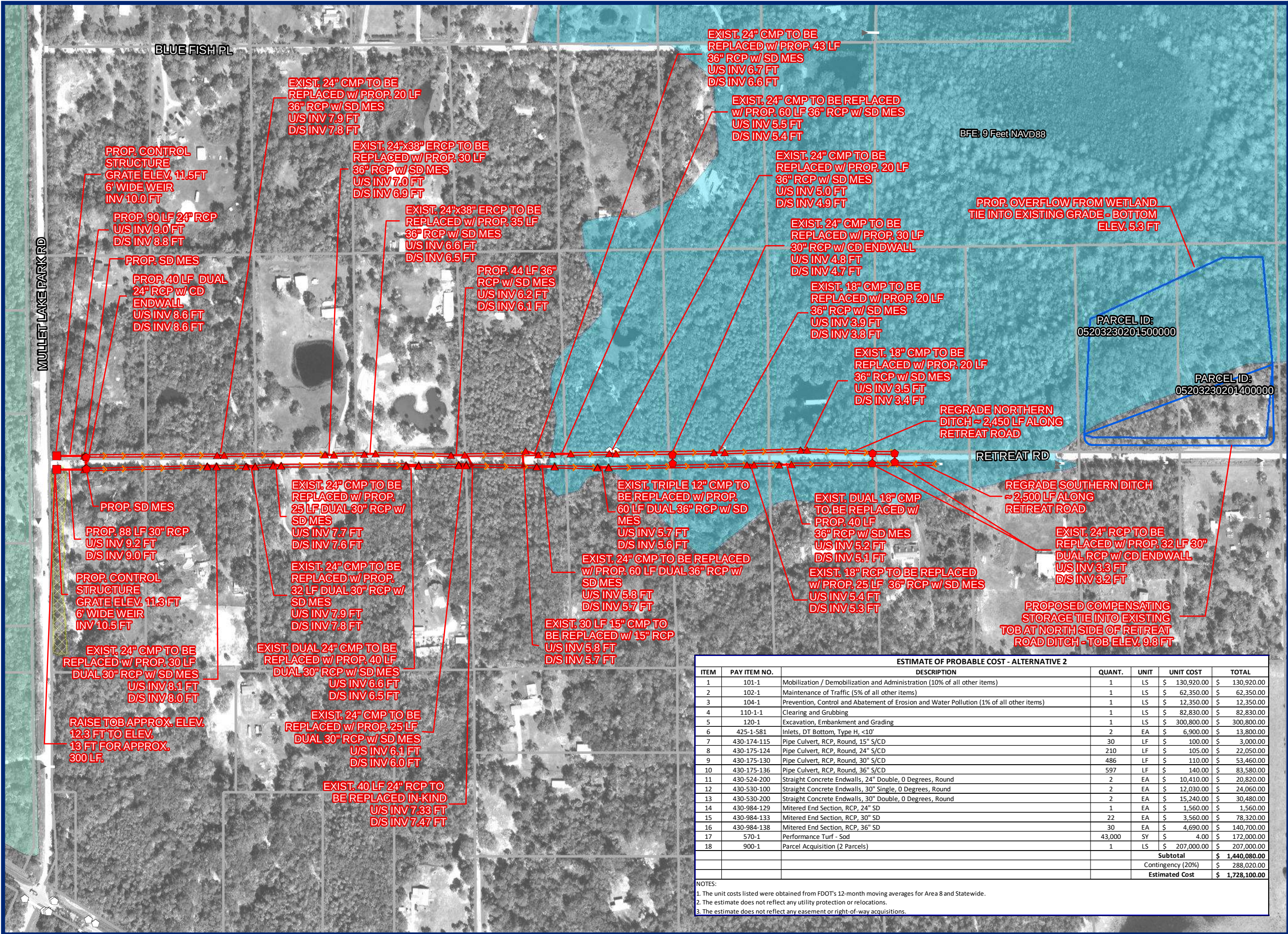
DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
DFIRM: FEMA, 2019

Mullet Lake Park
Road Conceptual
Drainage
Alternatives

FIGURE 9

ALTERNATIVE 1
CONCEPTUAL
IMPROVEMENTS
MAP





LEGEND

- PROPOSED**
- CONTROL STRUCTURE
 - ENDWALL
 - MES
 - PIPES
 - DITCH
 - PROPOSED COMPENSATING STORAGE
 - PROPOSED BANK REGRADING
 - PARCELS
- FEMA**
- FLOODZONE A
 - FLOODZONE AE
- EXISTING**
- ENDWALL
 - PIPES



0 150 300
Feet

DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
DFIRM: FEMA, 2019

**Mullet Lake Park
Road Conceptual
Drainage
Alternatives**

FIGURE 10

**ALTERNATIVE 2
CONCEPTUAL
IMPROVEMENTS
MAP**

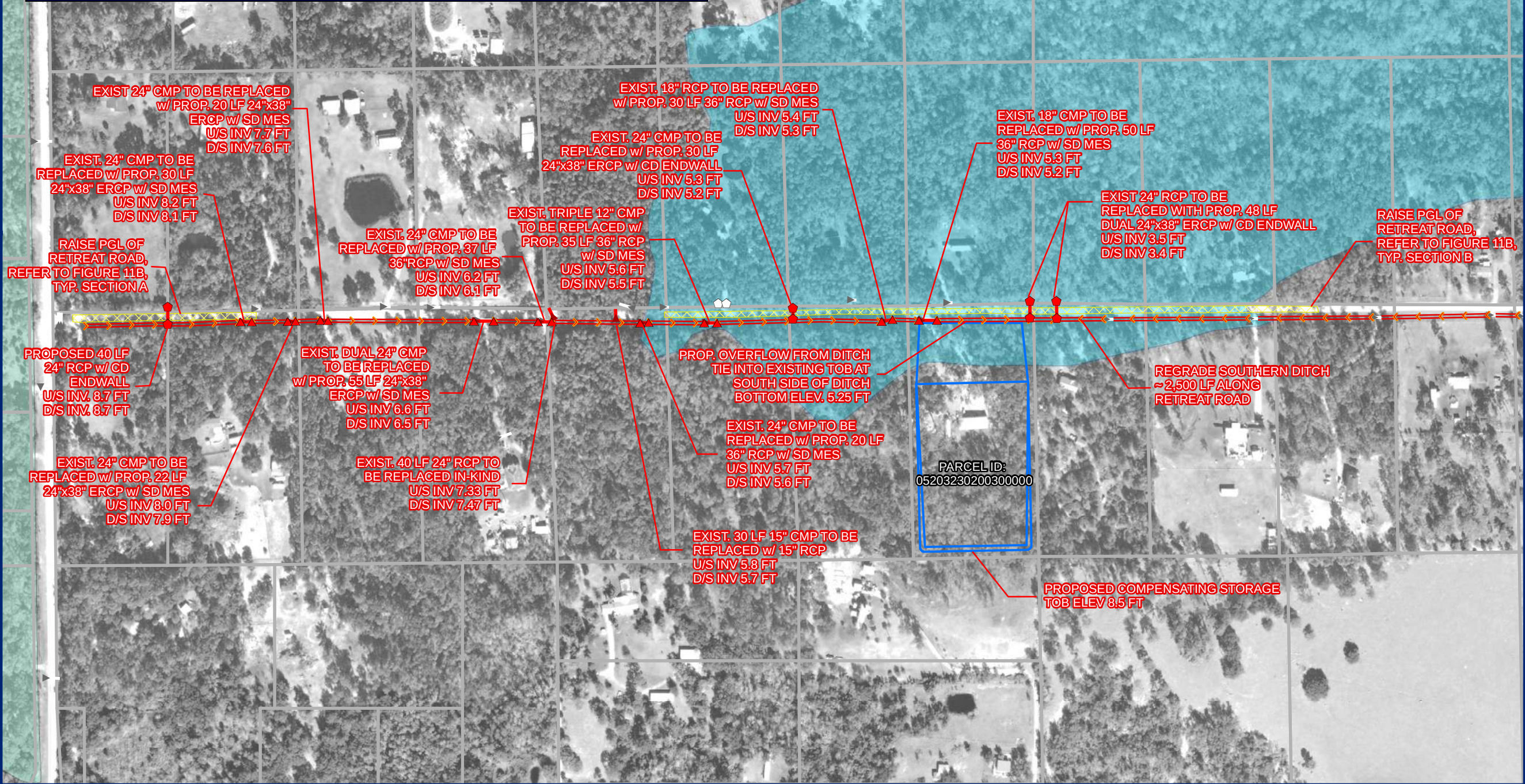


ESTIMATE OF PROBABLE COST - ALTERNATIVE 2							
ITEM	PAY ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL	
1	101-1	Mobilization / Demobilization and Administration (10% of all other items)	1	LS	\$ 130,920.00	\$	130,920.00
2	102-1	Maintenance of Traffic (5% of all other items)	1	LS	\$ 62,350.00	\$	62,350.00
3	104-1	Prevention, Control and Abatement of Erosion and Water Pollution (1% of all other items)	1	LS	\$ 12,350.00	\$	12,350.00
4	110-1-1	Clearing and Grubbing	1	LS	\$ 82,830.00	\$	82,830.00
5	120-1	Excavation, Embankment and Grading	1	LS	\$ 300,800.00	\$	300,800.00
6	425-1-581	Inlets, DT Bottom, Type H, <10'	2	EA	\$ 6,900.00	\$	13,800.00
7	430-174-115	Pipe Culvert, RCP, Round, 15" S/CD	30	LF	\$ 100.00	\$	3,000.00
8	430-175-124	Pipe Culvert, RCP, Round, 24" S/CD	210	LF	\$ 105.00	\$	22,050.00
9	430-175-130	Pipe Culvert, RCP, Round, 30" S/CD	486	LF	\$ 110.00	\$	53,460.00
10	430-175-136	Pipe Culvert, RCP, Round, 36" S/CD	597	LF	\$ 140.00	\$	83,580.00
11	430-524-200	Straight Concrete Endwalls, 24" Double, 0 Degrees, Round	2	EA	\$ 10,410.00	\$	20,820.00
12	430-530-100	Straight Concrete Endwalls, 30" Single, 0 Degrees, Round	2	EA	\$ 12,030.00	\$	24,060.00
13	430-530-200	Straight Concrete Endwalls, 30" Double, 0 Degrees, Round	2	EA	\$ 15,240.00	\$	30,480.00
14	430-984-129	Mitered End Section, RCP, 24" SD	1	EA	\$ 1,560.00	\$	1,560.00
15	430-984-133	Mitered End Section, RCP, 30" SD	22	EA	\$ 3,560.00	\$	78,320.00
16	430-984-138	Mitered End Section, RCP, 36" SD	30	EA	\$ 4,690.00	\$	140,700.00
17	570-1	Performance Turf - Sod	43,000	SY	\$ 4.00	\$	172,000.00
18	900-1	Parcel Acquisition (2 Parcels)	1	LS	\$ 207,000.00	\$	207,000.00
						Subtotal	\$ 1,440,080.00
						Contingency (20%)	\$ 288,020.00
						Estimated Cost	\$ 1,728,100.00

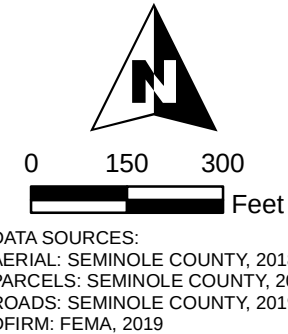
- NOTES:
- The unit costs listed were obtained from FDOT's 12-month moving averages for Area 8 and Statewide.
 - The estimate does not reflect any utility protection or relocations.
 - The estimate does not reflect any easement or right-of-way acquisitions.

ESTIMATE OF PROBABLE COST - ALTERNATIVE 3						
ITEM	PAY ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL
1	101-1	Mobilization / Demobilization and Administration (10% of all other items)	1	LS	\$ 106,070.00	\$ 106,070.00
2	102-1	Maintenance of Traffic (5% of all other items)	1	LS	\$ 50,510.00	\$ 50,510.00
3	104-1	Prevention, Control and Abatement of Erosion and Water Pollution (1% of all other items)	1	LS	\$ 10,010.00	\$ 10,010.00
4	110-1-1	Clearing and Grubbing	1	LS	\$ 53,670.00	\$ 53,670.00
5	120-1	Excavation, Embankment and Grading	1	LS	\$ 178,000.00	\$ 178,000.00
6	160-4	Type B Stabilization (6")	4205	SY	\$ 10.00	\$ 42,050.00
7	430-174-115	Pipe Culvert, RCP, Round, 15" S/CD	30	LF	\$ 100.00	\$ 3,000.00
8	430-174-124	Pipe Culvert, RCP, Round, 24" S/CD	80	LF	\$ 110.00	\$ 8,800.00
9	430-174-136	Pipe Culvert, RCP, Round, 36" SD	172	LF	\$ 140.00	\$ 24,080.00
10	430-175-230	Pipe Culvert, RCP, Elliptical, 30" S/CD	253	LF	\$ 150.00	\$ 37,950.00
11	430-524-100	Straight Concrete Endwalls, 24" Single, 0 Degrees, Round	2	EA	\$ 10,410.00	\$ 20,820.00
12	430-530-102	Straight Concrete Endwalls, 30" Single, 0 Degrees, Elliptical	2	EA	\$ 9,750.00	\$ 19,500.00
13	430-530-202	Straight Concrete Endwalls, 30" Double, 0 Degrees, Elliptical	2	EA	\$ 13,100.00	\$ 26,200.00
14	430-984-133	Mitered End Section, RCP, 30" SD	3	EA	\$ 3,560.00	\$ 10,680.00
15	430-984-138	Mitered End Section, RCP, 36" SD	10	EA	\$ 4,690.00	\$ 46,900.00
16	430-974-633	Mitered End Section, RCP, Elliptical, 30" SD	8	EA	\$ 3,630.00	\$ 29,040.00
17	570-1	Performance Turf - Sod	27,350	SY	\$ 4.00	\$ 109,400.00
18	900-1	Parcel Acquisition (1 Parcel)	1	LS	\$ 390,000.00	\$ 390,000.00
					Subtotal	\$ 1,166,680.00
					Contingency (20%)	\$ 233,340.00
					Estimated Cost	\$ 1,400,020.00

NOTES:
1. The unit costs listed were obtained from FDOT's 12-month moving averages for Area 8 and Statewide.
2. The estimate does not reflect any utility protection or relocations.
3. The estimate does not reflect any easement or right-of-way acquisitions.



- LEGEND**
- PROPOSED**
- ENDWALL
 - MES
 - PIPE
 - DITCH
 - PROPOSED COMPENSATING STORAGE
 - PGL IMPROVEMENTS
 - PARCELS
- FEMA FLOODZONE**
- FLOODZONE A
 - FLOODZONE AE
- EXISTING**
- ENDWALL
 - PIPES

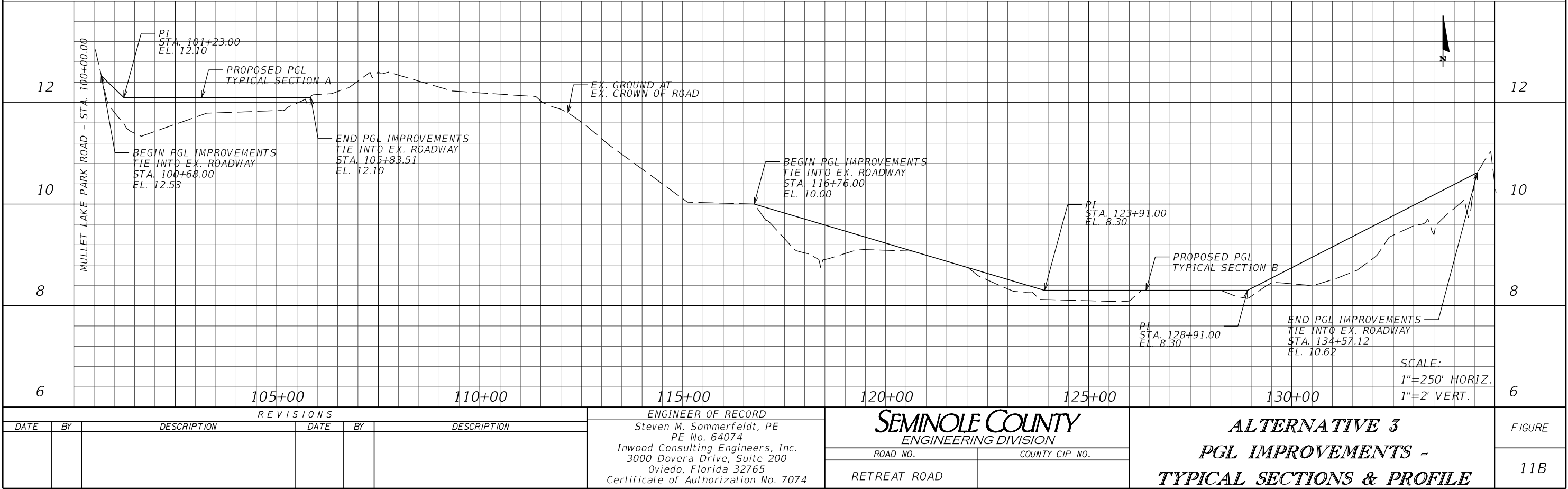
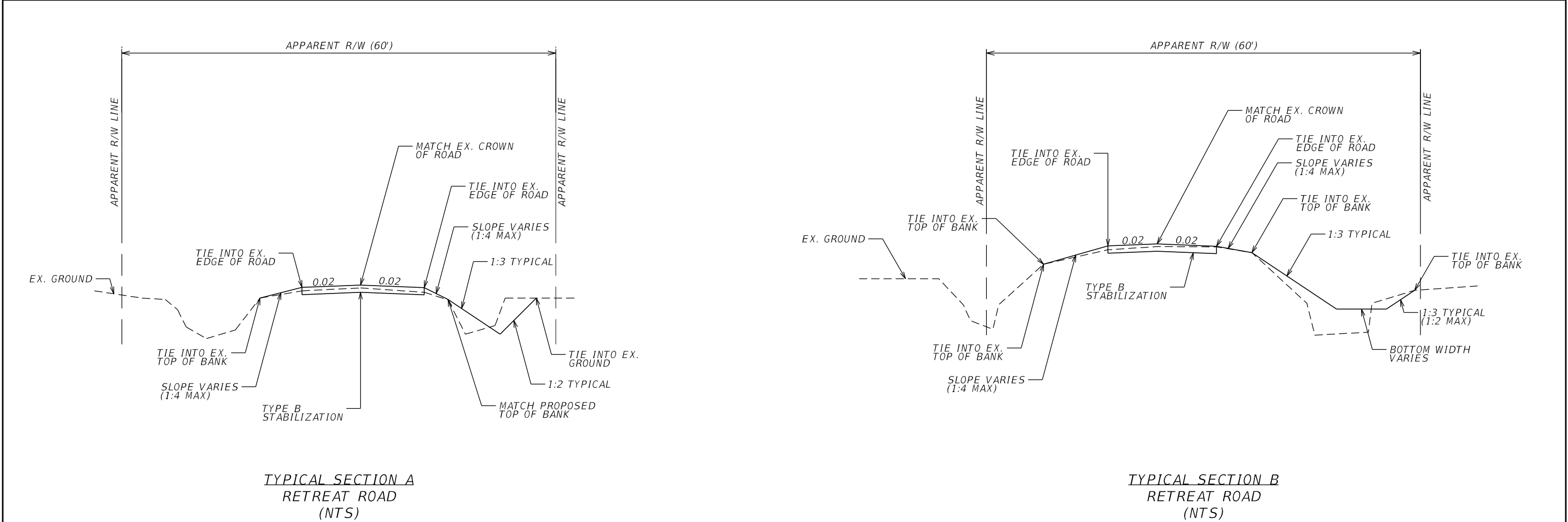


DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
DFIRM: FEMA, 2019

**Mullet Lake Park
Road Conceptual
Drainage
Alternatives**

FIGURE 11A
**ALTERNATIVE 3
CONCEPTUAL
IMPROVEMENTS
MAP**





TABLES

TABLE 1
MODEL NODE MAXIMUM STAGE SUMMARY - EXISTING VS. PROPOSED CONDITIONS

			Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour							
			Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3	
Model Node Name	Initial Stage (Feet)	Warning Stage (Feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)		
06_M_0100_NT	2.50	10.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50	0.0	2.50		
06_M_0110_NE	2.50	10.50	14.4	4.67	14.3	4.66	14.3	4.65	14.4	4.67	14.3	4.91	14.3	4.91	14.3	4.90	14.3	4.91	14.1	5.05	14.1	5.05	14.1	5.05	14.1	5.05	14.2	5.17	14.2	5.17	14.2	5.17	14.2	5.17	14.1	5.25	14.2	5.25	14.2	5.25	14.1	5.25
06_M_0120_NS	2.86	9.96	14.1	7.83	14.1	7.82	14.1	7.80	14.1	7.83	14.1	8.34	14.1	8.33	14.1	8.32	14.1	8.34	13.9	8.70	13.9	8.70	13.9	8.69	13.9	8.70	14.0	9.02	14.0	9.02	14.0	9.01	14.0	9.02	14.0	9.28	14.0	9.28	14.0	9.28	14.0	9.28
06_M_0125_NS	5.08	9.96	14.1	7.84	14.1	7.82	14.1	7.80	14.1	7.84	14.1	8.35	14.1	8.34	14.1	8.33	14.1	8.35	13.8	8.72	13.8	8.71	13.8	8.71	13.8	8.72	12.7	9.13	12.7	9.13	12.7	9.12	12.7	9.13	12.7	9.46	12.7	9.46	12.7	9.46	12.7	9.46
06_M_0130_NC	3.46	10.96	14.1	7.91	14.1	7.90	14.1	7.88	14.1	7.91	14.1	8.41	14.1	8.40	14.1	8.39	14.1	8.41	13.9	8.75	13.9	8.75	13.9	8.74	13.9	8.75	14.0	9.07	14.0	9.06	14.0	9.06	14.0	9.06	14.0	9.32	14.0	9.32	14.0	9.32	14.0	9.32
06_M_0140_NE	3.98	9.96	14.1	8.22	14.1	8.21	14.1	8.19	14.1	8.22	14.1	8.67	14.1	8.66	14.1	8.65	14.1	8.67	13.9	8.98	13.9	8.97	13.9	8.97	13.9	8.98	14.0	9.26	14.0	9.26	14.0	9.26	14.0	9.26	14.0	9.50	14.0	9.50	14.0	9.49	14.0	9.50
06_M_0145_NS	7.14	9.96	14.1	8.24	14.1	8.23	14.0	8.21	14.1	8.24	14.0	8.69	14.0	8.69	14.0	8.68	14.0	8.69	13.8	9.04	13.8	9.03	13.8	9.03	13.8	9.04	14.1	10.67	14.1	10.67	14.1	10.66	14.1	10.67	14.0	10.89	14.0	10.89	14.0	10.89	14.0	10.89
06_M_0200_NS	3.98	10.96	14.2	9.83	14.1	9.80	14.1	9.78	14.2	9.83	14.2	10.44	14.2	10.43	14.2	10.41	14.2	10.44	14.1	10.81	14.1	10.80	14.1	10.79	14.1	10.81	14.0	11.02	14.0	11.02	14.0	11.02	14.0	11.02	14.0	11.16	14.0	11.16	14.0	11.16	14.0	11.16
06_M_0205_NE	7.49	8.96	14.1	10.06	14.1	10.05	14.0	10.03	14.1	10.06	14.2	10.60	14.1	10.59	14.1	10.57	14.2	10.60	14.1	10.95	14.1	10.95	14.1	10.94	14.1	10.95	14.0	11.17	14.0	11.17	14.0	11.17	14.0	11.17	14.0	11.32	14.0	11.32	14.0	11.32	14.0	11.32
06_M_0210_NE	4.01	8.96	14.2	9.94	14.1	9.92	14.1	9.89	14.2	9.94	14.2	10.53	14.2	10.52	14.1	10.51	14.2	10.53	14.1	10.89	14.1	10.88	14.1	10.87	14.1	10.89	14.0	11.10	14.0	11.10	14.0	11.10	14.0	11.10	14.0	11.25	14.0	11.25	14.0	11.25	14.0	11.25
06_M_0220_NS	4.01	9.46	15.0	10.53	14.7	10.46	14.6	10.40	15.0	10.53	14.3	10.77	14.3	10.75	14.3	10.74	14.3	10.77	14.1	10.89	14.1	10.89	14.2	10.88	14.1	10.89	13.9	10.99	13.9	10.99	13.9	10.98	13.9	10.98	13.7	11.02	13.7	11.02	13.7	11.02	13.7	11.02
06_M_0230_NE	5.36	10.96	15.0	10.54	14.7	10.47	14.6	10.41	15.0	10.54	14.3	10.78	14.3	10.76	14.3	10.74	14.3	10.78	14.1	10.90	14.2	10.90	14.2	10.89	14.1	10.90	13.9	11.00	13.9	11.00	13.9	10.99	14.0	10.99	13.8	11.03	13.7	11.03	13.7	11.03	13.7	11.03
06_M_0240_NS	5.84	10.96	15.0	10.59	14.7	10.50	14.6	10.44	15.0	10.59	14.3	10.84	14.4	10.81	14.4	10.79	14.3	10.84	14.1	10.97	14.2	10.96	14.2	10.95	14.1	10.97	14.0	11.06	13.9	11.06	14.0	11.06	14.0	11.06	13.8	11.11	13.8	11.10	13.7	11.10	13.8	11.10
06_M_0250_NE	5.84	10.96	15.0	10.61	14.7	10.52	14.6	10.45	15.0	10.61	14.3	10.86	14.4	10.83	14.4	10.80	14.3	10.86	14.1	10.98	14.2	10.98	14.2	10.97	14.1	10.98	14.0	11.08	13.9	11.08	13.9	11.08	13.9	11.08	13.8	11.12	13.8	11.12	13.7	11.12	13.7	11.12
06_M_0260_NS	5.84	10.96	15.0	10.67	14.7	10.57	14.6	10.50	15.0	10.67	14.3	10.94	14.4	10.90	14.4	10.87	14.4	10.94	14.2	11.07	14.3	11.07	14.3	11.05	14.2	11.07	14.1	11.18	14.0	11.18	14.0	11.17	14.0	11.17	13.8	11.22	13.8	11.22	13.8	11.21	13.9	11.21
06_M_0270_NC	5.84	10.96	15.1	10.70	14.7	10.59	14.6	10.52	15.1	10.70	14.4	10.97	14.4	10.92	14.4	10.88	14.3	10.97	14.1	11.10	14.3	11.09	14.3	11.07	14.1	11.10	14.1	11.20	14.0	11.20	14.0	11.19	14.0	11.19	13.9	11.24	13.8	11.24	13.8	11.23	13.9	11.24
06_M_0280_NE	5.84	11.96	15.1	10.73	14.7	10.62	14.6	10.54	15.1	10.73	14.3	11.00	14.4	10.95	14.4	10.91	14.4	11.00	14.2	11.13	14.3	11.13	14.4	11.10	14.2	11.13	14.1	11.23	14.0	11.23	14.0	11.22	14.0	11.22	13.9	11.27	13.8	11.27	13.8	11.26	13.9	11.27
06_M_0290_NS	5.84	11.96	15.9	11.44	14.2	11.17	14.4	11.02	15.9	11.44	14.6	11.84	16.1	11.71	14.4	11.54	14.6	11.84	15.2	12.05	14.7	12.06	15.0	12.00	14.6	12.04	14.9	12.21	14.6	12.18	14.7	12.15	14.8	12.17	14.8	12.28	14.6	12.24	14.7	12.22	14.9	12.25
06_M_0300_NC	5.84	11.96	15.9	11.47	14.2	11.20	14.4	11.05	15.9	11.47	14.7	11.87	16.1	11.74	14.4	11.57	14.7	11.87	15.2	12.07	14.7	12.09	15.0	12.02	14.6	12.07	14.8	12.23	14.7	12.21	14.8	12.17	14.8	12.1								

TABLE 1
MODEL NODE MAXIMUM STAGE SUMMARY - EXISTING VS. PROPOSED CONDITIONS

			Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour							
			Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3	
Model Node Name	Initial Stage (Feet)	Warning Stage (Feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)		
06_M_0680_NC	10.52	14.96	21.1	12.96	21.9	12.93	21.9	12.92	21.1	12.96	21.2	13.60	21.1	13.58	21.1	13.56	21.3	13.60	20.5	14.17	20.5	14.18	20.4	14.17	20.5	14.17	21.8	14.95	21.8	14.95	21.8	14.95	21.7	14.94	19.2	15.32	19.2	15.32	19.1	15.32	19.1	15.32
06_M_0690_NE	12.07	15.96	21.6	13.53	21.6	13.52	21.7	13.51	21.5	13.53	21.3	14.00	21.2	14.00	21.3	13.99	21.3	14.00	20.8	14.51	20.9	14.52	20.9	14.51	20.9	14.51	21.9	15.12	21.9	15.12	21.9	15.12	21.8	15.12	20.9	15.49	20.8	15.49	20.8	15.48	20.7	15.48
06_M_0700_NE	15.27	15.96	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	0.0	15.27	20.9	15.48	20.8	15.48	20.9	15.48	20.8	15.48		
06_M_0710_NS	13.50	17.26	12.3	14.32	12.3	14.32	12.3	14.32	12.3	14.32	12.3	14.33	12.3	14.33	12.3	14.33	12.3	14.33	12.2	14.33	12.2	14.33	12.2	14.33	12.2	14.33	12.2	14.34	12.2	14.34	12.2	14.34	23.6	14.75	23.6	14.75	23.6	14.75	23.6	14.75	23.6	14.74
06_M_1000_NS	10.37	13.56	13.0	12.99	13.0	12.99	13.0	12.99	12.9	12.99	20.1	13.03	13.0	13.02	13.0	13.02	20.1	13.03	22.6	13.41	22.8	13.41	22.2	13.40	22.5	13.40	24.7	13.93	24.8	13.94	24.8	13.93	24.7	13.92	23.6	14.75	23.6	14.75	23.6	14.75	23.6	14.74
06_M_1100_ND	11.96	14.46	27.5	12.75	27.5	12.75	27.4	12.75	27.5	12.75	20.1	13.03	19.8	13.01	19.2	13.00	20.1	13.03	22.6	13.41	22.8	13.41	22.3	13.40	22.5	13.40	25.0	13.93	25.0	13.94	25.0	13.93	25.0	13.92	23.6	14.75	23.6	14.75	23.6	14.75	23.6	14.74
06_M_2000_NS	12.41	16.46	21.6	13.59	21.5	13.58	21.8	13.58	21.3	13.59	21.4	14.07	21.2	14.06	21.2	14.06	21.3	14.07	20.8	14.60	20.9	14.60	20.9	14.60	21.1	14.60	21.9	15.17	21.9	15.17	21.9	15.17	21.9	15.17	21.0	15.60	21.0	15.60	21.0	15.60	21.0	15.60
06_M_2100_ND	12.46	17.46	21.6	13.60	21.6	13.59	21.6	13.59	21.6	13.60	21.3	14.07	21.3	14.07	21.2	14.06	21.3	14.07	21.0	14.60	21.0	14.60	21.0	14.60	21.0	14.60	21.9	15.18	21.9	15.18	21.9	15.18	21.9	15.18	21.0	15.60	21.0	15.60	21.0	15.60	21.0	15.60
06_M_2200_NP	14.06	19.96	17.4	15.75	17.4	15.75	17.4	15.75	17.4	15.75	15.4	15.92	15.4	15.92	15.4	15.92	15.4	15.92	14.6	16.08	14.6	16.08	14.6	16.08	14.6	16.08	14.2	16.23	14.2	16.23	14.2	16.23	14.2	16.23	14.0	16.33	14.0	16.33	14.0	16.33	14.0	16.33
06_M_2300_ND	13.96	18.96	28.7	14.53	28.7	14.53	28.7	14.53	28.7	14.53	19.3	15.54	19.3	15.54	19.3	15.54	19.3	15.54	16.2	16.81	16.2	16.81	16.2	16.81	16.2	16.81	14.4	17.47	14.4	17.47	14.4	17.47	14.4	17.47	13.9	17.76	13.9	17.76	13.9	17.76	13.9	17.76
06_M_2400_NP	13.96	19.96	18.1	17.41	18.1	17.41	18.1	17.41	18.1	17.41	14.8	18.72	14.8	18.72	14.8	18.72	14.8	18.72	13.5	19.09	13.5	19.09	13.5	19.09	13.5	19.09	13.1	19.45	13.1	19.45	13.1	19.45	13.1	19.45	12.9	19.70	12.9	19.70	12.9	19.70	12.9	19.70
06_M_2500_ND	13.96	18.96	168.0	15.25	168.0	15.25	168.0	15.25	168.0	15.25	240.0	15.56	240.0	15.56	240.0	15.56	240.0	15.56	288.0	15.84	288.0	15.84	288.0	15.84	288.0	15.84	40.9	16.02	40.9	16.02	40.9	16.02	40.9	16.02	26.7	16.10	26.7	16.10	26.7	16.10	26.7	16.10
06_M_2600_NP	15.96	19.96	18.2	17.23	18.2	17.23	18.2	17.23	18.2	17.23	17.7	17.95	17.7	17.95	17.7	17.95	17.7	17.95	14.7	18.55	14.7	18.55	14.7	18.55	14.7	18.55	13.5	18.69	13.5	18.69	13.5	18.69	13.5	18.69	13.1	18.78	13.1	18.78	13.1	18.78	13.1	18.78
06_M_2700_ND	16.96	18.96	14.6	17.03	14.6	17.03	14.6	17.03	14.6	17.03	14.4	17.05	14.4	17.05	14.4	17.05	14.4	17.05	14.3	17.07	14.3	17.07	14.3	17.07	14.3	17.07	14.2	17.10	14.2	17.10	14.2	17.10	14.2	17.10	14.1	17.11	14.1	17.11	14.1	17.11	14.1	17.11
06_M_2800_NP	16.96	20.46	25.1	17.39	25.1	17.39	25.1	17.39	25.1	17.39	24.8	17.62	24.8	17.62	24.8	17.62	24.8	17.62	24.8	17.89	24.8	17.89	24.8	17.89	24.8	17.89	24.7	18.20	24.7	18.20	24.7	18.20	24.7	18.20	24.7	18.44	24.7	18.44	24.7	18.44	24.7	18.44
06_M_3000_NC	11.72	15.96	18.1	13.28	17.9	13.21	18.0	13.19	18.1	13.28	15.4	13.57	15.5	13.57	15.5	13.56	15.4	13.57	14.2	13.63	14.3	13.63	14.3	13.63	14.2	13.63	22.1	13.94	22.1	13.94	22.1	13.94	22.1	13.93	23.5	14.76	23.5	14.76	23.5	14.76	23.5	14.75
06_M_3100_ND	14.04	17.46	18.3	15.66	18.3	15.66	18.3	15.66	18.3	15.66	15.5	15.87	15.5	15.87	15.5	15.87	15.5	15.87	14.3	15.96	14.3	15.96	14.3	15.96	14.3	15.96	13.8	16.04	13.8	16.04	13.8	16.04	13.8	16.04	16.9	16.12	16.9	16.12	16.9	16.12	16.9	16.12
06_M_3200_ND	15.96	17.96	12.3	16.36	12.3	16.36	12.3	16.36	12.3	16.36	12.2	16.45	12.2	16.45	12.2	16.45	12.2	16.45	12.2	16.55	12.2	16.55	12.2	16.55	12.2	16.55	20.9	16.73	20.9	16.73	20.9	16.73	20.9	16.73	17.5	16.94	17.5	16.94	17.5	16.94	17.5	16.94
06_M_3250_NS	15.96	18.96	12.2	17.54	12.2	17.54	12.2	17.54	12.2	17.54	12.2	17.98	12.2	17																												

TABLE 1
MODEL NODE MAXIMUM STAGE SUMMARY - EXISTING VS. PROPOSED CONDITIONS

			Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour							
Model Node Name	Initial Stage (Feet)	Warning Stage (Feet)	Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3	
			Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)	Time (hrs)	Max Stage (feet)
NML0210	5.40	8.20	14.4	7.96	14.3	7.95	14.2	7.95	14.4	7.96	14.4	8.14	14.5	8.13	14.5	8.12	14.4	8.14	14.1	8.24	14.1	8.24	14.1	8.23	14.1	8.24	13.7	8.32	13.7	8.32	13.7	8.32	13.7	8.32	13.3	8.37	13.4	8.37	13.4	8.37	13.3	8.37
NML0220	8.80	10.40	15.0	10.53	14.7	10.46	14.7	10.40	15.0	10.53	14.3	10.75	14.3	10.74	14.4	10.72	14.3	10.75	14.1	10.85	14.1	10.85	14.2	10.84	14.1	10.85	13.9	10.93	13.9	10.93	13.9	10.93	13.9	10.93	13.6	10.97	13.6	10.97	13.6	10.96	13.6	10.96
NML0300	7.84	11.70	12.9	10.75	12.9	10.75	12.9	10.75	12.9	10.75	13.0	11.81	13.0	11.81	13.0	11.81	13.0	11.81	12.7	12.39	12.7	12.39	12.7	12.39	12.7	12.39	12.5	12.62	12.5	12.62	12.5	12.62	12.5	12.62	12.4	12.73	12.4	12.73	12.4	12.73	12.4	12.73
NML0310	19.66	20.10	27.0	21.13	27.0	21.13	27.0	21.13	27.0	21.13	27.0	21.91	27.0	21.91	27.0	21.91	27.0	21.91	18.0	22.21	18.0	22.21	18.0	22.21	18.0	22.21	14.1	22.28	14.1	22.28	14.1	22.28	14.1	22.28	13.4	22.35	13.4	22.35	13.4	22.35	13.4	22.35
NML0400	8.10	12.20	13.6	12.67	13.6	12.67	13.6	12.67	13.6	12.67	13.5	12.89	13.5	12.89	13.5	12.89	13.5	12.89	13.3	13.10	13.3	13.10	13.3	13.10	13.3	13.10	13.2	13.31	13.2	13.31	13.2	13.31	13.2	13.31	13.1	13.44	13.1	13.44	13.1	13.44	13.1	13.44
NML0410	13.83	16.70	13.6	15.62	13.6	15.62	13.6	15.62	13.6	15.62	13.5	15.99	13.5	15.99	13.5	15.99	13.5	15.99	13.3	16.30	13.3	16.30	13.3	16.30	13.3	16.30	13.2	16.54	13.2	16.54	13.2	16.54	13.2	16.54	13.1	16.68	13.1	16.68	13.1	16.68	13.1	16.68
NML0420	19.90	26.70	26.9	24.02	26.9	24.02	26.9	24.02	26.9	24.02	25.9	24.58	25.9	24.58	25.9	24.58	25.9	24.58	25.6	25.06	25.6	25.06	25.6	25.06	25.6	25.06	25.3	25.51	25.3	25.51	25.3	25.51	25.3	25.51	23.8	25.70	23.8	25.70	23.8	25.70	23.8	25.70
NML0430	30.87	32.50	24.4	31.36	24.4	31.36	24.4	31.36	24.4	31.36	24.2	31.76	24.2	31.76	24.2	31.76	24.2	31.76	24.0	32.22	24.0	32.22	24.0	32.22	24.0	32.22	17.9	32.59	17.9	32.59	17.9	32.59	17.9	32.59	14.5	32.69	14.5	32.69	14.5	32.69	14.5	32.69
NML0500	8.50	12.50	13.3	11.46	13.3	11.46	13.3	11.46	13.3	11.46	13.1	11.55	13.1	11.55	13.1	11.55	13.1	11.55	12.9	11.62	12.9	11.62	12.9	11.62	12.9	11.62	12.9	11.68	12.9	11.68	12.9	11.68	12.9	11.68	12.9	11.72	12.9	11.72	12.9	11.72	12.9	11.72
NML0510	7.95	11.00	12.6	9.72	12.7	9.56	12.8	9.31	12.6	9.67	12.6	9.80	12.6	9.74	12.7	9.68	12.5	9.78	12.6	9.87	12.6	9.85	12.6	9.82	12.5	9.86	15.0	10.00	12.6	9.92	12.5	9.91	15.1	9.96	17.7	10.10	17.7	9.98	12.6	9.97	17.6	10.08
NML0520	6.72	9.80	12.6	9.69	12.7	9.52	13.0	9.25	12.6	9.65	12.6	9.78	12.7	9.71	12.8	9.64	12.6	9.76	12.6	9.84	12.6	9.82	12.6	9.78	12.6	9.83	12.7	9.92	12.6	9.89	12.5	9.87	12.7	9.92	12.8	9.98	12.6	9.95	12.6	9.93	12.7	9.98
NML0530	5.76	10.00	13.0	9.75	13.1	9.39	13.1	9.26	12.7	9.69	12.9	9.94	13.0	9.76	13.0	9.74	12.9	9.89	12.8	10.08	12.9	9.97	12.8	9.97	12.8	10.06	12.8	10.17	12.8	10.10	12.8	10.10	12.8	10.16	12.8	10.22	12.8	10.17	12.8	10.17	12.8	10.21

BLACK TEXT - EXISTING CONDITIONS MAX STAGE IS BELOW WARNING STAGE AND/OR ALTERNATIVES CONDITION MATCHES EXISTING CONDITION.
BOLD RED - EXISTING CONDITIONS MAX STAGE EXCEEDS WARNING STAGE AND/OR ALTERNATIVE CONDITION IS EQUAL TO OR ABOVE EXISTING CONDITION AND ABOVE WARNING STAGE.
BOLD MAGENTA - MAX STAGE IS BELOW EXISTING CONDITIONS MAX STAGE AND ABOVE WARNING STAGE.
BOLD GREEN - MAX STAGE IS BELOW EXISTING CONDITIONS MAX STAGE AND BELOW WARNING STAGE.
BOLD BLUE - MAX STAGE IS ABOVE EXISTING CONDITIONS AND BELOW WARNING STAGE.
"-" INDICATES THAT THE PARTICULAR MODEL NODE WAS NOT PRESENT UNDER EXISTING AND/OR ALTERNATIVE CONDITIONS.

TABLE 2
MODEL LINK PEAK FLOW SUMMARY - EXISTING VS. PROPOSED CONDITIONS

Model Link Name Model Link Type Connectivity U/S Node D/S Node				Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour								
				Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		
				Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	
06_M_0110_LC	Channel	06_M_0110_NE	06_M_0100_NT	14.4	161.4	14.4	160.8	14.3	160.0	14.4	161.4	14.3	182.0	14.3	181.6	14.3	181.2	14.3	182.0	14.1	195.0	14.1	194.9	14.1	194.6	14.1	195.0	14.2	205.9	14.2	205.9	14.2	205.8	14.1	205.9	14.1	214.3	14.2	214.3	14.2	214.2	14.2	214.3	
06_M_0110_NE_W1	Weir	06_M_0110_NE	MULLET_LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0110_NE_W2	Weir	06_M_0110_NE	06_M_0100_NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0120_LP	Pipe	06_M_0120_NS	06_M_0110_NE	14.1	161.8	14.1	161.2	14.1	160.4	14.1	161.8	14.1	182.1	14.1	181.7	14.1	181.3	14.1	182.1	13.9	195.0	13.9	194.9	13.9	194.6	13.9	195.0	14.0	205.8	14.1	205.8	14.1	205.7	14.0	205.8	14.0	214.2	14.0	214.2	14.0	214.2	14.0	214.2	
06_M_0120_NS_W1	Weir	06_M_0120_NS	06_M_0110_NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0120_NS_W2	Weir	06_M_0120_NS	06_M_0100_NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0125_LP	Pipe	06_M_0125_NS	06_M_0120_NS	12.2	17.4	12.2	17.4	12.2	17.4	12.2	17.4	12.2	24.8	12.2	24.8	12.2	24.8	12.2	24.8	12.2	32.2	12.2	32.2	12.2	32.2	12.2	32.2	12.2	32.1	12.2	32.1	12.2	32.2	12.2	32.1	12.4	33.6	12.4	33.6	12.4	33.6	12.4	33.6	
06_M_0125_NS_W1	Weir	06_M_0125_NS	MULLET_LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0125_NS_W2	Weir	06_M_0125_NS	06_M_0120_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0125_NS_W3	Weir	06_M_0125_NS	06_M_0110_NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0130_LC	Channel	06_M_0130_NC	06_M_0120_NS	14.2	158.9	14.1	158.3	14.1	157.5	14.1	158.9	14.1	178.1	14.1	177.7	14.1	177.3	14.1	178.1	14.1	189.1	14.1	189.0	14.1	188.7	14.1	189.1	14.0	199.2	14.0	199.2	14.1	199.1	14.0	199.2	14.0	206.5	14.0	206.5	14.0	206.4	14.0	206.4	
06_M_0130_NC_W1	Weir	06_M_0130_NC	06_M_0120_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0130_NC_W2	Weir	06_M_0130_NC	06_M_0125_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
06_M_0140_LC	Channel	06_M_0140_NE	06_M_0130_NC	14.1	158.4	14.1	157.7	14.1	156.8	14.1	158.4	14.2	177.4	14.2	176.9	14.1	176.6	14.2	177.4	14.0	188.0	14.1	187.9	14.1	187.6	14.0	188.0	14.0	197.9	14.0	197.9	14.0	197.8	14.0	197.9	14.0	204.9	14.0	204.9	14.0	204.9	14.0	204.9	
06_M_0145_LP	Pipe	06_M_0145_NS	06_M_0140_NE	12.8	1.3	12.8	1.3	12.8	1.3	12.8	1.3	12.8	1.9	12.8	1.9	12.8	1.9	12.8	1.9	12.8	2.5	12.8	2.5	12.8	2.5	12.8	2.5	14.1	6.9	14.1	6.9	14.1	6.9	14.1	6.9	14.7	6.9	14.7	6.9	14.7	6.9	14.7	6.9	14.7
06_M_0145_NS_W1	Weir	06_M_0145_NS	06_M_0140_NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	2.2	14.1	2.1	14.1	2.0	14.1	2.1	14.0	14.3	14.0	14.3	14.0	14.2	14.0	14.3		
06_M_0145_NS_W2	Weir	06_M_0145_NS	06_M_0100_NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	5.5	14.1	5.5	14.1	5.2	14.1	5.5	14.0	25.6	14.0	25.6	14.0	25.4	14.0	25.5		
06_M_0200_LP	Pipe	06_M_0200_NS	06_M_0140_NE	14.2	157.7	14.1	157.0	14.1	156.1	14.2	157.7	14.2	176.4	14.2	176.0	14.2	175.6	14.2	176.4	14.1	186.6	14.1	186.5	14.1	186.3	14.1	186.6	13.8	189.2	13.8	189.2	13.8	189.3	13.8	189.2	15.2	188.2	15.2	188.2	15.2	188.2	15.2	188.2	
06_M_0200_NS_W1	Weir	06_M_0200_NS	06_M_0145_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	13.2	14.0	13.2	14.0	12.8	14.0	13.2	14.0	44.9	14.0	44.8	14.0	44.6	14.0	44.8		
06_M_0200_NS_W2	Weir	06_M_0200_NS	06_M_0125_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																									

TABLE 2
MODEL LINK PEAK FLOW SUMMARY - EXISTING VS. PROPOSED CONDITIONS

				Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour										
Model Link Name	Model Link Type	Connectivity		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3				
		U/S Node	D/S Node	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)					
06_M_0315_NS_W4	Weir	06_M_0315_NS	06_M_0290_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
06_M_0320_LC	Channel	06_M_0320_NE	06_M_0310_NC	20.6	85.1	20.3	74.9	20.3	69.7	20.5	85.1	26.3	94.5	23.4	86.8	23.8	82.4	26.3	94.5	28.3	99.8	27.2	96.5	26.5	92.1	28.1	99.7	30.0	103.8	30.8	104.1	29.3	102.4	30.9	103.3	31.4	116.7	32.0	105.1	30.3	104.3	29.9	104.0			
06_M_0400_LP	Pipe	06_M_0400_NS	06_M_0320_NE	20.5	85.0	20.3	74.8	20.3	69.7	20.5	85.0	26.3	94.5	23.4	86.8	23.8	82.2	26.3	94.5	28.5	99.6	27.2	96.5	26.5	92.0	28.6	99.6	30.0	103.6	31.3	104.0	29.4	102.2	31.2	103.1	30.1	104.7	33.1	104.8	30.3	104.2	29.9	103.9			
06_M_0400_NS_W1	Weir	06_M_0400_NS	06_M_0320_NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0400_NS_W2	Weir	06_M_0400_NS	06_M_0315_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0410_LC	Channel	06_M_0410_NC	06_M_0400_NS	20.5	84.8	20.3	74.7	20.3	69.6	20.5	84.8	26.2	94.3	23.4	86.6	23.8	82.0	26.3	94.3	28.5	99.6	27.1	96.3	26.5	91.8	28.6	99.6	30.0	103.6	31.3	103.9	29.5	102.2	31.5	103.1	30.0	104.6	32.9	104.8	30.3	104.2	29.8	103.8			
06_M_0410_NC_W1	Weir	06_M_0410_NC	NML0220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0410_NC_W2	Weir	06_M_0410_NC	NML0520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0410_NC_W3	Weir	06_M_0410_NC	06_M_0310_NC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0410_NC_W4	Weir	06_M_0410_NC	06_M_0400_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0420_LC	Channel	06_M_0420_NC	06_M_0410_NC	20.5	84.0	20.4	74.1	20.4	69.0	20.5	84.0	26.2	93.9	23.5	85.8	23.8	81.4	26.3	93.9	28.7	99.3	27.2	95.7	27.1	91.2	28.6	99.3	30.1	103.3	31.3	103.7	29.4	101.9	31.4	102.9	30.1	104.2	32.9	104.6	30.4	103.9	29.8	103.4			
06_M_0420_NC_W1	Weir	06_M_0420_NC	06_M_0410_NC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0425_LP	Pipe	06_M_0425_NS	06_M_0420_NC	12.7	3.9	12.7	3.9	12.7	3.9	12.7	3.9	12.6	4.2	12.6	4.2	12.6	4.2	12.6	4.2	12.5	4.5	12.5	4.5	4.5	12.5	4.5	12.3	4.6	12.3	4.6	12.3	4.6	12.3	4.6	12.1	4.5	12.1	4.6	12.2	4.6	12.1	4.5	12.1	4.5	12.1	4.5
06_M_0425_NS_W1	Weir	06_M_0425_NS	06_M_0315_NS	12.7	4.3	12.7	4.3	12.7	4.3	12.7	4.3	12.6	9.2	12.6	9.2	12.6	9.2	12.6	9.2	12.5	15.1	12.5	15.1	12.5	15.1	12.5	15.1	12.5	22.1	12.5	21.9	12.5	21.8	12.5	22.1	12.5	27.6	12.5	27.4	12.5	27.2	12.5	27.6	12.5	27.6	
06_M_0425_NS_W2	Weir	06_M_0425_NS	06_M_0420_NC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0425_NS_W3	Weir	06_M_0425_NS	06_M_0410_NC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_0430_LC	Channel	06_M_0430_NE	06_M_0420_NC	20.5	82.9	20.6	73.1	20.5	68.2	20.5	82.9	26.3	93.3	24.0	84.7	23.8	80.3	26.3	93.3	28.7	98.9	27.2	94.7	27.1	90.7	28.6	98.9	29.8	102.9	31.3	103.4	29.4	101.3	31.4	102.6	29.7	105.1	31.4	104.5	29.7	103.8	28.6	104.0			
06_M_0430_NE_W1	Weir	06_M_0430_NE	NML0050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	4.8	16.8	1.7	0.0	0.0	15.8	4.8	14.6	16.8	15.1	23.1	15.4	13.5	15.1	17.7	13.6	22.4	15.2	42.7	15.6	34.8	14.1	27.7	14.3	26.3	14.9	54.0	16.5	51.5	14.4	32.9			
06_M_0500_LP1	Pipe	06_M_0500_NS	06_M_0430_NE	20.6	41.5	20.6	36.7	20.0	38.8	20.5	41.5	26.4	46.6	24.0	42.4	21.9	47.3	26.4	46.6	27.3	50.3	22.1	50.2	21.0	54.4	27.2	50.3	34.6	52.1	25.4	62.4	25.7	64.0	29.9	54.7	38.8	52.0	28.3	66.2	27.7	68.9	34.2	55.0			

TABLE 2
MODEL LINK PEAK FLOW SUMMARY - EXISTING VS. PROPOSED CONDITIONS

				Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour										
				Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3				
				Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	
Model Link Name	Model Link Type	Connectivity		Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)			
06_M_0710_LO	Weir	06_M_0710_NS	06_M_0700_NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
06_M_0710_LP	Pipe	06_M_0710_NS	06_M_0700_NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
06_M_0710_NS_W1	Weir	06_M_0710_NS	06_M_1100_ND	12.3	2.5	12.3	2.5	12.3	2.5	12.3	2.5	12.3	3.8	12.3	3.8	12.3	3.8	12.2	5.2	12.2	5.2	12.2	5.2	12.2	5.2	12.2	6.8	12.2	6.8	12.2	6.8	12.2	6.8	12.2	8.0	12.2	8.0	12.2	8.0	12.2	8.0	12.2	8.0	12.2	8.0	
06_M_1000_LO	Weir	06_M_1000_NS	06_M_0600_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_1000_LP	Pipe	06_M_1000_NS	06_M_0600_NS	13.1	15.9	13.2	15.9	13.2	15.9	13.1	15.9	12.5	16.0	12.5	16.0	12.5	16.0	12.3	16.0	12.3	16.0	12.3	16.0	12.3	16.0	48.0	16.3	46.5	16.5	45.8	16.5	47.9	16.2	51.9	17.5	50.4	17.7	49.7	17.8	51.8	17.5	51.8	17.5	17.5	17.5	
06_M_1000_NS_W2	Weir	06_M_1000_NS	06_M_0525_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
06_M_1100_LO	Weir	06_M_1100_ND	06_M_1000_NS	13.0	-7.6	13.0	-7.6	13.0	-7.6	12.9	-7.6	13.1	-20.1	13.0	-19.6	13.0	-19.4	13.1	-20.1	13.0	-33.9	13.0	-33.1	13.0	-32.8	13.0	-33.9	13.0	-48.1	13.0	-47.8	13.0	-47.3	13.0	-48.1	18.5	-71.7	18.5	-72.0	18.5	-71.7	18.5	-71.7	18.5	-71.1	
06_M_2000_LP	Pipe	06_M_2000_NS	06_M_0690_NE	21.9	51.7	21.7	51.8	21.3	51.8	22.3	51.7	21.3	74.7	21.7	75.0	21.2	75.6	21.0	74.7	22.0	109.0	21.4	108.8	21.5	109.0	21.5	109.1	28.5	122.1	28.5	121.9	28.5	122.0	28.4	122.3	21.7	148.4	21.7	148.4	21.7	148.4	21.7	148.5	21.7	148.5	
06_M_2100_LO	Weir	06_M_2100_ND	06_M_2000_NS	20.7	65.9	22.5	65.9	21.3	67.5	21.8	66.3	28.1	100.3	20.9	100.0	21.2	102.6	21.9	97.2	22.6	141.6	21.3	141.9	23.0	145.6	23.0	148.6	32.7	143.8	32.6	144.9	32.6	144.6	32.9	147.3	35.0	158.7	34.8	155.7	34.9	157.7	34.8	158.6	34.8	158.6	
06_M_2200_LP	Pipe	06_M_2200_NP	06_M_2100_ND	17.4	5.8	17.4	5.8	17.4	5.8	17.4	5.8	15.4	6.2	15.4	6.2	15.4	6.2	15.4	6.2	16.5	6.8	16.5	6.8	16.5	6.8	16.5	6.8	14.8	7.3	14.8	7.3	14.8	7.3	14.8	7.3	14.2	7.6	14.2	7.6	14.2	7.6	14.2	7.6	14.2	7.6	
06_M_2200_LW	Weir	06_M_2200_NP	06_M_2100_ND	17.4	6.4	17.4	6.4	17.4	6.4	17.4	6.4	15.4	21.9	15.4	21.9	15.4	21.9	15.4	21.9	14.6	41.3	14.6	41.3	14.6	41.3	14.6	41.3	14.2	63.4	14.2	63.4	14.2	63.4	14.2	63.4	14.0	80.4	14.0	80.4	14.0	80.4	14.0	80.4	14.0	80.4	
06_M_2300_LO	Weir	06_M_2300_ND	06_M_2100_ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	102.2	14.4	102.2	14.4	102.2	14.4	102.2	13.9	200.8	13.9	200.8	13.9	200.8	13.9	200.8	13.9	200.8		
06_M_2300_LP	Pipe	06_M_2300_ND	06_M_2100_ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	3.5	19.3	3.5	19.3	3.5	19.3	3.5	16.2	34.3	16.2	34.3	16.2	34.3	16.2	34.3	14.4	44.5	14.4	44.5	14.4	44.5	14.4	44.5	13.9	50.4	13.9	50.4	13.9	50.4	13.9	50.4	13.9	50.4
06_M_2400_LP	Pipe	06_M_2400_NP	06_M_2100_ND	18.1	17.6	18.1	17.6	18.1	17.6	18.1	17.6	14.8	23.3	14.8	23.3	14.8	23.3	14.8	23.3	13.5	24.7	13.5	24.7	13.5	24.7	13.5	24.7	13.1	25.9	13.1	25.9	13.1	25.9	13.1	25.9	12.9	26.7	12.9	26.7	12.9	26.7	12.9	26.7	12.9	26.7	
06_M_2400_LW	Weir	06_M_2400_NP	06_M_2300_ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	42.9	14.8	42.9	14.8	42.9	14.8	42.9	13.5	163.8	13.5	163.8	13.5	163.8	13.5	163.8	13.1	323.0	13.1	323.0	13.1	323.0	13.1	323.0	12.9	456.4	12.9	456.4	12.9	456.4	12.9	456.4	12.9	456.4	
06_M_2500_LO	Weir	06_M_2500_ND	06_M_2100_ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	1.1	40.9	1.1	40.9	1.1	40.9	1.1	26.7	5.0	26.7	5.0	26.7	5.0	26.7	5.0	26.7	5.0		
06_M_2600_LP	Pipe	06_M_2600_NP	06_M_2500_ND	18.2	1.6	18.2	1.6	18.2	1.6	18.2	1.6	17.7	2.5	17.7	2.5	17.7	2.5	17.7	2.5	14.7	3.1	14.7	3.1	14.7	3.1	14.7	3.1	13.5	3.2	13.5	3.2	13.5	3.2	13.5	3.2	13.1	3.3	13.1	3.3	13.1	3.3	13.1	3.3	13.1	3.3	
06_M_2600_LW	Weir	06_M_2600_NP	06_M_2500_ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	4.8	14.7	4.8	14.7	4.8	14.7	4.8																			

***Mullet Lake Park Road Conceptual Drainage Alternatives Project
Final Technical Memorandum
Seminole County, Florida***

TABLE 2
MODEL LINK PEAK FLOW SUMMARY - EXISTING VS. PROPOSED CONDITIONS

Model Link Name Model Link Type Connectivity U/S NodeD/S Node				Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour								
				Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		
				Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	
NML0050_VV4	Weir	NML0050	NML0520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
NML0100_LP1	Pipe	NML0100	NML0000	13.8	29.9	13.6	40.6	13.5	39.7	13.9	33.0	13.2	32.1	13.4	45.9	13.4	45.8	14.3	42.3	12.9	32.6	12.9	46.8	12.9	46.8	13.7	48.0	12.8	32.8	12.8	47.2	12.8	47.2	13.2	48.8	12.8	33.0	12.8	47.5	12.8	47.5	13.1	49.2	
NML0100_LP2	Pipe	NML0100	NML0000	13.8	25.4	13.6	40.6	13.5	39.7	13.9	33.0	13.2	26.9	13.4	45.9	13.4	45.9	14.3	42.3	12.9	27.2	12.9	46.8	12.9	46.8	13.7	48.0	12.8	27.4	12.8	47.2	12.8	47.2	13.2	48.8	12.8	27.5	12.8	47.5	12.8	47.5	13.1	49.2	
NML0100_LP3	Pipe	NML0100	NML0000	13.8	17.4	13.6	27.0	13.5	25.6	13.9	9.7	13.2	19.6	13.4	34.6	13.4	34.6	14.3	24.9	12.9	20.0	12.9	35.8	12.9	35.8	13.7	33.9	12.8	20.2	12.8	36.3	12.8	36.3	13.2	35.0	12.8	20.4	12.8	36.7	12.8	36.7	13.1	35.6	
NML0100_WV1	Weir	NML0100	NML0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	85.4	13.4	53.7	13.4	49.1	0.0	0.0	12.9	184.5	12.9	169.3	12.9	166.6	13.7	63.3	12.8	264.8	12.8	265.4	12.8	264.4	13.2	186.2	12.8	335.5	12.8	340.0	12.8	338.4	13.1	271.0	
NML0110_LP1	Pipe	NML0110	NML0530	12.2	10.0	14.3	19.6	14.5	17.8	12.2	18.7	18.0	20.8	16.7	46.8	16.3	37.9	16.9	34.3	15.9	22.5	16.7	67.5	16.2	61.0	16.1	42.8	22.4	23.0	22.5	79.8	22.7	77.9	22.4	43.8	23.4	23.4	23.5	82.4	23.4	81.7	23.4	44.7	
NML0110_WV1	Weir	NML0110	NML0530	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	1.1	0.0	0.0	0.0	0.0	16.1	0.1	22.4	8.2	22.5	0.4	0.0	0.0	22.4	3.4	23.4	26.9	23.5	8.1	23.4	3.9	23.4	17.2	
NML0110_WV2	Weir	NML0110	NML0500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
NML0110_WV3	Weir	NML0110	NML0510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	9.5	0.0	0.0	0.0	0.0	16.1	5.5	22.4	29.5	22.5	5.1	22.7	1.0	22.4	27.0	23.4	51.5	23.5	29.3	23.4	20.9	23.4	52.0	
NML0110_WV4	Weir	NML0110	NML0050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	20.9	0.0	0.0	0.0	0.0	0.0	0.0	17.1	49.2	16.2	-2.0	0.0	0.0	16.1	25.3	23.0	79.5	22.7	24.2	22.7	24.7	23.6	55.4	25.0	100.8	24.1	51.3	24.1	54.8	25.1	78.6	
NML0120_WV1	Weir	NML0120	NML0530	12.2	8.4	12.2	8.4	12.2	8.4	12.2	8.4	12.1	12.3	12.1	12.3	12.1	12.3	12.1	12.3	12.1	13.7	12.1	13.7	12.1	13.7	12.1	13.7	12.1	15.0	12.1	15.0	12.1	15.0	12.1	15.0	12.1	16.0	12.1	16.0	12.1	16.0	12.1	16.0	
NML0120_WV2	Weir	NML0120	NML0500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
NML0150_WV1	Weir	NML0150	NML0300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0150_WV2	Weir	NML0150	NML0100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.3	16.5	0.3	16.5	0.3	16.5	0.3	14.0	4.2	14.0	4.2	14.0	4.2	14.0	4.2	13.3	13.7	13.3	13.7	13.3	13.7	13.7	13.3	13.7	13.0	23.8	13.0	23.8	13.0	23.8	13.0	23.8
NML0150_WV3	Weir	NML0150	NML0410	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0150_WV4	Weir	NML0150	NML0530	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0200_LP1	Pipe	NML0200	NML0000	12.7	28.7	12.6	28.7	12.6	28.7	12.7	28.7	13.0	30.0	13.0	30.0	13.0	30.0	13.0	30.0	13.3	31.8	13.2	31.8	13.3	31.7	13.4	31.9	12.9	33.5	12.9	33.4	12.9	33.5	13.0	33.5	12.7	34.4	12.7	34.3	12.8	34.4	12.8	34.5	
NML0200_WV1	Weir	NML0200	NML0000	12.7	43.5	12.7	43.5	12.7	43.5	12.7	43.5	14.4	86.1	13.0	82.0	13.0	82.0	14.4	84.4	13.9	179.1	13.9	177.2	14.0	170.3	13.9	176.7	13.3	286.2	13.4	285.4	13.5	280.3	13.4	283.9	13.0	379.0	13.0	378.4	13.1	373.1	13.0	376.1	
NML0200_WV2	Weir	NML0200	MULLET_LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0210_LP1	Pipe	NML0210	NML0200	14.5	10.1	14.3	10.1	14.2	10.1	14.5	10.1	14.4	10.6	14.4	10.5	14.5	10.5	14.4	10.6	14.1	10.8	14.1	10.8	14.1	10.8	13.7	11.1	13.7	11.1	13.7	11.1	13.8	11.0	13.7	11.1	13.3	11.2	13.4	11.2	13.4	11.2	13.3	11.2	
NML0210_LP2	Pipe	NML0210	MULLET_LAKE	14.5	1.5	14.4	1.5	14.2	1.5	14.6	1.5	14.5	1.8	14.5	1.8	14.4	1.8	14.4	1.8	14.1	2.0	14.2	2.0	14.1	2.0	14.0	2.0	13.7	2.1	13.7	2.1	13.7	2.1	13.8	2.1	13.4	2.2	13.3	2.2	13.3	2.2	13.4	2.2	
NML0210_WV1	Weir	NML0210	NML0200	14.4	13.2	14.3	12.9	14.2	12.7	14.4	13.2	14.4	69.2	14.5	62.9	14.5	57.8	14.4	69.2	14.1	133.5	14.1	131.2	14.1	127.0	14.1	133.5	13.7	206.3	13.7	206.1	13.7	203.7	13.7	206.3	13.3	259.5	13.4	259.3	13.4	257.4	13.3	259.3	
NML0210_WV2	Weir	NML0210	MULLET_LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0220_LP1	Pipe	NML0220	NML0210	15.0	6.9	14.7	6.5	14.6	6.2	15.0	6.9	14.3	8.0	14.3	7.9	14.3	7.9	14.3	8.0	14.1	8.5	14.2	8.5	14.2	8.5	14.1	8.5	13.9	8.8	13.9	8.8	13.9	8.8	13.9	8.8	13.6	8.9	13.6	8.9	13.6	8.9	13.6	8.9	
NML0220_WV1	Weir	NML0220	06_M_0240_NS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0220_WV2	Weir	NML0220	NML0210	15.0	3.9	14.7	1.3	14.7	0.4	15.0	3.9	14.3	52.6	14.3	46.4	14.4	41.3	14.3	52.6	14.1	102.0	14.1	100.8	14.2	96.9	14.1	102.0	13.9	153.4	13.9	153.7	13.9	152.0	13.9	153.1	13.6	179.2	13.6	179.0	13.6	177.8	13.6	178.2	
NML0220_WV3	Weir	NML0220	NML0200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0220_WV4	Weir	NML0220	MULLET_LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NML0300_LP1	Pipe	NML0300	NML0000	12.9	18.1	12.9	18.1	12.9	18.1	12.9	18.1	13.0	22.8	13.0	22.8	13.0	22.8	13.0	22.8	12.7	24.9	12.7	24.9	12.7	24.9	12.7	24.9	12.5	25.7	12.5	25.7	12.5	25.7	12.5	25.7	12.4	26.1	12.4	26.1	12.4	26.1	12.4	26.1	
NML0300_LP2	Pipe	NML0300	NML0100	12.9	0.2	12.9	0.2	12.9	0.2	12.9	0.2	13.0	2.5	13.0	2.5	13.0	2.5	13.0	2.5	12.7	3.7	12.7	3.7	12.7	3.7	12.7	3.7	12.5	4.1	12.5	4.1	12.5	4.1	12.5	4.1	12.4	4.3	12.4	4.3	12.4	4.3	12.4	4.3	
NML0300_WV1	Weir	NML0300	NML0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.1	13.0	0.1	13.0	0.1	13.0	0.1	1																								

TABLE 2
MODEL LINK PEAK FLOW SUMMARY - EXISTING VS. PROPOSED CONDITIONS

				Mean Annual / 24 Hour								10-Year / 24-Hour								25-Year / 24-Hour								50-Year / 24-Hour								100-Year / 24-Hour							
				Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3		Existing Conditions		Alternative 1		Alternative 2		Alternative 3	
Model Link Name	Model Link Type	Connectivity		Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)	Time (hrs)	Peak Flow (cfs)
		U/S Node	D/S Node																																								
NML0530_LP3	Pipe	NML0530	NML0100	13.0	23.5	13.1	89.3	13.1	85.2	12.7	43.2	12.9	24.1	13.0	99.0	13.0	98.6	12.9	45.6	12.8	24.7	12.9	104.3	12.8	104.2	12.8	47.6	12.8	25.0	12.8	107.4	12.8	107.4	12.8	48.7	12.8	25.2	12.8	109.0	12.8	108.9	12.8	49.3
NML0530_W1	Weir	NML0530	NML0100	13.0	48.8	13.1	3.5	13.1	0.5	12.7	34.5	12.9	100.5	13.0	49.7	13.0	46.7	12.9	85.3	12.8	156.9	12.9	114.3	12.8	112.0	12.8	148.6	12.8	198.9	12.8	168.9	12.8	168.6	12.8	194.2	12.8	227.8	12.8	201.8	12.8	201.0	12.8	224.2
NML0530_W2	Weir	NML0530	NML0520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	6.9	0.0	0.0	0.0	0.0	12.8	4.3	12.8	23.7	12.8	11.1	12.8	11.0	12.8	21.6	12.8	37.3	12.8	25.0	12.8	24.6	12.8	35.6

BLACK TEXT - PEAK FLOW IS EQUAL TO EXISTING CONDITIONS FOR ALTERNATIVE CONDITIONS.
BOLD RED TEXT - ALTERNATIVE CONDITIONS PEAK FLOW IS GREATER COMPARED TO EXISTING CONDITIONS.
BOLD GREEN TEXT - ALTERNATIVE CONDITIONS PEAK FLOW IS LOWER COMPARED TO EXISTING CONDITIONS.
BLUE TEXT INDICATES RESULTING FLOW EQUALS ZERO.
* -- " INDICATES THAT THE PARTICULAR MODEL LINK WAS NOT PRESENT UNDER EXISTING AND/OR ALTERNATIVE CONDITIONS.

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Final Technical Memorandum
Seminole County, Florida

Table 3 - Boundary Discharge Volume Comparison												
Design Storm	Existing Boundary Inflow Vol. (acft)			Alt. 1 Boundary Inflow Vol. (acft)			Alt. 2 Boundary Inflow Vol. (acft)			Alt. 3 Boundary Inflow Vol. (acft)		
	06_M_0100_NT	MULLET_LAKE	Total	06_M_0100_NT	MULLET_LAKE	Total	06_M_0100_NT	MULLET_LAKE	Total	06_M_0100_NT	MULLET_LAKE	Total
Mean Annual	232.2	240.0	472.3	223.1	249.3	472.4	217.1	255.3	472.4	232.2	240.0	472.3
10-Year / 24-Hour	308.6	417.6	726.2	297.5	428.7	726.2	289.4	436.8	726.2	308.6	417.6	726.2
25-Year / 24-Hour	374.9	648.8	1023.8	365.0	658.8	1023.9	356.0	667.8	1023.9	374.6	649.2	1023.8
50-Year / 24-Hour	462.8	964.5	1427.2	451.9	975.3	1427.3	442.3	985.0	1427.3	461.4	965.8	1427.2
100-Year / 24-Hour	515.7	1238.7	1754.4	504.6	1249.9	1754.5	494.8	1259.7	1754.5	514.4	1240.0	1754.4

EXHIBITS

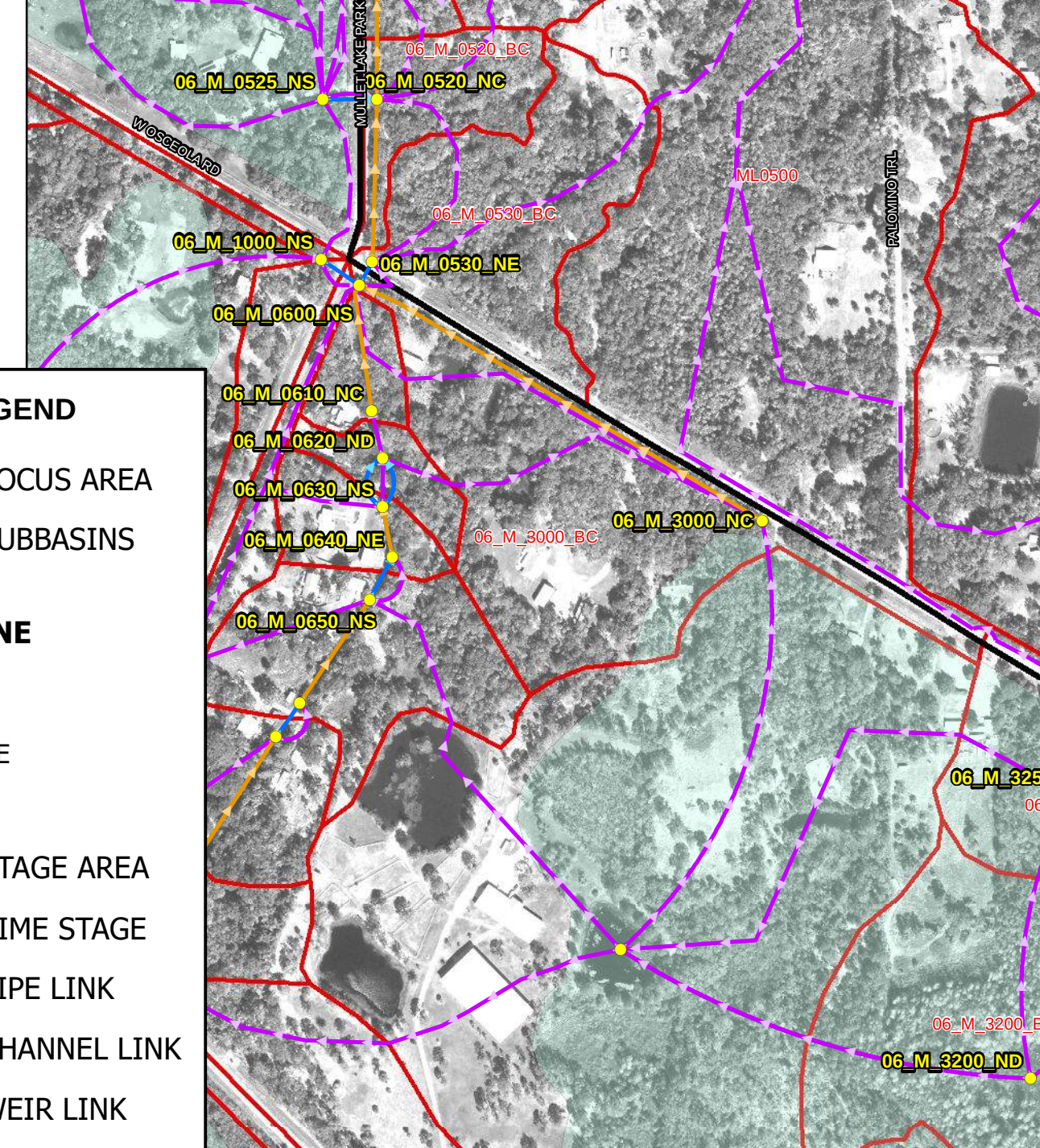
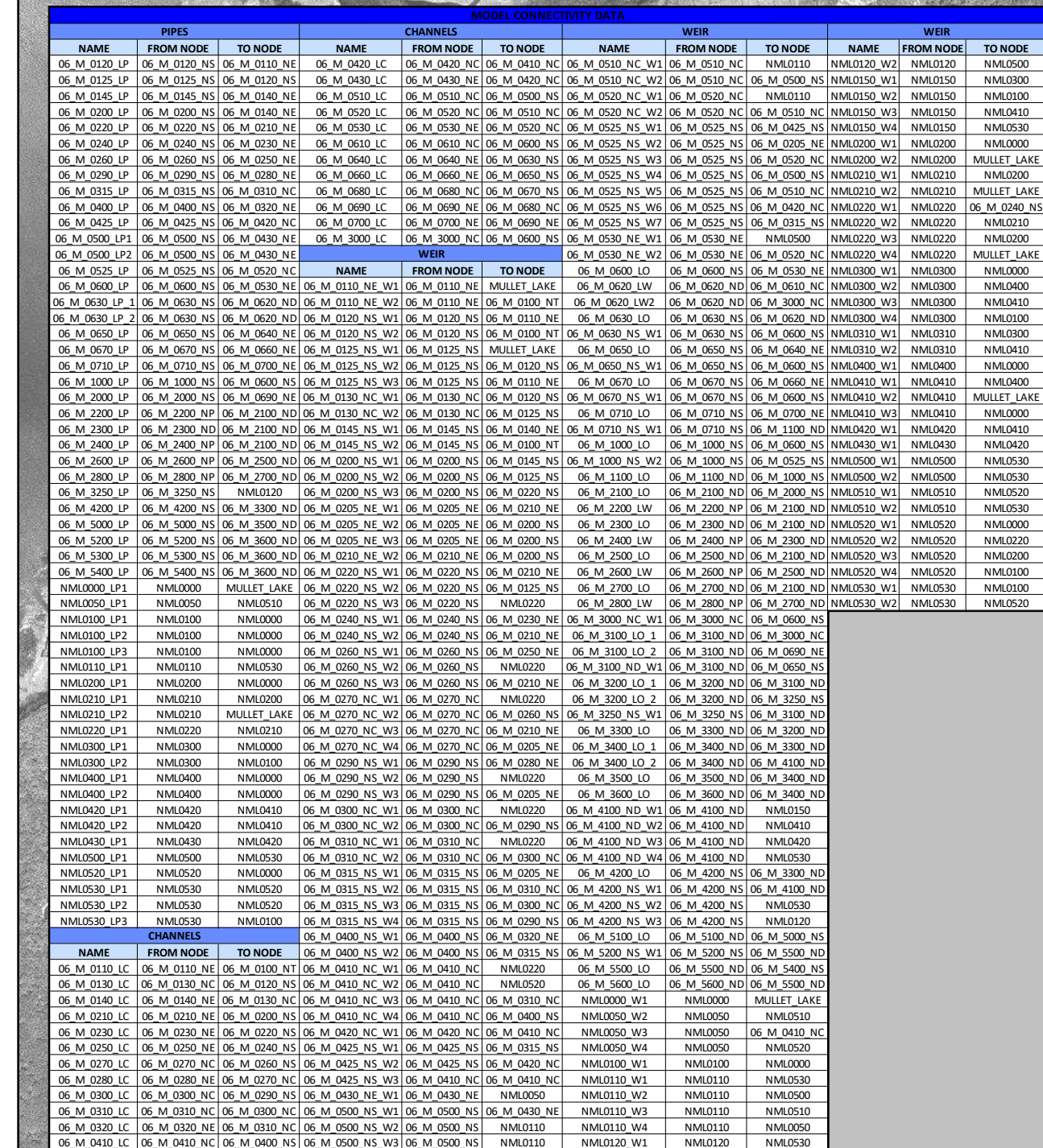
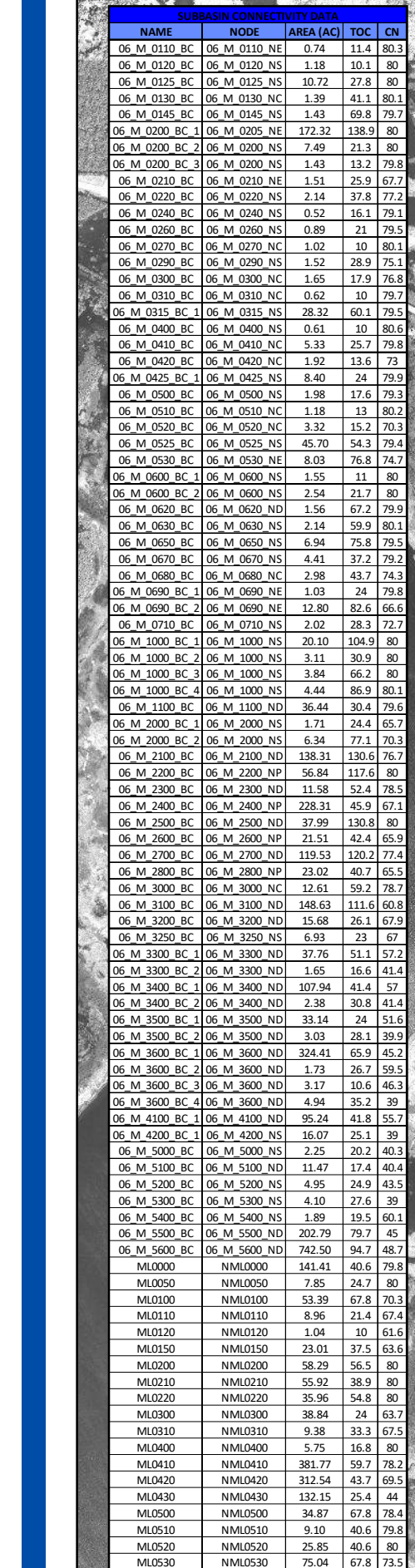


**EXHIBIT 1
EXISTING CONDITIONS
MODEL NETWORK MAP**



APPENDIX A

COMPLAINT LOGS



Streets/Transportation Work Order

Page 1 of 1

9/9/2019

Road District 2

Created By SBROWN02



W/O # TR00014433

Mgmt Unit: 00001122

Activity 9899

Priority 21

CUSTOMER SERVICE DOCUMENTA

Issued 09/12/17 18:01

Due Date 09/12/17 18:01

Assign to 101640

Inspected By

Closed 09/15/17 12:54

W/O Type 17

GRIEVE, DEREK

Account No: 1010

District 2

Dept

Customer Information

First Name MICHELLE

Last Name BERNSTEIN

Cell: 407-467-4696-

Home: - - -

2075 RETREAT RD

GENEVA,

Problem Address ☐

Same as Customer Address

1480 MULLET LAKE PA

GENEVA,

48 Hr Callback ☐Claim Filed ☐City Problem ☐Customer Problem ☐

Task Descr/Complaint: ID#2364. Mullet Lake Park Rd at Retreat Rd. Michelle said there is at least 100 feet of debris including tires blocking off the ditch drainage so that it is holding at least 4 feet of water on Retreat Rd where emergency vehicles and others are not able to drive through it.

Action Taken:

9/12/17 6:08pm. per derek Grieve, we found a koi fish pool/tub stopping up the culvert along with some wood. I left a vm for our resident advising we took care of this.sbrown

Print Name _____

Signature _____ Date ____/____/____



Road District 2

Created By TWELTY



W/O # TR00019152

Mgmt Unit: 00001122

Activity 940

Priority 12

HERBICIDE TREATMENT ASSESSM

Issued 09/07/18 08:00

Due Date 09/07/18 08:00

Assign to 101640

Inspected By 102628

Closed 09/19/18 13:57

W/O Type 12

GRIEVE, DEREK

BOYD, JOELY

Account No: C21

District 2

Dept CSERV

Customer Information

First Name SILK

Last Name

Cell: 407-349-9522-

Home: - - -

1900 RETREAT RD

GENEVA,

Problem Address



Same as Customer Address

1480 MULLET LAKE PA

GENEVA,

48 Hr Callback ☒

Claim Filed ☐

City Problem ☐

Customer Problem ☐

Task Descr/Complaint:

Mullet Lake Park Rd. Near Retreat Rd. Resident is asking for the ditches be cleaned out. He said they are full of grass, weeds and trash. He stated Retreat Rd costed them a lot of money after Irma due to the blocked ditches on Mullet Lake Rd. and he can't afford doing that again.

Action Taken:

9-10-18 Inspected location. The ditches along this section are not blocked. Water is flowing through the ditch at a fast speed. There is a few sections where debris is built up. I will have a crew remove the debris at the locations. I will also create a work order for herbicide to spray vegetation along this entire ditch. I left a message for the resident at 2:10PM stating such. Joely Boyd

9-19-19 This area has been sprayed by herbicide and all debris has been removed from the culverts. I talked with Phil during a different project and he explained the issues they had. I small plastic pool got lodged into on the culverts at the end of the ditches run which held back all the water during Irma. I told him we are keeping our eyes on all ditches during the Hurricane season. Also we can not prevent someones personal property from flying around during a strong weather event. I inspected the ditch again today and it is still flowing properly and the weeds are dying from the spray. Work request complete. Joely Boyd

Seq	Asset Type	Generic Type	Asset Id	Asset Descr	Rating	Cst Shr	%	Block #	Street / Cross Street / City, State Zip
1	SEGMENT		1115		.00	1.00	16.67	2	MULLET LAKE PARK RD / BASS BLVD / GE
2	SEGMENT		1209		.00	1.00	16.67	2	SNAPDRAGON WAY / PERCH CT / GENEVA
3	SEGMENT		18134		.00	1.00	16.67	2	MULLET LAKE RETREAT RD / W OSCEOLA
4	SEGMENT		18135		.00	1.00	16.67	2	BLUE FISH PL / MULLET LAKE RETREAT RI
5	SEGMENT		20831		.00	1.00	16.67	2	DARIEN CT / DINERO DR / WINTER SPRING
6	SEGMENT		9903		.00	1.00	16.67	2	PERCH CT / MULLET LAKE PARK RD / GE

Print Name _____

Signature _____ Date ____/____/____



Road District 2

Created By TWELTY

 W/O # TR00019783	Mgmt Unit: 00001122	Activity 1202 MECH CLEAN OUTFALL DITCH -HAL	Priority 12
Issued 10/30/18 08:05	Due Date 10/30/18 08:05	Assign to 101640 GRIEVE, DEREK	Inspected By 101640 GRIEVE, DEREK
Closed 11/05/18 07:48	W/O Type 12		

Account No: C21

District 2

Dept CSERV

Customer Information

First Name BRYAN

Last Name DRYER

Cell: 321-947-2459-

Home: - - -

Problem Address ☐ Same as Customer Address

1250 MULLET LAKE PA GENEVA,

48 Hr Callback ☒

Claim Filed ☐

City Problem ☐

Customer Problem ☐

Task Descr/Complaint: Retreat Rd and Mullet Lake Park Rd. Resident was cleaning his side of the property by the ditch and saw a lot of eroding and trash in the ditches that need cleaned out. He would like to have it inspected and updated once you have been out. He stated if you have any questions please call. Bryan Dryer 321-947-2459

Action Taken:

10-31-2018 I inspected the area and found some trash and garbage in the ditch that needs to be cleaned out. Also the north side of the intersection the bank needs to be built up. I called and spoke to Mr. Dryer regarding these issues. I told him that we will schedule to have these concerns taking care of ASAP. Derek Grieve

11-5-18 District crew went out on 11-2-18 to clean areas of ditch and repair the bank around the culverts. Work request complete. Joely Boyd

<u>Seq</u>	<u>Asset Type</u>	<u>Generic Type</u>	<u>Asset Id</u>	<u>Asset Descr</u>	<u>Rating</u>	<u>Cst Shr</u>	<u>%</u>	<u>Block #</u>	<u>Street / Cross Street / City, State Zip</u>
1	SEGMENT		18135		.00	1.00	100.00	2	BLUE FISH PL / MULLET LAKE RETREAT RI

Print Name _____

Signature _____ Date ____/____/____



Road District 2

Created By KBINGHAM-DAVIS

 W/O # TR00021392	Mgmt Unit: 00001122	Activity 1149 MECHANICAL DEBRIS REMOVAL	Priority 12
Issued 04/15/19 12:31	Due Date 04/15/19 12:31	Assign to 101640 GRIEVE, DEREK	Inspected By 102628 BOYD, JOELY
Closed 07/03/19 15:29	W/O Type 12		

Account No: C21

District 2

Dept CSERV

Customer Information

First Name BRIAN	Last Name DREYER	Cell: 321-947-2459-	Home: - - -
2300 RETREAT RD GENEVA,			
Problem Address ☐	Same as Customer Address		
1250 MULLET LAKE PA GENEVA,			

48 Hr Callback ☒

Claim Filed ☐

City Problem ☐

Customer Problem ☐

Task Descr/Complaint: Mullet Lake Park Rd near Retreat Rd Geneva, trees and debris blocking ditch from flowing. Brian Dreyer 2300 Retreat Rd contact # 321-947-2459.

Action Taken: 4-16-19 Crew went out and removed debris, using the dump truck and Gradall. Away from driveway pipe ends starting Retreat RD to where the cross over pipe. Ezekiel Seymour

6/27/19 Reopen work order for Joely Boyd. Orig completion date 4/17/19. 07:13.K B-Davis

7/1/19 Crew removed trees and debris from the ditch to complete work order. Mark Sevigny

<u>Seq</u>	<u>Asset Type</u>	<u>Generic Type</u>	<u>Asset Id</u>	<u>Asset Descr</u>	<u>Rating</u>	<u>Cst Shr</u>	<u>%</u>	<u>Block #</u>	<u>Street / Cross Street / City,State Zip</u>
1	SEGMENT		1209		.00	1.00	25.00	2	SNAPDRAGON WAY / PERCH CT / GENEVA
2	SEGMENT		18134		.00	1.00	25.00	2	MULLET LAKE RETREAT RD / W OSCEOLA
3	SEGMENT		18135		.00	1.00	25.00	2	BLUE FISH PL / MULLET LAKE RETREAT RD
4	SEGMENT		9903		.00	1.00	25.00	2	PERCH CT / MULLET LAKE PARK RD / GE

Print Name _____

Signature _____ Date ____/____/____



Seminole County

WORK REQUEST

Request No. **0000115622** Issued **8/26/2008** Priority _____ Requested **8/26/2008** Time **11:53** **AM**
 Requested By **VHATHAWAY** Mgmt Unit **00001125 - Road District 5** Status **Closed**
 Phone **407-349-9958** Activity **-** Due Date **8/26/2008** Closed **8/26/2008**

Name **MICHELLE BERSTIEN**Phone H: **407-467-4696**Address **2075 RETREAT RD GENEVA, FL 32732**

W:

Complaint

resident called commissioner carey's office , 2075 retreat rd. street flooded due to ditch overflowing on mullet lake.

Location **PRI0067** **RETREAT RD** Approved by _____ District **5**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **0808-A**

Work Performed

Completed By

W/O Task

jim beach called back,, the culvert was not clogged, eddie and matt phillips inspected. jim told resident 4:08pm she has a meeting set up with commissioner carey. ... private road.

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000179468** Issued **10/10/2011** Priority **12 - ROUTINE** Requested **10/10/2011** Time **15:01** **PM**
 Requested By **SBROWN** Mgmt Unit **00001127 - Maintenance Asphalt Drain** Status **Closed**
 Phone **407-349-9958** Activity **1201 - MECH CLEAN ROADSIDE DITCH** Due Date **10/10/2011** Closed **10/21/2011**

Name **MICHELLE BERSTIEN**Phone H: **407-467-4696**Address **2075 RETREAT RD GENEVA, FL 32732**

W:

Complaint

internet request from resident (no return email) reporting Mullet Lake Park Road and Retreat Road. LOTS of debris in ditch - clogged stormwater pipe - FLOODING occurred due to water not able to pass through fast enough .sb

Location **RP9325** **MULLET LAKE PARK RD** Approved by **RDW** District **5**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **C54**

Work Performed

Completed By

W/O Task

I called the resident but no one answered, I left a message letting them know that we have received their work request and that we will have someone come and check it out and see what we can do. Darrell L. White 10-12-11.....

Terry Runion checked this out and the area will need to be located before work can be done. Darrell L. White 10/14/11...

Job was completed on 10/17/11 by Terry Runion and the crew. Darrell L. White 10/21/11.....

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000195799** Issued **8/9/2012** Priority **12 - ROUTINE** Requested **8/9/2012** Time **16:19 PM**
 Requested By **SBROWN** Mgmt Unit **00001127 - Maintenance Asphalt Drain** Status **Closed**
 Phone **407-467-4696** Activity **1149 - MECHANICAL DEBRIS REMOVAL** Due Date **8/9/2012** Closed **9/20/2012**

Name **MICHELLE BERSTIEN**Phone H: **407-467-4696**Address **2075 RETREAT RD GENEVA, FL 32732**

W:

Complaint

Mullet lake park rd at Retreat Road.(duplicate request from today's date) internet request from resident/ no return email reporting :The stormdrains/main ditch needs to be cleaned out at the corner of Retreat Road and MLPR- Water is backing up and cannot flow down to Mullet Lake Park outfall (river) - need help ASAP

8/20/12 - Michelle called requesting an update to the workorder. Information will be forwarded to Roy. SHarless

Location **RP9325** **MULLET LAKE PARK RD** Approved by **RDW** District **2**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **C54**

Work Performed

Completed By

W/O Task

I called the resident to let them know that we received their work request, and that someone will be out there today to remove the debris from in front of the pipe and out of the ditch. Darrell L. White 08-21-12.....

8/21/12 Crew was out yesterday and removed debris from in front of the pipes and out of the ditch. Darrell L. White.....

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000003892** Issued **7/2/2002** Priority _____ Requested **7/2/2002** Time **08:43** **AM**
 Requested By **CGREINER** Mgmt Unit **00001125 - Road District 5** Status **Closed**
 Phone **407-349-9852** Activity **9910 - ROAD OPERATIONS EMERGENC** Due Date **7/2/2002** Closed **7/3/2002**

Name **CECIL CREWS**Phone H: **407-349-9852**Address **1179 RETREAT RD GENEVA, FL 32732**

W:

Complaint

THE DRAINAGE DITCH ON MULLET LAKE PARK RD IS FLOODED AND ALL THE WATER IS GOING ONTO RETREAT RD.

Location **RP9325** **MULLET LAKE PARK RD** Approved by _____ District **5**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **0005**

Work Performed

Completed By

W/O Task

road is underwater. fix when water goes down asper mark

filled in road 450 c-yd pipe rock

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000045285** Issued **9/8/2004** Priority _____ Requested **9/8/2004** Time **13:44** **PM**
Requested By **SBROWN** Mgmt Unit **00001125 - Road District 5** Status **Closed**
Phone **321-288-1964** Activity _____ Due Date **9/8/2004** Closed **9/17/2004**

Name **GWINN STAATS**Phone H: **321-288-1964**Address **1450 BLUE FISH PL GENEVA, FL 32732**

W:

Complaint

on mullet lake park rd. (2 private streets are being heavily flooded due to possible water runoff from our street) if we can pls inspect and advise who's responsibility etc....

** mullet lake retreat rd & blue fish pl **** are affected.

Location **RP9325** **MULLET LAKE PARK RD** Approved by _____ District **5**
Crew **PHONE** Inspector _____ Est. Qty **0** Job No. **0904B**

Work Performed

Completed By

W/O Task

this is a private road - no action taken

Completion Date: ____ / ____ / ____ Time: ____ : ____ Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000057536** Issued **3/28/2005** Priority _____ Requested **3/28/2005** Time **11:45** **AM**
Requested By **VHATHAWAY** Mgmt Unit **00001125 - Road District 5** Status **Closed**
Phone **407-469-4696** Activity **9960 - SITE INSPECTION/WORK ID** Due Date **3/28/2005** Closed **4/4/2005**

Name **MICHELLE BERSTEIN**Phone H: **407-469-4696**Address **RETREAT RD GENEVA, FL**

W:

Complaint

Location of Request Work: Corner of Mullet Lake Park Road and Osceola & Retreat Road
Service Requested: Erosion control of seminole county drainage ditch
easement NEEDED BADLY

Location **RP9325** **MULLET LAKE PARK RD** Approved by _____ District **5**
Crew **PHONE** Inspector _____ Est. Qty **0** Job No. _____

Work Performed

Completed By

W/O Task

STUDIES BY INNWOOD ENGINEERING FIRM IS BEING MADE, TO IMPROVE DRAINAGE. EDDIE HAS SPOKEN WITH THE HOME OWNER.

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000063048** Issued **7/7/2005** Priority _____ Requested **7/7/2005** Time **14:50** **PM**
Requested By **VHATHAWAY** Mgmt Unit **00001125 - Road District 5** Status **Closed**
Phone **407-349-5497** Activity **9960 - SITE INSPECTION/WORK ID** Due Date **7/7/2005** Closed **8/3/2005**

Name **SHIRLEY HOLTON**Phone H: **407-349-5497**Address **2200 RETREAT RD GENEVA, FL 32732**

W: _____

Complaint

called to see if we can install some berm along the ditch line to keep the water from flooding over onto Retreat Rd.

Location **RP9325** **MULLET LAKE PARK RD** Approved by _____ District **5**
Crew _____ Inspector _____ Est. Qty **0** Job No. _____

Work Performed _____

Completed By _____

W/O Task

There is no problem with water running from ditch onto retreat rd.

Completion Date: ____ / ____ / ____ Time: ____ : ____ Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000195784** Issued **8/9/2012** Priority **12 - ROUTINE** Requested **8/9/2012** Time **14:05** **PM**
 Requested By **SBROWN** Mgmt Unit **00001127 - Maintenance Asphalt Drain** Status **Closed**
 Phone **407-349-9522** Activity **1149 - MECHANICAL DEBRIS REMOVAL** Due Date **8/9/2012** Closed **9/20/2012**

Name **PHILLIP RIEBEL**Phone H: **407-349-9522**Address **1900 RETREAT RD GENEVA, FL 32732**

W:

Complaint

where mullet lake park rd meets retreat rd. resident reporting we have a large blockage along our culvert pipe which will cause water to flood their properties.sb

Location **RP9325** **MULLET LAKE PARK RD** Approved by **RDW** District **2**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **C54**

Work Performed

Completed By

W/O Task

I called the resident to let them know that we received their work request, and that someone will be out there today to remove the debris from in front of the pipe and out of the ditch. Darrell L. White 08-21-12.....

8/21/12 Crew was out yesterday and removed debris from in front of the pipes and out of the ditch. Darrell L. White.....

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000044665** Issued **9/2/2004** Priority _____ Requested **9/2/2004** Time **11:29** **AM**
Requested By **SNOWAK** Mgmt Unit **00001125 - Road District 5** Status **Closed**
Phone **407-349-9875** Activity _____ Due Date **9/2/2004** Closed **9/17/2004**

Name **DAVID MURRAY**Phone H: **407-349-9875**Address **1225 RETREAT RD GENEVA, FL**

W:

Complaint

1225 retreat rd near mullet lake park rd canal in the area is blocked with debris and is flooding entire area. the area is flood prone already and debris is making it worse. entire roads are under water. residents at 1475 and 1179 retreat rd have also called in about this problem

Location **PRI0067** **RETREAT RD** Approved by _____ District **5**
Crew _____ Inspector _____ Est. Qty **0** Job No. **0804**

Work Performed

Completed By

W/O Task

1225 retreat rd near mullet lake park rd canal in the area is blocked with debris and is flooding entire area. the area is flood prone already and debris is making it worse. entire roads are under water. residents at 1475 and 1179 retreat rd have also called in about this problem
this is a private road

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000044897** Issued **9/7/2004** Priority _____ Requested **9/7/2004** Time **12:15** **PM**
 Requested By **SNOWAK** Mgmt Unit **00001125 - Road District 5** Status **Closed**
 Phone **407-665-7623** Activity **9910 - ROAD OPERATIONS EMERGENC** Due Date **9/7/2004** Closed **9/17/2004**

Name **EOC**Phone H: **407-665-7623**Address **HURRICANE CHARLEY SANFORD, FL**

W:

Complaint

retreat rd in geneva entire 2 miles of roadway is underwater - handicapped people live on this road

Location **PRI0067** **RETREAT RD** Approved by _____ District **5**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **0904B**

Work Performed

Completed By

W/O Task

retreat rd in geneva entire 2 miles of roadway is underwater - handicapped people live on this road
 this is a private road

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000045162** Issued **9/8/2004** Priority _____ Requested **9/8/2004** Time **09:45** **AM**
 Requested By **VHATHAWAY** Mgmt Unit **00001125 - Road District 5** Status **Closed**
 Phone **407-469-4696** Activity **9910 - ROAD OPERATIONS EMERGENC** Due Date **9/8/2004** Closed **9/8/2004**

Name **MICHELLE BERSTEIN**Phone H: **407-469-4696**Address **RETREAT RD GENEVA, FL**

W:

Complaint

resident called to report that the ditch is flooding the roadway and is about 3ft deep. Told her that if she is in a low laying area for now she may need to relocate temp. We do have work orders in the system for this location. Gave her Mark's number to speak with.

Location **PRI0067** **RETREAT RD** Approved by _____ District **5**
 Crew _____ Inspector _____ Est. Qty **0** Job No. **0904B**

Work Performed

Completed By

W/O Task

waiting on water to recede crew # 61 private road

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000049010** Issued **10/20/2004** Priority _____ Requested **10/20/2004** Time **14:49** **PM**
Requested By **VHATHAWAY** Mgmt Unit **00001122 - Road District 2** Status **Closed**
Phone **407-349-0043** Activity _____ Due Date **10/20/2004** Closed **10/20/2004**

Name **CHERYL RAMERIZ**Phone H: **407-349-0043**Address **1620 BANDIT WAY GENEVA, FL**

W:

Complaint

resident called to see what can be done about the amount of water on the roadway. Her Jimmy pickup is up to it's hood with the water people getting stuck.

Location **PRI0067** **RETREAT RD** Approved by _____ District **2**
Crew _____ Inspector _____ Est. Qty **0** Job No. _____

Work Performed

Completed By

W/O Task

Informed her that it is private and we are not allowed to go on to it by law. Asked her to check with F.E.M.A.

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000049373** Issued **10/28/2004** Priority _____ Requested **10/28/2004** Time **07:51** **AM**
Requested By **SBROWN** Mgmt Unit **00001125 - Road District 5** Status **Closed**
Phone **407-665-5637** Activity _____ Due Date **10/28/2004** Closed **10/28/2004**

Name **EDDIE DAVIS**Phone H: **407-665-5637**Address **149 BUSH LOOP SANFORD, FL 32773**

W:

Complaint

10/26/04 county commissioners approved filling in roadway that was under water due to hurricanes.

Location **PRI0067** **RETREAT RD** Approved by _____ District **5**
Crew _____ Inspector _____ Est. Qty **0** Job No. _____

Work Performed

Completed By

W/O Task

materials used: 90 tons pipe rock = 7 trk loads
15 tons road base. crew #61 , kenny woelagale and flagging crew assisted.

Completion Date: / / Time: : Approved By: _____

Seminole County

WORK REQUEST

Request No. **0000116027** Issued **8/29/2008** Priority _____ Requested **8/29/2008** Time **11:18** **AM**
Requested By **VHATHAWAY** Mgmt Unit **0000112 - Road Operations** Status **Closed**
Phone **407-665-7623** Activity **9899 - CUSTOMER SERVICE DOCUMEI** Due Date **8/29/2008** Closed **8/29/2008**

Name **EOC**Phone H: **407-665-7623**Address **HURRICANE CHARLEY SANFORD, FL**

W:

Complaint

water off of Mullet Lake near SR46 project over filled the ditch and flooded Retreat Rd.

Location **PRI0067** **RETREAT RD** Approved by _____ District **5**
Crew **INPERSON** Inspector _____ Est. Qty **0** Job No. **0808-A**

Work Performed

Completed By

W/O Task

Michelle of Geneva has a meeting with Comm Carey ref this issue and is contacting Steve Homan PIO for DOT.

Completion Date: / / Time: : Approved By: _____

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

(Photos included with Electronic Deliverables)



Photo 1: View of Retreat Road facing west towards MLPR taken in 2011.

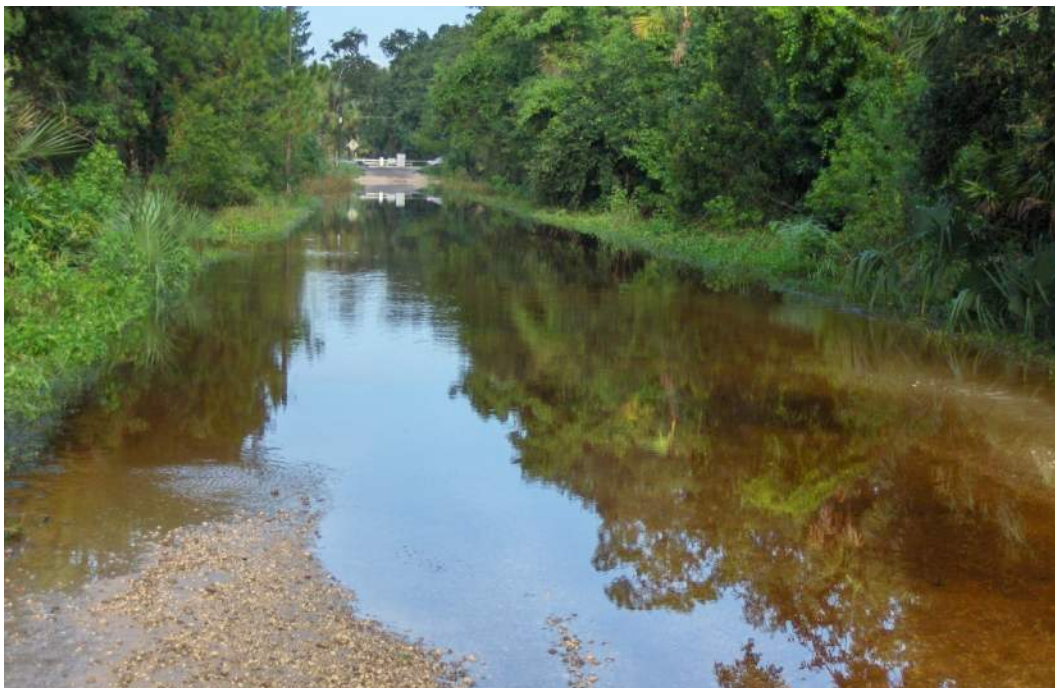


Photo 2: View of Retreat Road facing west towards MLPR taken in 2011.



Photo 3: View a 24" CMP crossdrain along Retreat Road taken in September 9, 2019.



Photo 4: View a 24" RCP crossdrain along Retreat Road taken in September 9, 2019.



Photo 5: View of ditch along MLPR facing south taken in September 9, 2019.



Photo 6: View of Retreat Road facing east taken in September 9, 2019.



Photo 7: View of 15" CMP crossdrain along Retreat Road facing north. Pipe to be replaced in-kind taken in September 9, 2019.



Photo 8: View of sidedrain along the south side of Retreat Road facing west towards MLPR taken in September 9, 2019.



Photo 9: View of triple pipe sidedrain along the south side of Retreat Road taken in September 9, 2019.

For further photographic documentations, please refer to the Electronic Deliverables DVD.

APPENDIX C

MODEL PARAMETERS

CURVE NUMBER DATA SUMMARY

TABLE C-1
EXISTING & ALTERNATIVE CONDITIONS
CURVE NUMBER CALCULATION SUMMARY

SUBBASIN NAME	SUBBASIN AREA (ACRES)	% DCIA	SUBBASIN AREA LESS DCIA	LAND USE CODE	LAND USE*	SOIL HYDRO GROUP	SUBBASIN TO LANDUSE TO SOIL INTERSECTED AREA (AC)	Pervious Area	CN REFERENCE VALUE**	CN RATIO	WEIGHTED CN***
06_M_0110_BC	0.74	3.9%	0.71	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.009	YES	80.0	1.013	80.3
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.656	YES	80.0	73.812	
				4340	HARDWOOD CONIFER MIXED	A/D	0.049	YES	80.0	5.513	
06_M_0120_BC	1.18	6.9%	1.10	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.098	YES	80.0	80.000	80.0
06_M_0125_BC	10.72	2.2%	10.49	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	9.521	YES	80.0	72.631	80.0
				6300	WETLAND FORESTED MIXED	A/D	0.963	YES	80.0	7.346	
06_M_0130_BC	1.39	5.5%	1.31	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.315	YES	80.0	80.122	80.1
06_M_0145_BC	1.43	0.0%	1.43	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.899	YES	80.0	50.294	79.7
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.526	YES	80.0	29.427	
06_M_0200_BC_1	172.32	0.1%	172.20	3200	SHRUB AND BRUSH RANGELAND	B/D	0.365	YES	80.0	0.170	80.0
				4110	PINE FLATWOODS	B/D	0.183	YES	80.0	0.085	
				6170	MIXED WETLAND HARDWOODS	B/D	0.897	YES	80.0	0.417	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.500	YES	80.0	1.161	
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.257	YES	80.0	0.119	
				6170	MIXED WETLAND HARDWOODS	B/D	2.371	YES	80.0	1.102	
				6410	FRESHWATER MARSHES	B/D	0.569	YES	80.0	0.264	
				3200	SHRUB AND BRUSH RANGELAND	A/D	0.084	YES	80.0	0.039	
				4110	PINE FLATWOODS	A/D	1.586	YES	80.0	0.737	
				6170	MIXED WETLAND HARDWOODS	A/D	2.635	YES	80.0	1.224	
				6410	FRESHWATER MARSHES	A/D	2.118	YES	80.0	0.984	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	4.179	YES	80.0	1.941	
				4340	HARDWOOD CONIFER MIXED	A/D	2.328	YES	80.0	1.082	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.281	YES	80.0	0.131	
				3200	SHRUB AND BRUSH RANGELAND	A/D	5.409	YES	80.0	2.513	
				3200	SHRUB AND BRUSH RANGELAND	A/D	5.272	YES	80.0	2.449	
				3300	MIXED RANGELAND	A/D	0.842	YES	80.0	0.391	
				4110	PINE FLATWOODS	A/D	0.465	YES	80.0	0.216	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	31.022	YES	80.0	14.412	
				4340	HARDWOOD CONIFER MIXED	A/D	0.371	YES	80.0	0.172	
				4340	HARDWOOD CONIFER MIXED	A/D	1.325	YES	80.0	0.616	
				4340	HARDWOOD CONIFER MIXED	A/D	2.521	YES	80.0	1.171	
				6181	CABBAGE PALM HAMMOCK	A/D	0.854	YES	80.0	0.397	
				6181	CABBAGE PALM HAMMOCK	A/D	1.767	YES	80.0	0.821	
				6181	CABBAGE PALM HAMMOCK	A/D	0.265	YES	80.0	0.123	
				6170	MIXED WETLAND HARDWOODS	A/D	17.208	YES	80.0	7.995	
				6300	WETLAND FORESTED MIXED	A/D	4.221	YES	80.0	1.961	
				6410	FRESHWATER MARSHES	A/D	0.499	YES	80.0	0.232	
				6410	FRESHWATER MARSHES	A/D	0.190	YES	80.0	0.088	
				6410	FRESHWATER MARSHES	A/D	2.344	YES	80.0	1.089	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.771	YES	80.0	0.358	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.460	YES	80.0	1.143	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	9.021	YES	80.0	4.191	
				4340	HARDWOOD CONIFER MIXED	A/D	1.024	YES	80.0	0.476	
				6181	CABBAGE PALM HAMMOCK	A/D	27.709	YES	80.0	12.873	
				6181	CABBAGE PALM HAMMOCK	A/D	5.847	YES	80.0	2.716	
				6170	MIXED WETLAND HARDWOODS	A/D	2.593	YES	80.0	1.205	
				6300	WETLAND FORESTED MIXED	A/D	0.191	YES	80.0	0.089	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.185	YES	80.0	0.551	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.139	YES	80.0	0.529	
				6300	WETLAND FORESTED MIXED	A/D	0.163	YES	80.0	0.076	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.000	YES	80.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	5.809	YES	80.0	2.699	
				4340	HARDWOOD CONIFER MIXED	B/D	0.147	YES	80.0	0.068	
				3200	SHRUB AND BRUSH RANGELAND	A/D	0.046	YES	80.0	0.021	
				3300	MIXED RANGELAND	A/D	1.732	YES	80.0	0.805	
				6181	CABBAGE PALM HAMMOCK	A/D	0.229	YES	80.0	0.106	
				6170	MIXED WETLAND HARDWOODS	A/D	10.070	YES	80.0	4.678	
				6300	WETLAND FORESTED MIXED	A/D	0.828	YES	80.0	0.385	
				6410	FRESHWATER MARSHES	A/D	0.191	YES	80.0	0.089	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.129	YES	80.0	0.525	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.151	YES	80.0	0.070	
				6181	CABBAGE PALM HAMMOCK	B/D	0.054	YES	80.0	0.025	
				6170	MIXED WETLAND HARDWOODS	B/D	2.153	YES	80.0	1.000	
				6300	WETLAND FORESTED MIXED	B/D	2.429	YES	80.0	1.128	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.198	YES	80.0	0.092	
06_M_0200_BC_2	7.49	0.0%	7.49	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.575	YES	80.0	27.507	80.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.109	YES	80.0	1.164	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.406	YES	80.0	15.019	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.986	YES	80.0	31.897	
				6181	CABBAGE PALM HAMMOCK	A/D	0.409	YES	80.0	4.369	
06_M_0200_BC_3	1.43	4.7%	1.36	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.360	YES	80.0	79.824	79.8
06_M_0210_BC	1.51	3.9%	1.45	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.200	YES	80.0	11.027	67.7
				4340	HARDWOOD CONIFER MIXED	A/D	0.023	YES	80.0	1.268	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.972	YES	80.0	53.591	
				4340	HARDWOOD CONIFER MIXED	B/D	0.033	YES	80.0	1.819	
06_M_0220_BC	2.14	5.6%	2.02	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.193	YES	80.0	47.224	77.2
				4340	HARDWOOD CONIFER MIXED	A/D	0.153	YES	80.0	6.056	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.250	YES	80.0	9.896	
				4340	HARDWOOD CONIFER MIXED	B/D	0.354	YES	80.0	14.013	
06_M_0240_BC	0.52	10.4%	0.47	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.461	YES	80.0	79.142	79.1
				4340	HARDWOOD CONIFER MIXED	B/D	0.000	YES	80.0	0.000	
06_M_0260_BC	0.89	10.4%	0.80	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.792	YES	80.0	79.498	79.5
06_M_0270_BC	1.02	11.9%	0.90	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.795	YES	80.0	70.745	80.1

TABLE C-1
EXISTING & ALTERNATIVE CONDITIONS
CURVE NUMBER CALCULATION SUMMARY

SUBBASIN NAME	SUBBASIN AREA (ACRES)	% DCIA	SUBBASIN AREA LESS DCIA	LAND USE CODE	LAND USE*	SOIL HYDRO GROUP	SUBBASIN TO LANDUSE TO SOIL INTERSECTED AREA (AC)	Pervious Area	CN REFERENCE VALUE**	CN RATIO	WEIGHTED CN***
06 M 0290 BC	1.52	3.6%	1.47	6460	TREELESS HYDRIC SAVANNA	B/D	0.105	YES	80.0	9.344	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.513	YES	80.0	28.014	75.1
				4110	PINE FLATWOODS	B/D	0.070	YES	80.0	3.823	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.783	YES	80.0	42.758	
06 M 0300 BC	1.65	3.2%	1.60	6460	TREELESS HYDRIC SAVANNA	B/D	0.010	YES	80.0	0.546	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.062	YES	80.0	53.200	76.8
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.471	YES	80.0	23.594	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.164	YES	80.0	23.018	79.7
06 M 0310 BC	0.62	8.1%	0.57	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.404	YES	80.0	56.702	
				2150	FIELD CROPS	A/D	0.395	YES	80.0	1.119	79.5
				6170	MIXED WETLAND HARDWOODS	A/D	0.244	YES	80.0	0.691	
				2150	FIELD CROPS	A/D	0.047	YES	80.0	0.133	
06 M 0315 BC 1	28.32	0.3%	28.25	3200	SHRUB AND BRUSH RANGELAND	A/D	0.505	YES	80.0	1.430	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	8.252	YES	80.0	23.370	
				5300	RESERVOIRS	A/D	0.276	YES	80.0	0.782	
				6181	CABBAGE PALM HAMMOCK	A/D	0.318	YES	80.0	0.901	
				6170	MIXED WETLAND HARDWOODS	A/D	10.867	YES	80.0	30.776	
				6410	FRESHWATER MARSHES	A/D	0.360	YES	80.0	1.020	
				6410	FRESHWATER MARSHES	A/D	2.102	YES	80.0	5.953	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.441	YES	80.0	4.081	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.487	YES	80.0	4.211	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.069	YES	80.0	0.195	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.850	YES	80.0	2.407	
				6181	CABBAGE PALM HAMMOCK	B/D	0.673	YES	80.0	1.906	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.186	YES	80.0	0.527	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.535	YES	80.0	80.603	80.6
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.196	YES	80.0	18.298	79.8
				6460	TREELESS HYDRIC SAVANNA	A/D	0.100	YES	80.0	1.530	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.005	YES	80.0	0.076	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.674	YES	80.0	40.910	
				6460	TREELESS HYDRIC SAVANNA	B/D	1.240	YES	80.0	18.971	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.224	YES	80.0	9.568	73.0
06 M 0420 BC	1.92	2.4%	1.87	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.182	YES	80.0	50.486	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.303	YES	80.0	12.942	
				2150	FIELD CROPS	A/D	0.438	YES	80.0	4.241	79.9
				6181	CABBAGE PALM HAMMOCK	A/D	0.041	YES	80.0	0.397	
				6170	MIXED WETLAND HARDWOODS	A/D	0.206	YES	80.0	1.995	
				2150	FIELD CROPS	A/D	0.023	YES	80.0	0.223	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.302	YES	80.0	2.924	
				6181	CABBAGE PALM HAMMOCK	A/D	4.233	YES	80.0	40.988	
				6170	MIXED WETLAND HARDWOODS	A/D	0.215	YES	80.0	2.082	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.073	YES	80.0	0.707	
				2150	FIELD CROPS	A/D	0.177	YES	80.0	1.714	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.002	YES	80.0	0.019	
				6181	CABBAGE PALM HAMMOCK	A/D	0.319	YES	80.0	3.089	
				6170	MIXED WETLAND HARDWOODS	A/D	1.572	YES	80.0	15.221	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.650	YES	80.0	6.294	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.003	YES	80.0	0.029	
06 M 0500 BC	1.98	7.4%	1.83	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.990	YES	80.0	43.208	79.3
				6170	MIXED WETLAND HARDWOODS	B/D	0.075	YES	80.0	3.273	
				4110	PINE FLATWOODS	A/D	0.015	YES	80.0	0.655	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.368	YES	80.0	16.061	
				6170	MIXED WETLAND HARDWOODS	A/D	0.370	YES	80.0	16.148	
				4110	PINE FLATWOODS	A/D	0.538	YES	80.0	39.632	80.2
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.333	YES	80.0	24.530	
				4340	HARDWOOD CONIFER MIXED	A/D	0.218	YES	80.0	16.059	
06 M 0520 BC	3.32	0.3%	3.31	6170	MIXED WETLAND HARDWOODS	A/D	0.000	YES	80.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.484	YES	39.0	5.701	70.3
				4340	HARDWOOD CONIFER MIXED	A	0.027	YES	39.0	0.318	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.001	YES	80.0	0.024	
				6170	MIXED WETLAND HARDWOODS	B/D	0.062	YES	80.0	1.498	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.001	YES	80.0	0.024	
				4340	HARDWOOD CONIFER MIXED	A/D	0.291	YES	80.0	7.031	
				6170	MIXED WETLAND HARDWOODS	A/D	0.351	YES	80.0	8.481	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.299	YES	80.0	7.224	
				4340	HARDWOOD CONIFER MIXED	A/D	1.364	YES	80.0	32.957	
				6170	MIXED WETLAND HARDWOODS	A/D	0.293	YES	80.0	7.079	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.608	YES	80.0	1.065	79.4
06 M 0525 BC	45.70	0.0%	45.69	4340	HARDWOOD CONIFER MIXED	B/D	0.790	YES	80.0	1.383	
				6170	MIXED WETLAND HARDWOODS	B/D	0.027	YES	80.0	0.047	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.001	YES	80.0	0.002	
				3200	SHRUB AND BRUSH RANGELAND	B/D	3.348	YES	80.0	5.862	
				4110	PINE FLATWOODS	B/D	0.788	YES	80.0	1.380	
				6170	MIXED WETLAND HARDWOODS	B/D	0.142	YES	80.0	0.249	
				6170	MIXED WETLAND HARDWOODS	B/D	0.003	YES	80.0	0.005	
				6430	WET PRAIRIES	B/D	0.019	YES	80.0	0.033	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.130	YES	80.0	0.228	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	5.367	YES	80.0	9.397	
				4340	HARDWOOD CONIFER MIXED	A/D	0.650	YES	80.0	1.138	
				6170	MIXED WETLAND HARDWOODS	A/D	0.116	YES	80.0	0.203	
				6170	MIXED WETLAND HARDWOODS	A/D	0.541	YES	80.0	0.947	
				6170	MIXED WETLAND HARDWOODS	A/D	0.902	YES	80.0	1.579	
				6430	WET PRAIRIES	A/D	3.861	YES	80.0	6.760	

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EXISTING & ALTERNATIVE CONDITIONS
CURVE NUMBER CALCULATION SUMMARY

SUBBASIN NAME	SUBBASIN AREA (ACRES)	% DCIA	SUBBASIN AREA LESS DCIA	LAND USE CODE	LAND USE*	SOIL HYDRO GROUP	SUBBASIN TO LANDUSE TO SOIL INTERSECTED AREA (AC)	Pervious Area	CN REFERENCE VALUE**	CN RATIO	WEIGHTED CN***
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.706	YES	80.0	1.236	
				6170	MIXED WETLAND HARDWOODS	B/D	0.363	YES	80.0	0.636	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	6.287	YES	80.0	11.008	
				6181	CABBAGE PALM HAMMOCK	B/D	0.145	YES	80.0	0.254	
				6170	MIXED WETLAND HARDWOODS	B/D	0.672	YES	80.0	1.177	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.133	YES	80.0	0.233	
				3200	SHRUB AND BRUSH RANGELAND	A/D	0.062	YES	80.0	0.109	
				6170	MIXED WETLAND HARDWOODS	A/D	0.242	YES	80.0	0.424	
				6430	WET PRAIRIES	A/D	0.099	YES	80.0	0.173	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.016	YES	80.0	0.028	
				2150	FIELD CROPS	A/D	0.702	YES	80.0	1.229	
				3200	SHRUB AND BRUSH RANGELAND	A/D	0.305	YES	80.0	0.534	
				4110	PINE FLATWOODS	A/D	0.771	YES	80.0	1.350	
				5300	RESERVOIRS	A/D	0.153	YES	80.0	0.268	
				5300	RESERVOIRS	A/D	0.078	YES	80.0	0.137	
				6170	MIXED WETLAND HARDWOODS	A/D	0.717	YES	80.0	1.255	
				6170	MIXED WETLAND HARDWOODS	A/D	5.750	YES	80.0	10.068	
				6430	WET PRAIRIES	A/D	1.375	YES	80.0	2.408	
				2150	FIELD CROPS	A/D	0.001	YES	80.0	0.002	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.218	YES	80.0	3.884	
				6181	CABBAGE PALM HAMMOCK	A/D	0.696	YES	80.0	1.219	
				6170	MIXED WETLAND HARDWOODS	A/D	1.821	YES	80.0	3.189	
				6430	WET PRAIRIES	A/D	0.011	YES	80.0	0.019	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.380	YES	80.0	0.665	
				2150	FIELD CROPS	A/D	1.253	YES	80.0	2.194	
				4110	PINE FLATWOODS	A/D	0.480	YES	80.0	0.840	
				5300	RESERVOIRS	A/D	0.283	YES	80.0	0.496	
				5300	RESERVOIRS	A/D	0.873	YES	80.0	1.529	
				6170	MIXED WETLAND HARDWOODS	A/D	1.444	YES	80.0	2.528	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.010	YES	80.0	0.018	
06_M_0530_BC	11.34	0.1%	11.33	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.998	YES	39.0	3.434	74.7
				4340	HARDWOOD CONIFER MIXED	A	0.043	YES	39.0	0.148	
				6170	MIXED WETLAND HARDWOODS	A	0.188	YES	39.0	0.647	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.160	YES	80.0	1.129	
				6170	MIXED WETLAND HARDWOODS	B/D	0.106	YES	80.0	0.748	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.102	YES	80.0	14.838	
				6170	MIXED WETLAND HARDWOODS	B/D	0.243	YES	80.0	1.715	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.234	YES	39.0	0.805	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.227	YES	80.0	8.661	
				4340	HARDWOOD CONIFER MIXED	A/D	0.353	YES	80.0	2.492	
				6170	MIXED WETLAND HARDWOODS	A/D	4.454	YES	80.0	31.441	
				6170	MIXED WETLAND HARDWOODS	A/D	0.581	YES	80.0	4.101	
				6170	MIXED WETLAND HARDWOODS	A/D	0.114	YES	80.0	0.805	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.140	YES	80.0	0.988	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.392	YES	80.0	2.767	
06_M_0600_BC_1	1.55	0.0%	1.55	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.550	YES	80.0	80.000	80.0
06_M_0600_BC_2	2.54	0.0%	2.54	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.146	YES	80.0	4.598	80.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.827	YES	80.0	57.543	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.568	YES	80.0	17.890	
06_M_0620_BC	1.56	0.0%	1.56	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.559	YES	80.0	79.949	79.9
06_M_0630_BC	2.14	0.0%	2.14	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.142	YES	80.0	80.075	80.1
06_M_0650_BC	6.94	0.0%	6.94	2130	WOODLAND PASTURE	A	0.074	YES	39.0	0.416	79.5
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.001	YES	39.0	0.006	
				6440	EMERGENT AQUATIC VEGETATION	A	0.003	YES	39.0	0.017	
				2130	WOODLAND PASTURE	B/D	1.775	YES	80.0	20.461	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.919	YES	80.0	33.648	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.000	YES	80.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.168	YES	80.0	24.991	
06_M_0670_BC	4.41	0.0%	4.41	2130	WOODLAND PASTURE	A	0.026	YES	39.0	0.230	79.2
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.076	YES	39.0	0.672	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	3.084	YES	80.0	55.946	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.030	YES	80.0	0.544	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.283	YES	80.0	5.134	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.686	YES	80.0	12.444	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.231	YES	80.0	4.190	
06_M_0680_BC	2.98	0.0%	2.98	2130	WOODLAND PASTURE	A	0.387	YES	39.0	5.065	74.3
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.026	YES	39.0	0.340	
				2130	WOODLAND PASTURE	B/D	0.089	YES	80.0	2.389	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.761	YES	80.0	20.430	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.279	YES	80.0	7.490	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.001	YES	80.0	0.027	
				6460	TREELESS HYDRIC SAVANNA	B/D	1.271	YES	80.0	34.121	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.087	YES	80.0	2.336	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.080	YES	80.0	2.148	
06_M_0690_BC_1	1.03	0.0%	1.03	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.032	YES	80.0	2.485	79.8
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.038	YES	80.0	2.951	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.105	YES	80.0	8.155	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.697	YES	80.0	54.136	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.155	YES	80.0	12.039	
06_M_0690_BC_2	12.80	0.0%	12.80	2130	WOODLAND PASTURE	A	0.074	YES	39.0	0.225	66.6
				2130	WOODLAND PASTURE	B/D	2.188	YES	80.0	13.675	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.841	YES	80.0	11.506	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.282	YES	80.0	1.763	

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				6460	TREELESS HYDRIC SAVANNA	B/D	0.129	YES	80.0	0.806	
				2130	WOODLAND PASTURE	A	1.843	YES	39.0	5.615	
				6460	TREELESS HYDRIC SAVANNA	A	0.245	YES	39.0	0.746	
				1100	LOW DENSITY RESIDENTIAL	B/D	1.147	YES	80.0	7.169	
				2110	IMPROVED PASTURES	B/D	1.422	YES	80.0	8.888	
				2130	WOODLAND PASTURE	B/D	0.177	YES	80.0	1.106	
				1900	OPEN LAND	B/D	0.056	YES	80.0	0.350	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.581	YES	80.0	3.631	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.795	YES	80.0	4.969	
				1100	LOW DENSITY RESIDENTIAL	A	1.264	YES	39.0	3.851	
				2110	IMPROVED PASTURES	A	0.485	YES	39.0	1.478	
				1900	OPEN LAND	A	0.275	YES	39.0	0.838	
06_M_0710_BC	2.02	0.0%	2.02	1100	LOW DENSITY RESIDENTIAL	B/D	0.008	YES	80.0	0.317	72.7
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.400	YES	80.0	15.842	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.367	YES	80.0	14.535	
				6170	MIXED WETLAND HARDWOODS	B/D	0.351	YES	80.0	13.901	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.343	YES	39.0	6.622	
				6170	MIXED WETLAND HARDWOODS	A	0.003	YES	39.0	0.058	
				6170	MIXED WETLAND HARDWOODS	A	0.013	YES	39.0	0.251	
				6460	TREELESS HYDRIC SAVANNA	A	0.000	YES	39.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.411	YES	80.0	16.277	
				6170	MIXED WETLAND HARDWOODS	A/D	0.123	YES	80.0	4.871	
06_M_1000_BC_1	20.10	0.0%	20.10	1100	LOW DENSITY RESIDENTIAL	B/D	1.103	YES	80.0	4.390	80.0
				1100	LOW DENSITY RESIDENTIAL	B/D	1.376	YES	80.0	5.477	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.283	YES	80.0	5.106	
				2130	WOODLAND PASTURE	B/D	1.935	YES	80.0	7.701	
				3100	HERBACEOUS RANGELAND	B/D	0.228	YES	80.0	0.907	
				3100	HERBACEOUS RANGELAND	B/D	1.593	YES	80.0	6.340	
				4340	HARDWOOD CONIFER MIXED	B/D	3.451	YES	80.0	13.735	
				6460	TREELESS HYDRIC SAVANNA	B/D	2.051	YES	80.0	8.163	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.028	YES	80.0	0.111	
				6170	MIXED WETLAND HARDWOODS	A/D	0.000	YES	80.0	0.000	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.633	YES	80.0	2.519	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	3.053	YES	80.0	12.151	
				2130	WOODLAND PASTURE	A/D	2.350	YES	80.0	9.353	
				4340	HARDWOOD CONIFER MIXED	A/D	0.866	YES	80.0	3.447	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.154	YES	80.0	0.613	
06_M_1000_BC_2	3.11	0.0%	3.11	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.420	YES	80.0	10.804	80.0
				6170	MIXED WETLAND HARDWOODS	A/D	0.082	YES	80.0	2.109	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.376	YES	80.0	61.119	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.215	YES	80.0	5.531	
				6170	MIXED WETLAND HARDWOODS	A/D	0.018	YES	80.0	0.463	
06_M_1000_BC_3	3.84	0.0%	3.84	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.440	YES	80.0	9.167	80.0
				1100	LOW DENSITY RESIDENTIAL	B/D	0.077	YES	80.0	1.604	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.690	YES	80.0	14.375	
				2130	WOODLAND PASTURE	B/D	0.193	YES	80.0	4.021	
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.440	YES	80.0	9.167	
				6170	MIXED WETLAND HARDWOODS	B/D	0.001	YES	80.0	0.021	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.146	YES	80.0	3.042	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.284	YES	80.0	5.917	
				6170	MIXED WETLAND HARDWOODS	A/D	0.122	YES	80.0	2.542	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.236	YES	80.0	4.917	
				6170	MIXED WETLAND HARDWOODS	B/D	0.001	YES	80.0	0.021	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.240	YES	80.0	5.000	
				6170	MIXED WETLAND HARDWOODS	A/D	0.036	YES	80.0	0.750	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.044	YES	80.0	0.917	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.445	YES	80.0	9.271	
				3200	SHRUB AND BRUSH RANGELAND	A/D	0.000	YES	80.0	0.000	
				6170	MIXED WETLAND HARDWOODS	A/D	0.245	YES	80.0	5.104	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.201	YES	80.0	4.188	
06_M_1000_BC_4	4.44	0.0%	4.44	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.006	YES	80.0	0.108	80.1
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.410	YES	80.0	7.387	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	3.531	YES	80.0	63.622	
				6250	HYDRIC PINE FLATWOODS	A/D	0.159	YES	80.0	2.865	
				6410	FRESHWATER MARSHES	A/D	0.184	YES	80.0	3.315	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.154	YES	80.0	2.775	
06_M_1100_BC	36.44	0.0%	36.44	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.676	YES	80.0	5.875	79.6
				5300	RESERVOIRS	A/D	0.293	YES	80.0	0.643	
				6170	MIXED WETLAND HARDWOODS	A/D	0.756	YES	80.0	1.660	
				6170	MIXED WETLAND HARDWOODS	A/D	1.705	YES	80.0	3.743	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.046	YES	80.0	0.101	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.966	YES	80.0	4.316	
				6170	MIXED WETLAND HARDWOODS	B/D	0.093	YES	80.0	0.204	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.405	YES	80.0	0.889	
				1100	LOW DENSITY RESIDENTIAL	B/D	1.075	YES	80.0	2.360	
				3100	HERBACEOUS RANGELAND	B/D	2.755	YES	80.0	6.048	
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.954	YES	80.0	2.094	
				4340	HARDWOOD CONIFER MIXED	B/D	0.402	YES	80.0	0.883	
				6170	MIXED WETLAND HARDWOODS	B/D	0.001	YES	80.0	0.002	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.000	YES	80.0	0.000	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.010	YES	80.0	0.022	
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.419	YES	80.0	0.920	
				6170	MIXED WETLAND HARDWOODS	B/D	0.313	YES	80.0	0.687	

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				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.009	YES	39.0	0.010	
				6170	MIXED WETLAND HARDWOODS	A	0.146	YES	39.0	0.156	
				6170	MIXED WETLAND HARDWOODS	A	0.008	YES	39.0	0.009	
				6460	TREELESS HYDRIC SAVANNA	A	0.191	YES	39.0	0.204	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.002	YES	80.0	0.004	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	3.010	YES	80.0	6.608	
				5300	RESERVOIRS	A/D	0.002	YES	80.0	0.004	
				6170	MIXED WETLAND HARDWOODS	A/D	0.164	YES	80.0	0.360	
				6170	MIXED WETLAND HARDWOODS	A/D	0.256	YES	80.0	0.562	
				6460	TREELESS HYDRIC SAVANNA	A/D	3.472	YES	80.0	7.622	
				1100	LOW DENSITY RESIDENTIAL	A/D	1.025	YES	80.0	2.250	
				3100	HERBACEOUS RANGELAND	A/D	0.087	YES	80.0	0.191	
				3200	SHRUB AND BRUSH RANGELAND	A/D	1.637	YES	80.0	3.594	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.891	YES	80.0	1.956	
				6170	MIXED WETLAND HARDWOODS	A/D	4.902	YES	80.0	10.762	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.458	YES	80.0	5.396	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.005	YES	80.0	0.011	
				6170	MIXED WETLAND HARDWOODS	A/D	0.693	YES	80.0	1.521	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.044	YES	80.0	0.097	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.476	YES	80.0	1.045	
				6170	MIXED WETLAND HARDWOODS	A/D	0.257	YES	80.0	0.564	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.836	YES	80.0	6.226	
06_M_2000_BC_1	1.71	0.0%	1.71	2110	IMPROVED PASTURES	B/D	0.105	YES	80.0	4.912	65.7
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.305	YES	80.0	14.269	
				2110	IMPROVED PASTURES	A	0.112	YES	39.0	2.554	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.484	YES	39.0	11.039	
				6170	MIXED WETLAND HARDWOODS	A	0.000	YES	39.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.060	YES	80.0	2.807	
				6410	FRESHWATER MARSHES	B/D	0.009	YES	80.0	0.421	
				2110	IMPROVED PASTURES	A/D	0.000	YES	80.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.597	YES	80.0	27.930	
				6170	MIXED WETLAND HARDWOODS	A/D	0.021	YES	80.0	0.982	
				6410	FRESHWATER MARSHES	A/D	0.016	YES	80.0	0.749	
06_M_2000_BC_2	6.34	0.0%	6.34	2130	WOODLAND PASTURE	B/D	0.735	YES	80.0	9.274	70.3
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.176	YES	80.0	2.221	
				6410	FRESHWATER MARSHES	B/D	0.233	YES	80.0	2.940	
				2130	WOODLAND PASTURE	A	0.259	YES	39.0	1.593	
				6410	FRESHWATER MARSHES	A	0.069	YES	39.0	0.424	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.569	YES	80.0	7.180	
				1400	COMMERCIAL AND SERVICES	B/D	0.227	YES	80.0	2.864	
				2110	IMPROVED PASTURES	B/D	0.775	YES	80.0	9.779	
				2130	WOODLAND PASTURE	B/D	0.239	YES	80.0	3.016	
				2140	AGRICULTURE - ROW & FIELD CROPS	B/D	0.653	YES	80.0	8.240	
				2210	CITRUS GROVES	B/D	0.127	YES	80.0	1.603	
				6410	FRESHWATER MARSHES	B/D	0.145	YES	80.0	1.830	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.687	YES	80.0	8.669	
				6410	FRESHWATER MARSHES	B/D	0.274	YES	80.0	3.457	
				1100	LOW DENSITY RESIDENTIAL	A	0.332	YES	39.0	2.042	
				1400	COMMERCIAL AND SERVICES	A	0.389	YES	39.0	2.393	
				2110	IMPROVED PASTURES	A	0.058	YES	39.0	0.357	
				2140	AGRICULTURE - ROW & FIELD CROPS	A	0.200	YES	39.0	1.230	
				2210	CITRUS GROVES	A	0.063	YES	39.0	0.388	
				1900	OPEN LAND	A	0.134	YES	39.0	0.824	
				6410	FRESHWATER MARSHES	A/D	0.000	YES	80.0	0.000	
06_M_2100_BC	138.31	0.0%	138.31	2110	IMPROVED PASTURES	A/D	0.114	YES	80.0	0.066	76.7
				2110	IMPROVED PASTURES	A	0.066	YES	39.0	0.019	
				3200	SHRUB AND BRUSH RANGELAND	A	0.951	YES	39.0	0.268	
				6181	CABBAGE PALM HAMMOCK	B/D	0.767	YES	80.0	0.444	
				6170	MIXED WETLAND HARDWOODS	B/D	1.408	YES	80.0	0.814	
				6410	FRESHWATER MARSHES	B/D	0.493	YES	80.0	0.285	
				2110	IMPROVED PASTURES	B/D	0.125	YES	80.0	0.072	
				6170	MIXED WETLAND HARDWOODS	B/D	0.000	YES	80.0	0.000	
				6410	FRESHWATER MARSHES	B/D	0.522	YES	80.0	0.302	
				6430	WET PRAIRIES	B/D	0.278	YES	80.0	0.161	
				2110	IMPROVED PASTURES	B/D	2.204	YES	80.0	1.275	
				6170	MIXED WETLAND HARDWOODS	B/D	7.252	YES	80.0	4.195	
				6300	WETLAND FORESTED MIXED	B/D	0.997	YES	80.0	0.577	
				6410	FRESHWATER MARSHES	B/D	0.214	YES	80.0	0.124	
				6410	FRESHWATER MARSHES	B/D	0.071	YES	80.0	0.041	
				6410	FRESHWATER MARSHES	B/D	0.124	YES	80.0	0.072	
				6410	FRESHWATER MARSHES	B/D	0.192	YES	80.0	0.111	
				6460	TREELESS HYDRIC SAVANNA	B/D	2.136	YES	80.0	1.235	
				6170	MIXED WETLAND HARDWOODS	A	0.074	YES	39.0	0.021	
				6410	FRESHWATER MARSHES	A	0.082	YES	39.0	0.023	
				2110	IMPROVED PASTURES	A	0.216	YES	39.0	0.061	
				6170	MIXED WETLAND HARDWOODS	A	1.843	YES	39.0	0.520	
				6300	WETLAND FORESTED MIXED	A	0.207	YES	39.0	0.058	
				6410	FRESHWATER MARSHES	A	0.072	YES	39.0	0.020	
				6410	FRESHWATER MARSHES	A	0.000	YES	39.0	0.000	
				4340	HARDWOOD CONIFER MIXED	A/D	5.204	YES	80.0	3.010	
				6170	MIXED WETLAND HARDWOODS	A/D	4.287	YES	80.0	2.480	
				6410	FRESHWATER MARSHES	A/D	0.874	YES	80.0	0.506	
				2210	CITRUS GROVES	B/D	0.008	YES	80.0	0.005	

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				3100	HERBACEOUS RANGELAND	B/D	0.682	YES	80.0	0.394	
				6170	MIXED WETLAND HARDWOODS	B/D	1.613	YES	80.0	0.933	
				2110	IMPROVED PASTURES	A/D	0.049	YES	80.0	0.028	
				6170	MIXED WETLAND HARDWOODS	A/D	1.740	YES	80.0	1.006	
				6410	FRESHWATER MARSHES	A/D	2.191	YES	80.0	1.267	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.874	YES	80.0	1.084	
				2110	IMPROVED PASTURES	A/D	0.606	YES	80.0	0.351	
				6170	MIXED WETLAND HARDWOODS	A/D	6.580	YES	80.0	3.806	
				6410	FRESHWATER MARSHES	A/D	0.868	YES	80.0	0.502	
				6410	FRESHWATER MARSHES	A/D	0.314	YES	80.0	0.182	
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.157	YES	80.0	0.091	
				4340	HARDWOOD CONIFER MIXED	B/D	0.045	YES	80.0	0.026	
				6181	CABBAGE PALM HAMMOCK	B/D	0.035	YES	80.0	0.020	
				6181	CABBAGE PALM HAMMOCK	B/D	2.622	YES	80.0	1.517	
				6170	MIXED WETLAND HARDWOODS	B/D	8.182	YES	80.0	4.733	
				6410	FRESHWATER MARSHES	B/D	3.001	YES	80.0	1.736	
				6410	FRESHWATER MARSHES	B/D	13.683	YES	80.0	7.914	
				2110	IMPROVED PASTURES	B/D	0.674	YES	80.0	0.390	
				6170	MIXED WETLAND HARDWOODS	B/D	0.243	YES	80.0	0.141	
				2110	IMPROVED PASTURES	A	0.115	YES	39.0	0.032	
				6410	FRESHWATER MARSHES	A	2.990	YES	39.0	0.843	
				6460	TREELESS HYDRIC SAVANNA	A	0.028	YES	39.0	0.008	
				2140	AGRICULTURE - ROW & FIELD CROPS	A/D	0.049	YES	80.0	0.028	
				2210	CITRUS GROVES	A/D	0.020	YES	80.0	0.012	
				3100	HERBACEOUS RANGELAND	A/D	1.061	YES	80.0	0.614	
				6181	CABBAGE PALM HAMMOCK	A/D	2.167	YES	80.0	1.253	
				6181	CABBAGE PALM HAMMOCK	A/D	2.648	YES	80.0	1.532	
				6170	MIXED WETLAND HARDWOODS	A/D	1.862	YES	80.0	1.077	
				6170	MIXED WETLAND HARDWOODS	A/D	13.611	YES	80.0	7.873	
				6410	FRESHWATER MARSHES	A/D	1.606	YES	80.0	0.929	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.517	YES	80.0	1.456	
				2110	IMPROVED PASTURES	A/D	0.832	YES	80.0	0.481	
				4340	HARDWOOD CONIFER MIXED	A/D	0.038	YES	80.0	0.022	
				6181	CABBAGE PALM HAMMOCK	A/D	0.983	YES	80.0	0.569	
				6170	MIXED WETLAND HARDWOODS	A/D	9.586	YES	80.0	5.545	
				6410	FRESHWATER MARSHES	A/D	4.791	YES	80.0	2.771	
				6410	FRESHWATER MARSHES	A/D	2.062	YES	80.0	1.193	
				6430	WET PRAIRIES	A/D	0.740	YES	80.0	0.428	
				2110	IMPROVED PASTURES	B/D	2.224	YES	80.0	1.286	
				3200	SHRUB AND BRUSH RANGELAND	B/D	2.717	YES	80.0	1.572	
				6170	MIXED WETLAND HARDWOODS	B/D	5.015	YES	80.0	2.901	
				6410	FRESHWATER MARSHES	B/D	0.086	YES	80.0	0.050	
				2110	IMPROVED PASTURES	A	0.320	YES	39.0	0.090	
				6170	MIXED WETLAND HARDWOODS	A	1.729	YES	39.0	0.488	
				6300	WETLAND FORESTED MIXED	A	1.818	YES	39.0	0.513	
				6410	FRESHWATER MARSHES	A	0.753	YES	39.0	0.212	
06_M_2200_BC	56.84	0.0%	56.84	2110	IMPROVED PASTURES	B/D	3.937	YES	80.0	5.541	80.0
				2110	IMPROVED PASTURES	B/D	0.907	YES	80.0	1.277	
				2110	IMPROVED PASTURES	A/D	6.721	YES	80.0	9.460	
				6170	MIXED WETLAND HARDWOODS	A/D	0.030	YES	80.0	0.042	
				6170	MIXED WETLAND HARDWOODS	A/D	0.150	YES	80.0	0.211	
				6410	FRESHWATER MARSHES	A/D	0.119	YES	80.0	0.167	
				2110	IMPROVED PASTURES	A/D	1.472	YES	80.0	2.072	
				6300	WETLAND FORESTED MIXED	A/D	0.058	YES	80.0	0.082	
				6410	FRESHWATER MARSHES	A/D	0.031	YES	80.0	0.044	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.064	YES	80.0	0.090	
				2110	IMPROVED PASTURES	B/D	17.975	YES	80.0	25.299	
				2110	IMPROVED PASTURES	A/D	0.628	YES	80.0	0.884	
				6170	MIXED WETLAND HARDWOODS	A/D	0.867	YES	80.0	1.220	
				6410	FRESHWATER MARSHES	A/D	0.595	YES	80.0	0.837	
				2110	IMPROVED PASTURES	B/D	18.839	YES	80.0	26.515	
				6170	MIXED WETLAND HARDWOODS	B/D	0.033	YES	80.0	0.046	
				6300	WETLAND FORESTED MIXED	B/D	0.084	YES	80.0	0.118	
				6410	FRESHWATER MARSHES	B/D	4.326	YES	80.0	6.089	
06_M_2300_BC	11.58	0.0%	11.58	6170	MIXED WETLAND HARDWOODS	B/D	1.013	YES	80.0	6.998	78.5
				6410	FRESHWATER MARSHES	B/D	0.289	YES	80.0	1.997	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.513	YES	80.0	3.544	
				6170	MIXED WETLAND HARDWOODS	A	0.280	YES	39.0	0.943	
				6410	FRESHWATER MARSHES	A	0.139	YES	39.0	0.468	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.002	YES	80.0	0.014	
				2140	AGRICULTURE - ROW & FIELD CROPS	B/D	0.016	YES	80.0	0.111	
				3100	HERBACEOUS RANGELAND	B/D	0.321	YES	80.0	2.218	
				6170	MIXED WETLAND HARDWOODS	B/D	0.143	YES	80.0	0.988	
				6410	FRESHWATER MARSHES	B/D	0.078	YES	80.0	0.539	
				3100	HERBACEOUS RANGELAND	A/D	0.114	YES	80.0	0.788	
				6181	CABBAGE PALM HAMMOCK	A/D	0.054	YES	80.0	0.373	
				6170	MIXED WETLAND HARDWOODS	A/D	5.142	YES	80.0	35.523	
				6410	FRESHWATER MARSHES	A/D	0.099	YES	80.0	0.684	
				6460	TREELESS HYDRIC SAVANNA	A/D	3.374	YES	80.0	23.309	
06_M_2400_BC	228.31	0.0%	228.31	2210	CITRUS GROVES	A/D	0.640	YES	80.0	0.224	67.1
				6410	FRESHWATER MARSHES	A/D	9.189	YES	80.0	3.220	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.063	YES	80.0	0.723	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.005	YES	80.0	0.002	

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				1400	COMMERCIAL AND SERVICES	B/D	1.701	YES	80.0	0.596	
				2140	AGRICULTURE - ROW & FIELD CROPS	B/D	6.265	YES	80.0	2.195	
				2210	CITRUS GROVES	B/D	114.969	YES	80.0	40.285	
				3100	HERBACEOUS RANGELAND	B/D	1.250	YES	80.0	0.438	
				6170	MIXED WETLAND HARDWOODS	B/D	0.031	YES	80.0	0.011	
				6170	MIXED WETLAND HARDWOODS	B/D	0.520	YES	80.0	0.182	
				6410	FRESHWATER MARSHES	B/D	6.640	YES	80.0	2.327	
				6410	FRESHWATER MARSHES	B/D	0.271	YES	80.0	0.095	
				6440	EMERGENT AQUATIC VEGETATION	B/D	2.217	YES	80.0	0.777	
				1100	LOW DENSITY RESIDENTIAL	A	0.082	YES	39.0	0.014	
				1400	COMMERCIAL AND SERVICES	A	0.015	YES	39.0	0.003	
				2110	IMPROVED PASTURES	A	0.527	YES	39.0	0.090	
				2140	AGRICULTURE - ROW & FIELD CROPS	A	0.006	YES	39.0	0.001	
				2210	CITRUS GROVES	A	13.453	YES	39.0	2.298	
				6410	FRESHWATER MARSHES	A	0.062	YES	39.0	0.011	
				6460	TREELESS HYDRIC SAVANNA	A	0.348	YES	39.0	0.059	
				2110	IMPROVED PASTURES	A	2.542	YES	39.0	0.434	
				2210	CITRUS GROVES	A	54.395	YES	39.0	9.292	
				6410	FRESHWATER MARSHES	A	0.198	YES	39.0	0.034	
				6440	EMERGENT AQUATIC VEGETATION	A	0.206	YES	39.0	0.035	
				6460	TREELESS HYDRIC SAVANNA	A	0.114	YES	39.0	0.019	
				2140	AGRICULTURE - ROW & FIELD CROPS	A/D	0.286	YES	80.0	0.100	
				2210	CITRUS GROVES	A/D	5.453	YES	80.0	1.911	
				3100	HERBACEOUS RANGELAND	A/D	0.009	YES	80.0	0.003	
				6170	MIXED WETLAND HARDWOODS	A/D	4.855	YES	80.0	1.701	
06_M_2500_BC	37.99	0.0%	37.99	2110	IMPROVED PASTURES	A/D	1.236	YES	80.0	2.603	80.0
				6300	WETLAND FORESTED MIXED	A/D	9.599	YES	80.0	20.214	
				6410	FRESHWATER MARSHES	A/D	0.001	YES	80.0	0.002	
				6410	FRESHWATER MARSHES	A/D	0.097	YES	80.0	0.204	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.420	YES	80.0	0.884	
				2110	IMPROVED PASTURES	B/D	0.304	YES	80.0	0.640	
				6300	WETLAND FORESTED MIXED	B/D	1.421	YES	80.0	2.992	
				6410	FRESHWATER MARSHES	B/D	0.219	YES	80.0	0.461	
				2110	IMPROVED PASTURES	A/D	0.212	YES	80.0	0.446	
				6170	MIXED WETLAND HARDWOODS	A/D	0.794	YES	80.0	1.672	
				6410	FRESHWATER MARSHES	A/D	0.221	YES	80.0	0.465	
				2110	IMPROVED PASTURES	A/D	0.228	YES	80.0	0.480	
				6170	MIXED WETLAND HARDWOODS	A/D	0.000	YES	80.0	0.000	
				6300	WETLAND FORESTED MIXED	A/D	10.194	YES	80.0	21.467	
				6410	FRESHWATER MARSHES	A/D	3.245	YES	80.0	6.833	
				6410	FRESHWATER MARSHES	A/D	1.426	YES	80.0	3.003	
				6410	FRESHWATER MARSHES	A/D	1.493	YES	80.0	3.144	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.134	YES	80.0	4.494	
				2110	IMPROVED PASTURES	B/D	0.532	YES	80.0	1.120	
				6170	MIXED WETLAND HARDWOODS	B/D	1.093	YES	80.0	2.302	
				6300	WETLAND FORESTED MIXED	B/D	0.673	YES	80.0	1.417	
				6410	FRESHWATER MARSHES	B/D	0.106	YES	80.0	0.223	
				2110	IMPROVED PASTURES	B/D	0.048	YES	80.0	0.101	
				2110	IMPROVED PASTURES	B/D	0.165	YES	80.0	0.347	
				6300	WETLAND FORESTED MIXED	B/D	2.107	YES	80.0	4.437	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.021	YES	80.0	0.044	
06_M_2600_BC	21.51	0.0%	21.51	2110	IMPROVED PASTURES	A/D	0.549	YES	80.0	2.042	65.9
				6300	WETLAND FORESTED MIXED	A/D	0.019	YES	80.0	0.071	
				2110	IMPROVED PASTURES	A/D	2.954	YES	80.0	10.987	
				6410	FRESHWATER MARSHES	A/D	0.207	YES	80.0	0.770	
				2110	IMPROVED PASTURES	A	6.793	YES	39.0	12.316	
				3200	SHRUB AND BRUSH RANGELAND	A	0.020	YES	39.0	0.036	
				6170	MIXED WETLAND HARDWOODS	A	0.042	YES	39.0	0.076	
				6410	FRESHWATER MARSHES	A	0.556	YES	39.0	1.008	
				6460	TREELESS HYDRIC SAVANNA	A	0.000	YES	39.0	0.000	
				2110	IMPROVED PASTURES	A/D	2.964	YES	80.0	11.024	
				6170	MIXED WETLAND HARDWOODS	A/D	0.004	YES	80.0	0.015	
				6300	WETLAND FORESTED MIXED	A/D	0.004	YES	80.0	0.015	
				6410	FRESHWATER MARSHES	A/D	0.007	YES	80.0	0.026	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.008	YES	80.0	0.030	
				2110	IMPROVED PASTURES	B/D	2.512	YES	80.0	9.343	
				6300	WETLAND FORESTED MIXED	B/D	0.061	YES	80.0	0.227	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.000	YES	80.0	0.000	
				2110	IMPROVED PASTURES	B/D	3.667	YES	80.0	13.638	
				6410	FRESHWATER MARSHES	B/D	1.097	YES	80.0	4.080	
				6410	FRESHWATER MARSHES	B/D	0.037	YES	80.0	0.138	
				2110	IMPROVED PASTURES	B/D	0.004	YES	80.0	0.015	
06_M_2700_BC	119.53	0.0%	119.53	2110	IMPROVED PASTURES	A/D	0.307	YES	80.0	0.205	77.4
				6170	MIXED WETLAND HARDWOODS	A/D	5.908	YES	80.0	3.954	
				6300	WETLAND FORESTED MIXED	A/D	0.916	YES	80.0	0.613	
				6410	FRESHWATER MARSHES	A/D	0.005	YES	80.0	0.003	
				6460	TREELESS HYDRIC SAVANNA	A/D	4.069	YES	80.0	2.723	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.102	YES	80.0	0.068	
				2110	IMPROVED PASTURES	A	0.348	YES	39.0	0.114	
				3200	SHRUB AND BRUSH RANGELAND	A	2.158	YES	39.0	0.704	
				6170	MIXED WETLAND HARDWOODS	A	3.333	YES	39.0	1.087	
				6410	FRESHWATER MARSHES	A	0.946	YES	39.0	0.309	
				6410	FRESHWATER MARSHES	A	0.229	YES	39.0	0.075	

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SUBBASIN NAME	SUBBASIN AREA (ACRES)	% DCIA	SUBBASIN AREA LESS DCIA	LAND USE CODE	LAND USE*	SOIL HYDRO GROUP	SUBBASIN TO LANDUSE TO SOIL INTERSECTED AREA (AC)	Pervious Area	CN REFERENCE VALUE**	CN RATIO	WEIGHTED CN***
				6410	FRESHWATER MARSHES	A	0.015	YES	39.0	0.005	
				6460	TREELESS HYDRIC SAVANNA	A	0.404	YES	39.0	0.132	
				2110	IMPROVED PASTURES	A/D	0.510	YES	80.0	0.341	
				4110	PINE FLATWOODS	A/D	0.249	YES	80.0	0.167	
				6170	MIXED WETLAND HARDWOODS	A/D	3.343	YES	80.0	2.237	
				6300	WETLAND FORESTED MIXED	A/D	4.035	YES	80.0	2.701	
				6410	FRESHWATER MARSHES	A/D	2.646	YES	80.0	1.771	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.097	YES	80.0	0.065	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.626	YES	80.0	1.758	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.607	YES	80.0	1.076	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.630	YES	80.0	0.422	
				2210	CITRUS GROVES	B/D	0.056	YES	80.0	0.037	
				6170	MIXED WETLAND HARDWOODS	B/D	3.068	YES	80.0	2.053	
				2110	IMPROVED PASTURES	B/D	0.171	YES	80.0	0.114	
				4110	PINE FLATWOODS	B/D	8.241	YES	80.0	5.516	
				6410	FRESHWATER MARSHES	B/D	0.631	YES	80.0	0.422	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.622	YES	80.0	0.416	
				2120	UNIMPROVED PASTURES	A/D	0.178	YES	80.0	0.119	
				4110	PINE FLATWOODS	A/D	4.054	YES	80.0	2.713	
				4110	PINE FLATWOODS	A/D	0.050	YES	80.0	0.033	
				6170	MIXED WETLAND HARDWOODS	A/D	0.594	YES	80.0	0.398	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.263	YES	80.0	0.176	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.451	YES	80.0	0.302	
				2110	IMPROVED PASTURES	B/D	0.016	YES	80.0	0.011	
				4110	PINE FLATWOODS	B/D	0.276	YES	80.0	0.185	
				2110	IMPROVED PASTURES	B/D	0.227	YES	80.0	0.152	
				6300	WETLAND FORESTED MIXED	B/D	0.483	YES	80.0	0.323	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.204	YES	80.0	0.137	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.028	YES	80.0	0.019	
				6410	FRESHWATER MARSHES	B/D	0.051	YES	80.0	0.034	
				2210	CITRUS GROVES	A/D	0.063	YES	80.0	0.042	
				2120	UNIMPROVED PASTURES	A/D	0.108	YES	80.0	0.072	
				6170	MIXED WETLAND HARDWOODS	A/D	41.569	YES	80.0	27.822	
				6410	FRESHWATER MARSHES	A/D	3.396	YES	80.0	2.273	
				6410	FRESHWATER MARSHES	A/D	1.470	YES	80.0	0.984	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.386	YES	80.0	0.258	
				6460	TREELESS HYDRIC SAVANNA	A/D	3.228	YES	80.0	2.160	
				2110	IMPROVED PASTURES	A/D	0.342	YES	80.0	0.229	
				2120	UNIMPROVED PASTURES	A/D	0.320	YES	80.0	0.214	
				4110	PINE FLATWOODS	A/D	1.256	YES	80.0	0.841	
				4110	PINE FLATWOODS	A/D	1.608	YES	80.0	1.076	
				6170	MIXED WETLAND HARDWOODS	A/D	0.257	YES	80.0	0.172	
				6410	FRESHWATER MARSHES	A/D	4.930	YES	80.0	3.300	
				6460	TREELESS HYDRIC SAVANNA	A/D	6.146	YES	80.0	4.113	
				3200	SHRUB AND BRUSH RANGELAND	B/D	0.002	YES	80.0	0.001	
				6170	MIXED WETLAND HARDWOODS	B/D	0.213	YES	80.0	0.143	
				6170	MIXED WETLAND HARDWOODS	A	0.089	YES	39.0	0.029	
06 M 2800 BC	23.02	0.0%	23.02	2210	CITRUS GROVES	B/D	5.146	YES	80.0	17.884	65.5
				6170	MIXED WETLAND HARDWOODS	B/D	0.794	YES	80.0	2.759	
				6410	FRESHWATER MARSHES	B/D	1.230	YES	80.0	4.275	
				2210	CITRUS GROVES	A/D	0.002	YES	80.0	0.007	
				6410	FRESHWATER MARSHES	A/D	0.046	YES	80.0	0.160	
				2210	CITRUS GROVES	A/D	0.009	YES	80.0	0.031	
				2120	UNIMPROVED PASTURES	A/D	3.801	YES	80.0	13.209	
				4110	PINE FLATWOODS	A/D	0.015	YES	80.0	0.052	
				6170	MIXED WETLAND HARDWOODS	A/D	0.035	YES	80.0	0.122	
				6170	MIXED WETLAND HARDWOODS	A/D	0.290	YES	80.0	1.008	
				6410	FRESHWATER MARSHES	A/D	0.080	YES	80.0	0.278	
				2120	UNIMPROVED PASTURES	A/D	1.459	YES	80.0	5.070	
				6170	MIXED WETLAND HARDWOODS	A/D	0.681	YES	80.0	2.367	
				6410	FRESHWATER MARSHES	A/D	0.550	YES	80.0	1.911	
				2120	UNIMPROVED PASTURES	A/D	0.727	YES	80.0	2.526	
				4110	PINE FLATWOODS	A/D	0.000	YES	80.0	0.000	
				2210	CITRUS GROVES	A	0.189	YES	39.0	0.320	
				2120	UNIMPROVED PASTURES	A	1.459	YES	39.0	2.472	
				6170	MIXED WETLAND HARDWOODS	A	0.264	YES	39.0	0.447	
				6410	FRESHWATER MARSHES	A	6.245	YES	39.0	10.580	
06 M 3000 BC	12.61	0.0%	12.61	2130	WOODLAND PASTURE	B/D	0.693	YES	80.0	4.397	78.7
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.037	YES	80.0	0.235	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	5.488	YES	80.0	34.817	
				6170	MIXED WETLAND HARDWOODS	B/D	1.454	YES	80.0	9.224	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.498	YES	80.0	3.159	
				6170	MIXED WETLAND HARDWOODS	B/D	0.332	YES	80.0	2.106	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.380	YES	39.0	1.175	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.141	YES	80.0	7.239	
				6170	MIXED WETLAND HARDWOODS	A/D	2.566	YES	80.0	16.279	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.017	YES	80.0	0.108	
06 M 3100 BC	148.63	0.0%	148.63	1100	LOW DENSITY RESIDENTIAL	A/D	1.636	YES	80.0	0.881	60.8
				2130	WOODLAND PASTURE	A/D	3.198	YES	80.0	1.721	
				3100	HERBACEOUS RANGELAND	A/D	0.511	YES	80.0	0.275	
				4340	HARDWOOD CONIFER MIXED	A/D	0.550	YES	80.0	0.296	
				5300	RESERVOIRS	A/D	0.118	YES	80.0	0.064	
				5300	RESERVOIRS	A/D	0.047	YES	80.0	0.025	

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				6170	MIXED WETLAND HARDWOODS	A/D	4.442	YES	80.0	2.391	
				6210	CYPRESS	A/D	0.224	YES	80.0	0.121	
				6300	WETLAND FORESTED MIXED	A/D	2.496	YES	80.0	1.343	
				6440	EMERGENT AQUATIC VEGETATION	A/D	0.343	YES	80.0	0.185	
				6460	TREELESS HYDRIC SAVANNA	A/D	4.413	YES	80.0	2.375	
				2130	WOODLAND PASTURE	A	3.790	YES	39.0	0.994	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.001	YES	39.0	0.000	
				5300	RESERVOIRS	A	0.669	YES	39.0	0.176	
				6440	EMERGENT AQUATIC VEGETATION	A	0.823	YES	39.0	0.216	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.938	YES	80.0	0.505	
				2130	WOODLAND PASTURE	B/D	8.464	YES	80.0	4.556	
				3100	HERBACEOUS RANGELAND	B/D	3.810	YES	80.0	2.051	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.580	YES	80.0	0.312	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.196	YES	80.0	0.644	
				5300	RESERVOIRS	B/D	0.173	YES	80.0	0.093	
				5300	RESERVOIRS	B/D	0.729	YES	80.0	0.392	
				6170	MIXED WETLAND HARDWOODS	B/D	1.765	YES	80.0	0.950	
				6170	MIXED WETLAND HARDWOODS	B/D	0.704	YES	80.0	0.379	
				6210	CYPRESS	B/D	2.661	YES	80.0	1.432	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.298	YES	80.0	0.160	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.849	YES	80.0	0.457	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.196	YES	80.0	0.105	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.131	YES	80.0	0.071	
				2130	WOODLAND PASTURE	A	0.937	YES	39.0	0.246	
				1100	LOW DENSITY RESIDENTIAL	B/D	6.330	YES	80.0	3.407	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.379	YES	80.0	0.204	
				2110	IMPROVED PASTURES	B/D	5.012	YES	80.0	2.698	
				2110	IMPROVED PASTURES	B/D	3.473	YES	80.0	1.869	
				2130	WOODLAND PASTURE	B/D	0.210	YES	80.0	0.113	
				1900	OPEN LAND	B/D	11.628	YES	80.0	6.259	
				4110	PINE FLATWOODS	B/D	0.616	YES	80.0	0.332	
				4340	HARDWOOD CONIFER MIXED	B/D	1.433	YES	80.0	0.771	
				6170	MIXED WETLAND HARDWOODS	B/D	2.067	YES	80.0	1.113	
				6300	WETLAND FORESTED MIXED	B/D	3.051	YES	80.0	1.642	
				6300	WETLAND FORESTED MIXED	B/D	0.010	YES	80.0	0.005	
				6410	FRESHWATER MARSHES	B/D	2.191	YES	80.0	1.179	
				6410	FRESHWATER MARSHES	B/D	0.333	YES	80.0	0.179	
				6440	EMERGENT AQUATIC VEGETATION	B/D	1.203	YES	80.0	0.648	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.470	YES	80.0	0.253	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.046	YES	80.0	0.025	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	4.254	YES	39.0	1.116	
				2110	IMPROVED PASTURES	A	0.068	YES	39.0	0.018	
				4110	PINE FLATWOODS	A	0.117	YES	39.0	0.031	
				4340	HARDWOOD CONIFER MIXED	A	0.057	YES	39.0	0.015	
				1100	LOW DENSITY RESIDENTIAL	A	0.051	YES	39.0	0.013	
				3100	HERBACEOUS RANGELAND	A	1.524	YES	39.0	0.400	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.713	YES	39.0	0.449	
				4110	PINE FLATWOODS	A	0.659	YES	39.0	0.173	
				4340	HARDWOOD CONIFER MIXED	A	1.832	YES	39.0	0.481	
				6210	CYPRESS	A	0.076	YES	39.0	0.020	
				6300	WETLAND FORESTED MIXED	A	0.605	YES	39.0	0.159	
				6460	TREELESS HYDRIC SAVANNA	A	2.737	YES	39.0	0.718	
				1100	LOW DENSITY RESIDENTIAL	A	13.179	YES	39.0	3.458	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	4.042	YES	39.0	1.061	
				2110	IMPROVED PASTURES	A	1.240	YES	39.0	0.325	
				2110	IMPROVED PASTURES	A	7.702	YES	39.0	2.021	
				1900	OPEN LAND	A	6.381	YES	39.0	1.674	
				4110	PINE FLATWOODS	A	11.290	YES	39.0	2.962	
				4340	HARDWOOD CONIFER MIXED	A	1.166	YES	39.0	0.306	
				5300	RESERVOIRS	A	0.082	YES	39.0	0.022	
				6170	MIXED WETLAND HARDWOODS	A	0.881	YES	39.0	0.231	
				6210	CYPRESS	A	0.006	YES	39.0	0.002	
				6300	WETLAND FORESTED MIXED	A	1.636	YES	39.0	0.429	
				6300	WETLAND FORESTED MIXED	A	0.206	YES	39.0	0.054	
				6410	FRESHWATER MARSHES	A	0.057	YES	39.0	0.015	
				6440	EMERGENT AQUATIC VEGETATION	A	0.000	YES	39.0	0.000	
				6460	TREELESS HYDRIC SAVANNA	A	1.926	YES	39.0	0.505	
06_M_3200_BC	15.68	0.0%	15.68	1100	LOW DENSITY RESIDENTIAL	A/D	0.186	YES	80.0	0.949	67.9
				3100	HERBACEOUS RANGELAND	A/D	0.660	YES	80.0	3.367	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.211	YES	80.0	6.179	
				4110	PINE FLATWOODS	A/D	0.000	YES	80.0	0.000	
				4340	HARDWOOD CONIFER MIXED	A/D	0.005	YES	80.0	0.026	
				6210	CYPRESS	A/D	7.629	YES	80.0	38.923	
				6410	FRESHWATER MARSHES	A/D	1.205	YES	80.0	6.148	
				1100	LOW DENSITY RESIDENTIAL	A	0.018	YES	39.0	0.045	
				3100	HERBACEOUS RANGELAND	A	1.083	YES	39.0	2.694	
				4110	PINE FLATWOODS	A	0.947	YES	39.0	2.355	
				4340	HARDWOOD CONIFER MIXED	A	0.687	YES	39.0	1.709	
				6210	CYPRESS	A	0.254	YES	39.0	0.632	
				6300	WETLAND FORESTED MIXED	A	0.158	YES	39.0	0.393	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.144	YES	39.0	0.358	
				4110	PINE FLATWOODS	A	0.927	YES	39.0	2.306	
				6210	CYPRESS	A	0.393	YES	39.0	0.977	

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				3100	HERBACEOUS RANGELAND	B/D	0.088	YES	80.0	0.449	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.086	YES	80.0	0.439	
06_M_3250_BC	6.93	0.0%	6.93	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.424	YES	80.0	16.439	67.0
				6210	CYPRESS	A/D	0.353	YES	80.0	4.075	
				6440	EMERGENT AQUATIC VEGETATION	A/D	0.507	YES	80.0	5.853	
				3100	HERBACEOUS RANGELAND	A	0.523	YES	39.0	2.943	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.963	YES	39.0	5.419	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.466	YES	39.0	2.623	
				4340	HARDWOOD CONIFER MIXED	A	0.248	YES	39.0	1.396	
				3100	HERBACEOUS RANGELAND	B/D	0.302	YES	80.0	3.486	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.835	YES	80.0	21.183	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.312	YES	80.0	3.602	
06_M_3300_BC_1	37.76	0.0%	37.76	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.071	YES	80.0	0.150	57.2
				4110	PINE FLATWOODS	A/D	0.062	YES	80.0	0.131	
				4340	HARDWOOD CONIFER MIXED	A/D	0.343	YES	80.0	0.727	
				6210	CYPRESS	A/D	14.415	YES	80.0	30.540	
				6300	WETLAND FORESTED MIXED	A/D	1.884	YES	80.0	3.992	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.171	YES	39.0	1.209	
				4110	PINE FLATWOODS	A	0.849	YES	39.0	0.877	
				4340	HARDWOOD CONIFER MIXED	A	0.259	YES	39.0	0.268	
				6300	WETLAND FORESTED MIXED	A	0.093	YES	39.0	0.096	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.711	YES	39.0	0.734	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.036	YES	39.0	0.037	
				4110	PINE FLATWOODS	A	4.380	YES	39.0	4.524	
				4110	PINE FLATWOODS	A	2.460	YES	39.0	2.541	
				4340	HARDWOOD CONIFER MIXED	A	0.930	YES	39.0	0.961	
				5300	RESERVOIRS	A	0.329	YES	39.0	0.340	
				6210	CYPRESS	A	1.222	YES	39.0	1.262	
				6300	WETLAND FORESTED MIXED	A	7.915	YES	39.0	8.175	
				6410	FRESHWATER MARSHES	A	0.221	YES	39.0	0.228	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.411	YES	39.0	0.424	
06_M_3300_BC_2	1.65	0.0%	1.65	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.003	YES	80.0	0.145	41.4
				6210	CYPRESS	A/D	0.043	YES	80.0	2.085	
				6300	WETLAND FORESTED MIXED	A/D	0.053	YES	80.0	2.570	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.312	YES	39.0	7.375	
				4110	PINE FLATWOODS	A	0.230	YES	39.0	5.436	
				4340	HARDWOOD CONIFER MIXED	A	0.015	YES	39.0	0.355	
				6300	WETLAND FORESTED MIXED	A	0.991	YES	39.0	23.424	
06_M_3400_BC_1	107.94	0.0%	107.94	1100	LOW DENSITY RESIDENTIAL	A	10.235	YES	39.0	3.698	57.0
				4340	HARDWOOD CONIFER MIXED	A	0.708	YES	39.0	0.256	
				6300	WETLAND FORESTED MIXED	A	0.256	YES	39.0	0.092	
				1100	LOW DENSITY RESIDENTIAL	B/D	3.523	YES	80.0	2.611	
				2110	IMPROVED PASTURES	B/D	0.191	YES	80.0	0.142	
				4340	HARDWOOD CONIFER MIXED	B/D	4.580	YES	80.0	3.394	
				6210	CYPRESS	B/D	0.801	YES	80.0	0.594	
				6300	WETLAND FORESTED MIXED	B/D	2.867	YES	80.0	2.125	
				6410	FRESHWATER MARSHES	B/D	0.345	YES	80.0	0.256	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	3.991	YES	39.0	1.442	
				4340	HARDWOOD CONIFER MIXED	A	1.803	YES	39.0	0.651	
				4340	HARDWOOD CONIFER MIXED	A	0.394	YES	39.0	0.142	
				6300	WETLAND FORESTED MIXED	A	0.085	YES	39.0	0.031	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.228	YES	80.0	0.169	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	5.609	YES	80.0	4.157	
				4110	PINE FLATWOODS	A/D	0.344	YES	80.0	0.255	
				4340	HARDWOOD CONIFER MIXED	A/D	0.020	YES	80.0	0.015	
				4340	HARDWOOD CONIFER MIXED	A/D	2.062	YES	80.0	1.528	
				5200	LAKES	A/D	0.243	YES	80.0	0.180	
				5300	RESERVOIRS	A/D	0.823	YES	80.0	0.610	
				6210	CYPRESS	A/D	0.685	YES	80.0	0.508	
				6210	CYPRESS	A/D	2.077	YES	80.0	1.539	
				6300	WETLAND FORESTED MIXED	A/D	0.453	YES	80.0	0.336	
				6300	WETLAND FORESTED MIXED	A/D	15.118	YES	80.0	11.205	
				6410	FRESHWATER MARSHES	A/D	3.156	YES	80.0	2.339	
				6410	FRESHWATER MARSHES	A/D	2.095	YES	80.0	1.553	
				6410	FRESHWATER MARSHES	A/D	0.006	YES	80.0	0.004	
				6410	FRESHWATER MARSHES	A/D	0.445	YES	80.0	0.330	
				6410	FRESHWATER MARSHES	A/D	0.443	YES	80.0	0.328	
				6440	EMERGENT AQUATIC VEGETATION	A/D	0.383	YES	80.0	0.284	
				4340	HARDWOOD CONIFER MIXED	A/D	0.063	YES	80.0	0.047	
				6410	FRESHWATER MARSHES	A/D	0.698	YES	80.0	0.517	
				1100	LOW DENSITY RESIDENTIAL	A	1.586	YES	39.0	0.573	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	10.588	YES	39.0	3.826	
				2110	IMPROVED PASTURES	A	0.266	YES	39.0	0.096	
				4110	PINE FLATWOODS	A	5.049	YES	39.0	1.824	
				4340	HARDWOOD CONIFER MIXED	A	1.399	YES	39.0	0.505	
				4340	HARDWOOD CONIFER MIXED	A	6.346	YES	39.0	2.293	
				5300	RESERVOIRS	A	0.298	YES	39.0	0.108	
				6210	CYPRESS	A	0.205	YES	39.0	0.074	
				6300	WETLAND FORESTED MIXED	A	3.199	YES	39.0	1.156	
				6300	WETLAND FORESTED MIXED	A	3.571	YES	39.0	1.290	
				6410	FRESHWATER MARSHES	A	0.002	YES	39.0	0.001	
				6410	FRESHWATER MARSHES	A	0.008	YES	39.0	0.003	
				6410	FRESHWATER MARSHES	A	0.553	YES	39.0	0.200	

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				6410	FRESHWATER MARSHES	A	0.150	YES	39.0	0.054	
				6440	EMERGENT AQUATIC VEGETATION	A	0.109	YES	39.0	0.039	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.896	YES	39.0	0.324	
				1100	LOW DENSITY RESIDENTIAL	A	8.895	YES	39.0	3.214	
				6300	WETLAND FORESTED MIXED	A	0.092	YES	39.0	0.033	
06 M 3400 BC 2	2.38	0.0%	2.38	1100	LOW DENSITY RESIDENTIAL	B/D	0.107	YES	80.0	3.597	41.4
				6300	WETLAND FORESTED MIXED	B/D	0.037	YES	80.0	1.244	
				1100	LOW DENSITY RESIDENTIAL	A	0.326	YES	39.0	5.342	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.381	YES	39.0	6.243	
				4110	PINE FLATWOODS	A	0.512	YES	39.0	8.390	
				4340	HARDWOOD CONIFER MIXED	A	0.000	YES	39.0	0.000	
				6300	WETLAND FORESTED MIXED	A	0.258	YES	39.0	4.228	
				1100	LOW DENSITY RESIDENTIAL	A	0.741	YES	39.0	12.142	
				6300	WETLAND FORESTED MIXED	A	0.016	YES	39.0	0.262	
06 M 3500 BC 1	33.14	0.0%	33.14	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.695	YES	80.0	1.678	51.6
				2110	IMPROVED PASTURES	B/D	0.410	YES	80.0	0.990	
				4340	HARDWOOD CONIFER MIXED	B/D	0.241	YES	80.0	0.582	
				4340	HARDWOOD CONIFER MIXED	B/D	0.889	YES	80.0	2.146	
				6170	MIXED WETLAND HARDWOODS	B/D	1.575	YES	80.0	3.802	
				6210	CYPRESS	B/D	0.073	YES	80.0	0.176	
				4340	HARDWOOD CONIFER MIXED	A/D	0.021	YES	80.0	0.051	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.500	YES	80.0	1.207	
				4340	HARDWOOD CONIFER MIXED	A/D	0.736	YES	80.0	1.777	
				6170	MIXED WETLAND HARDWOODS	A/D	0.631	YES	80.0	1.523	
				6210	CYPRESS	A/D	3.948	YES	80.0	9.530	
				6410	FRESHWATER MARSHES	A/D	0.475	YES	80.0	1.147	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	9.127	YES	39.0	10.741	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	3.628	YES	39.0	4.270	
				2110	IMPROVED PASTURES	A	1.981	YES	39.0	2.331	
				2110	IMPROVED PASTURES	A	3.815	YES	39.0	4.490	
				1900	OPEN LAND	A	0.021	YES	39.0	0.025	
				4340	HARDWOOD CONIFER MIXED	A	0.521	YES	39.0	0.613	
				4340	HARDWOOD CONIFER MIXED	A	3.233	YES	39.0	3.805	
				6170	MIXED WETLAND HARDWOODS	A	0.233	YES	39.0	0.274	
				6210	CYPRESS	A	0.006	YES	39.0	0.007	
				6410	FRESHWATER MARSHES	A	0.003	YES	39.0	0.004	
				6430	WET PRAIRIES	A	0.376	YES	39.0	0.442	
06 M 3500 BC 2	3.03	0.0%	3.03	2110	IMPROVED PASTURES	B/D	0.045	YES	80.0	1.188	39.9
				4340	HARDWOOD CONIFER MIXED	B/D	0.018	YES	80.0	0.475	
				1100	LOW DENSITY RESIDENTIAL	A	0.596	YES	39.0	7.671	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.191	YES	39.0	2.458	
				2110	IMPROVED PASTURES	A	0.159	YES	39.0	2.047	
				2110	IMPROVED PASTURES	A	0.056	YES	39.0	0.721	
				1900	OPEN LAND	A	1.795	YES	39.0	23.104	
				4340	HARDWOOD CONIFER MIXED	A	0.087	YES	39.0	1.120	
				6430	WET PRAIRIES	A	0.087	YES	39.0	1.120	
06 M 3600 BC 1	324.41	0.0%	324.41	1100	LOW DENSITY RESIDENTIAL	A	10.509	YES	39.0	1.263	45.2
				1100	LOW DENSITY RESIDENTIAL	A	4.257	YES	39.0	0.512	
				4340	HARDWOOD CONIFER MIXED	A	4.827	YES	39.0	0.580	
				4340	HARDWOOD CONIFER MIXED	A	0.005	YES	39.0	0.001	
				6300	WETLAND FORESTED MIXED	A	2.164	YES	39.0	0.260	
				6300	WETLAND FORESTED MIXED	A	0.290	YES	39.0	0.035	
				6410	FRESHWATER MARSHES	A	0.119	YES	39.0	0.014	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.817	YES	80.0	0.201	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	3.295	YES	80.0	0.813	
				2110	IMPROVED PASTURES	B/D	2.313	YES	80.0	0.570	
				4340	HARDWOOD CONIFER MIXED	B/D	0.603	YES	80.0	0.149	
				4340	HARDWOOD CONIFER MIXED	B/D	0.301	YES	80.0	0.074	
				4340	HARDWOOD CONIFER MIXED	B/D	2.045	YES	80.0	0.504	
				6300	WETLAND FORESTED MIXED	B/D	3.623	YES	80.0	0.893	
				6300	WETLAND FORESTED MIXED	B/D	3.635	YES	80.0	0.896	
				6410	FRESHWATER MARSHES	B/D	1.719	YES	80.0	0.424	
				6410	FRESHWATER MARSHES	B/D	0.730	YES	80.0	0.180	
				6460	TREELESS HYDRIC SAVANNA	B/D	1.632	YES	80.0	0.402	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.011	YES	80.0	0.003	
				2110	IMPROVED PASTURES	A/D	0.002	YES	80.0	0.000	
				4340	HARDWOOD CONIFER MIXED	A/D	0.020	YES	80.0	0.005	
				4340	HARDWOOD CONIFER MIXED	A/D	0.008	YES	80.0	0.002	
				6300	WETLAND FORESTED MIXED	A/D	0.482	YES	80.0	0.119	
				6410	FRESHWATER MARSHES	A/D	10.800	YES	80.0	2.663	
				4340	HARDWOOD CONIFER MIXED	A/D	0.252	YES	80.0	0.062	
				6300	WETLAND FORESTED MIXED	A/D	0.004	YES	80.0	0.001	
				6300	WETLAND FORESTED MIXED	A/D	0.214	YES	80.0	0.053	
				6300	WETLAND FORESTED MIXED	A/D	0.401	YES	80.0	0.099	
				6410	FRESHWATER MARSHES	A/D	5.809	YES	80.0	1.433	
				6440	EMERGENT AQUATIC VEGETATION	A/D	4.167	YES	80.0	1.028	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.047	YES	80.0	0.012	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.186	YES	80.0	0.046	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.060	YES	80.0	0.015	
				1100	LOW DENSITY RESIDENTIAL	A	0.433	YES	39.0	0.052	
				4340	HARDWOOD CONIFER MIXED	A	2.042	YES	39.0	0.245	
				6300	WETLAND FORESTED MIXED	A	5.616	YES	39.0	0.675	
				6300	WETLAND FORESTED MIXED	A	0.018	YES	39.0	0.002	

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				6410	FRESHWATER MARSHES	A	0.009	YES	39.0	0.001	
				6410	FRESHWATER MARSHES	A	0.519	YES	39.0	0.062	
				6460	TREELESS HYDRIC SAVANNA	A	1.100	YES	39.0	0.132	
				6460	TREELESS HYDRIC SAVANNA	A	0.172	YES	39.0	0.021	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.266	YES	39.0	0.032	
				4340	HARDWOOD CONIFER MIXED	A	5.256	YES	39.0	0.632	
				6410	FRESHWATER MARSHES	A	0.710	YES	39.0	0.085	
				6300	WETLAND FORESTED MIXED	A	0.036	YES	39.0	0.004	
				4340	HARDWOOD CONIFER MIXED	A/D	0.339	YES	80.0	0.084	
				6300	WETLAND FORESTED MIXED	A/D	2.481	YES	80.0	0.612	
				6410	FRESHWATER MARSHES	A/D	2.632	YES	80.0	0.649	
				6410	FRESHWATER MARSHES	A/D	0.615	YES	80.0	0.152	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.032	YES	80.0	0.008	
				1100	LOW DENSITY RESIDENTIAL	A	25.462	YES	39.0	3.061	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.120	YES	39.0	0.014	
				2110	IMPROVED PASTURES	A	2.589	YES	39.0	0.311	
				4340	HARDWOOD CONIFER MIXED	A	8.103	YES	39.0	0.974	
				4340	HARDWOOD CONIFER MIXED	A	2.905	YES	39.0	0.349	
				4340	HARDWOOD CONIFER MIXED	A	0.009	YES	39.0	0.001	
				4340	HARDWOOD CONIFER MIXED	A	2.915	YES	39.0	0.350	
				1100	LOW DENSITY RESIDENTIAL	A	1.139	YES	39.0	0.137	
				4340	HARDWOOD CONIFER MIXED	A	0.173	YES	39.0	0.021	
				6460	TREELESS HYDRIC SAVANNA	A	0.415	YES	39.0	0.050	
				4340	HARDWOOD CONIFER MIXED	A	0.836	YES	39.0	0.101	
				6300	WETLAND FORESTED MIXED	A	0.158	YES	39.0	0.019	
				1100	LOW DENSITY RESIDENTIAL	A	108.881	YES	39.0	13.089	
				1100	LOW DENSITY RESIDENTIAL	A	3.849	YES	39.0	0.463	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.364	YES	39.0	0.164	
				2110	IMPROVED PASTURES	A	0.164	YES	39.0	0.020	
				4340	HARDWOOD CONIFER MIXED	A	19.077	YES	39.0	2.293	
				4340	HARDWOOD CONIFER MIXED	A	21.537	YES	39.0	2.589	
				4340	HARDWOOD CONIFER MIXED	A	20.119	YES	39.0	2.419	
				4340	HARDWOOD CONIFER MIXED	A	3.577	YES	39.0	0.430	
				4340	HARDWOOD CONIFER MIXED	A	9.632	YES	39.0	1.158	
				5300	RESERVOIRS	A	1.547	YES	39.0	0.186	
				6300	WETLAND FORESTED MIXED	A	0.069	YES	39.0	0.008	
				6410	FRESHWATER MARSHES	A	0.057	YES	39.0	0.007	
				6410	FRESHWATER MARSHES	A	0.304	YES	39.0	0.037	
				6460	TREELESS HYDRIC SAVANNA	A	1.767	YES	39.0	0.212	
				6460	TREELESS HYDRIC SAVANNA	A	0.025	YES	39.0	0.003	
06_M_3600_BC_2	1.73	0.0%	1.73	2110	IMPROVED PASTURES	B/D	0.208	YES	80.0	9.618	59.5
				4340	HARDWOOD CONIFER MIXED	B/D	0.009	YES	80.0	0.416	
				6300	WETLAND FORESTED MIXED	B/D	0.401	YES	80.0	18.543	
				2110	IMPROVED PASTURES	A/D	0.159	YES	80.0	7.353	
				4340	HARDWOOD CONIFER MIXED	A/D	0.073	YES	80.0	3.376	
				6300	WETLAND FORESTED MIXED	A/D	0.013	YES	80.0	0.601	
				4340	HARDWOOD CONIFER MIXED	A	0.047	YES	39.0	1.060	
				6300	WETLAND FORESTED MIXED	A	0.286	YES	39.0	6.447	
				2110	IMPROVED PASTURES	A	0.135	YES	39.0	3.043	
				6300	WETLAND FORESTED MIXED	A	0.059	YES	39.0	1.330	
				4340	HARDWOOD CONIFER MIXED	A	0.340	YES	39.0	7.665	
06_M_3600_BC_3	3.17	0.0%	3.17	4340	HARDWOOD CONIFER MIXED	A	0.532	YES	39.0	6.545	46.3
				6410	FRESHWATER MARSHES	A	0.023	YES	39.0	0.283	
				4340	HARDWOOD CONIFER MIXED	A	0.425	YES	39.0	5.229	
				6410	FRESHWATER MARSHES	A/D	0.567	YES	80.0	14.309	
				4340	HARDWOOD CONIFER MIXED	A	0.115	YES	39.0	1.415	
				4340	HARDWOOD CONIFER MIXED	A	1.474	YES	39.0	18.134	
				6410	FRESHWATER MARSHES	A	0.035	YES	39.0	0.431	
06_M_3600_BC_4	4.94	0.0%	4.94	4340	HARDWOOD CONIFER MIXED	A	0.904	YES	39.0	7.137	39.0
				4410	PINE PLANTATION	A	0.494	YES	39.0	3.900	
				1100	LOW DENSITY RESIDENTIAL	A	0.770	YES	39.0	6.079	
				4340	HARDWOOD CONIFER MIXED	A	0.793	YES	39.0	6.261	
				4340	HARDWOOD CONIFER MIXED	A	1.920	YES	39.0	15.158	
				4410	PINE PLANTATION	A	0.055	YES	39.0	0.434	
06_M_4100_BC_1	95.24	0.0%	95.24	2110	IMPROVED PASTURES	A	0.618	YES	39.0	0.253	55.7
				2110	IMPROVED PASTURES	A/D	0.036	YES	80.0	0.030	
				2110	IMPROVED PASTURES	A/D	0.955	YES	80.0	0.802	
				4120	LONGLEAF PINE - XERIC OAK	A/D	0.852	YES	80.0	0.716	
				4340	HARDWOOD CONIFER MIXED	A/D	0.114	YES	80.0	0.096	
				6210	CYPRESS	A/D	0.751	YES	80.0	0.631	
				6300	WETLAND FORESTED MIXED	A/D	4.834	YES	80.0	4.060	
				6300	WETLAND FORESTED MIXED	A/D	3.651	YES	80.0	3.067	
				6410	FRESHWATER MARSHES	A/D	3.595	YES	80.0	3.020	
				6430	WET PRAIRIES	A/D	1.345	YES	80.0	1.130	
				6460	TREELESS HYDRIC SAVANNA	A/D	15.532	YES	80.0	13.047	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.353	YES	80.0	1.976	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.404	YES	80.0	1.179	
				2110	IMPROVED PASTURES	B/D	0.027	YES	80.0	0.023	
				4120	LONGLEAF PINE - XERIC OAK	B/D	0.989	YES	80.0	0.831	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.150	YES	80.0	0.126	
				1100	LOW DENSITY RESIDENTIAL	A	4.230	YES	39.0	1.732	
				2110	IMPROVED PASTURES	A	2.581	YES	39.0	1.057	
				2110	IMPROVED PASTURES	A	13.657	YES	39.0	5.592	

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				2130	WOODLAND PASTURE	A	3.689	YES	39.0	1.511	
				4120	LONGLEAF PINE - XERIC OAK	A	10.543	YES	39.0	4.317	
				4340	HARDWOOD CONIFER MIXED	A	1.071	YES	39.0	0.439	
				6210	CYPRESS	A	0.538	YES	39.0	0.220	
				6300	WETLAND FORESTED MIXED	A	1.323	YES	39.0	0.542	
				6300	WETLAND FORESTED MIXED	A	0.696	YES	39.0	0.285	
				6410	FRESHWATER MARSHES	A	0.271	YES	39.0	0.111	
				6430	WET PRAIRIES	A	0.815	YES	39.0	0.334	
				6460	TREELESS HYDRIC SAVANNA	A	1.366	YES	39.0	0.559	
				6460	TREELESS HYDRIC SAVANNA	A	0.266	YES	39.0	0.109	
				1100	LOW DENSITY RESIDENTIAL	A	0.030	YES	39.0	0.012	
				2110	IMPROVED PASTURES	A	0.058	YES	39.0	0.024	
				2110	IMPROVED PASTURES	A	0.200	YES	39.0	0.082	
				4120	LONGLEAF PINE - XERIC OAK	A	9.440	YES	39.0	3.866	
				2110	IMPROVED PASTURES	B/D	1.680	YES	80.0	1.411	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.644	YES	80.0	0.541	
				1100	LOW DENSITY RESIDENTIAL	A	3.413	YES	39.0	1.398	
				2130	WOODLAND PASTURE	A	1.518	YES	39.0	0.622	
06 M 4100 BC 2	3.17	0.0%	3.17	1100	LOW DENSITY RESIDENTIAL	B/D	0.028	YES	80.0	0.707	39.3
				1100	LOW DENSITY RESIDENTIAL	A	0.398	YES	39.0	4.897	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.169	YES	39.0	2.079	
				2110	IMPROVED PASTURES	A	0.039	YES	39.0	0.480	
				4110	PINE FLATWOODS	A	0.427	YES	39.0	5.253	
				4340	HARDWOOD CONIFER MIXED	A	0.106	YES	39.0	1.304	
				6210	CYPRESS	A	0.095	YES	39.0	1.169	
				6300	WETLAND FORESTED MIXED	A	0.478	YES	39.0	5.881	
				6410	FRESHWATER MARSHES	A	0.035	YES	39.0	0.431	
				6430	WET PRAIRIES	A	0.103	YES	39.0	1.267	
				6460	TREELESS HYDRIC SAVANNA	A	0.056	YES	39.0	0.689	
				1100	LOW DENSITY RESIDENTIAL	A	1.079	YES	39.0	13.275	
				2130	WOODLAND PASTURE	A	0.151	YES	39.0	1.858	
06 M 4200 BC 1	16.07	0.0%	16.07	2110	IMPROVED PASTURES	A	8.273	YES	39.0	20.078	39.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	3.486	YES	39.0	8.460	
				5300	RESERVOIRS	A	0.688	YES	39.0	1.670	
				6300	WETLAND FORESTED MIXED	A	3.063	YES	39.0	7.434	
				6410	FRESHWATER MARSHES	A	0.564	YES	39.0	1.369	
06 M 4200 BC 2	1.63	0.0%	1.63	2110	IMPROVED PASTURES	A	0.248	YES	39.0	5.934	39.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.405	YES	39.0	9.690	
				4110	PINE FLATWOODS	A	0.186	YES	39.0	4.450	
				6300	WETLAND FORESTED MIXED	A	0.755	YES	39.0	18.064	
				6410	FRESHWATER MARSHES	A	0.034	YES	39.0	0.813	
06 M 5000 BC	2.25	0.0%	2.25	2110	IMPROVED PASTURES	B/D	0.072	YES	80.0	2.560	40.3
				1100	LOW DENSITY RESIDENTIAL	A	0.998	YES	39.0	17.299	
				2110	IMPROVED PASTURES	A	0.289	YES	39.0	5.009	
				2210	CITRUS GROVES	A	0.318	YES	39.0	5.512	
				1900	OPEN LAND	A	0.570	YES	39.0	9.880	
06 M 5100 BC	11.47	0.0%	11.47	2110	IMPROVED PASTURES	B/D	0.395	YES	80.0	2.755	40.4
				1100	LOW DENSITY RESIDENTIAL	A	3.277	YES	39.0	11.142	
				2110	IMPROVED PASTURES	A	3.357	YES	39.0	11.414	
				2210	CITRUS GROVES	A	0.006	YES	39.0	0.020	
				5300	RESERVOIRS	A	0.485	YES	39.0	1.649	
				2110	IMPROVED PASTURES	A	3.940	YES	39.0	13.397	
				5300	RESERVOIRS	A	0.009	YES	39.0	0.031	
06 M 5200 BC	4.95	0.0%	4.95	2110	IMPROVED PASTURES	A	0.032	YES	39.0	0.252	43.5
				4340	HARDWOOD CONIFER MIXED	A	0.846	YES	39.0	6.665	
				6410	FRESHWATER MARSHES	A	0.018	YES	39.0	0.142	
				4340	HARDWOOD CONIFER MIXED	A	0.766	YES	39.0	6.035	
				6410	FRESHWATER MARSHES	A/D	0.546	YES	80.0	8.824	
				2110	IMPROVED PASTURES	A	0.415	YES	39.0	3.270	
				4340	HARDWOOD CONIFER MIXED	A	0.515	YES	39.0	4.058	
				2110	IMPROVED PASTURES	A	0.274	YES	39.0	2.159	
				4340	HARDWOOD CONIFER MIXED	A	1.522	YES	39.0	11.992	
				6410	FRESHWATER MARSHES	A	0.015	YES	39.0	0.118	
06 M 5300 BC	4.10	0.0%	4.10	4340	HARDWOOD CONIFER MIXED	A	0.809	YES	39.0	7.695	39.0
				4340	HARDWOOD CONIFER MIXED	A	0.030	YES	39.0	0.285	
				4410	PINE PLANTATION	A	0.376	YES	39.0	3.577	
				1100	LOW DENSITY RESIDENTIAL	A	0.247	YES	39.0	2.350	
				4340	HARDWOOD CONIFER MIXED	A	0.912	YES	39.0	8.675	
				4340	HARDWOOD CONIFER MIXED	A	1.722	YES	39.0	16.380	
				4410	PINE PLANTATION	A	0.000	YES	39.0	0.000	
06 M 5400 BC	1.89	0.0%	1.89	2110	IMPROVED PASTURES	B/D	0.351	YES	80.0	14.857	60.1
				6300	WETLAND FORESTED MIXED	B/D	0.276	YES	80.0	11.683	
				6410	FRESHWATER MARSHES	B/D	0.007	YES	80.0	0.296	
				6300	WETLAND FORESTED MIXED	A/D	0.000	YES	80.0	0.000	
				6410	FRESHWATER MARSHES	A/D	0.042	YES	80.0	1.778	
				2110	IMPROVED PASTURES	A/D	0.296	YES	80.0	12.529	
				4340	HARDWOOD CONIFER MIXED	A	0.098	YES	39.0	2.022	
				6300	WETLAND FORESTED MIXED	A	0.187	YES	39.0	3.859	
				6410	FRESHWATER MARSHES	A	0.011	YES	39.0	0.227	
				2110	IMPROVED PASTURES	A	0.311	YES	39.0	6.417	
				4340	HARDWOOD CONIFER MIXED	A	0.310	YES	39.0	6.397	
06 M 5500 BC	202.79	0.0%	202.79	2110	IMPROVED PASTURES	B/D	3.321	YES	80.0	1.310	45.0
				5300	RESERVOIRS	B/D	0.332	YES	80.0	0.131	

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SUBBASIN NAME	SUBBASIN AREA (ACRES)	% DCIA	SUBBASIN AREA LESS DCIA	LAND USE CODE	LAND USE*	SOIL HYDRO GROUP	SUBBASIN TO LANDUSE TO SOIL INTERSECTED AREA (AC)	Pervious Area	CN REFERENCE VALUE**	CN RATIO	WEIGHTED CN***
				6300	WETLAND FORESTED MIXED	B/D	0.344	YES	80.0	0.136	
				6410	FRESHWATER MARSHES	B/D	0.056	YES	80.0	0.022	
				1100	LOW DENSITY RESIDENTIAL	A	1.750	YES	39.0	0.337	
				4340	HARDWOOD CONIFER MIXED	A	1.460	YES	39.0	0.281	
				6410	FRESHWATER MARSHES	A	0.185	YES	39.0	0.036	
				2110	IMPROVED PASTURES	A/D	1.040	YES	80.0	0.410	
				4340	HARDWOOD CONIFER MIXED	A/D	0.143	YES	80.0	0.056	
				6300	WETLAND FORESTED MIXED	A/D	0.891	YES	80.0	0.351	
				6300	WETLAND FORESTED MIXED	A/D	0.182	YES	80.0	0.072	
				6410	FRESHWATER MARSHES	A/D	7.248	YES	80.0	2.859	
				6410	FRESHWATER MARSHES	A/D	1.889	YES	80.0	0.745	
				2110	IMPROVED PASTURES	A/D	0.686	YES	80.0	0.271	
				5300	RESERVOIRS	A/D	0.672	YES	80.0	0.265	
				2110	IMPROVED PASTURES	A	12.218	YES	39.0	2.350	
				4340	HARDWOOD CONIFER MIXED	A	0.014	YES	39.0	0.003	
				4340	HARDWOOD CONIFER MIXED	A	0.922	YES	39.0	0.177	
				5300	RESERVOIRS	A	0.003	YES	39.0	0.001	
				5300	RESERVOIRS	A	0.668	YES	39.0	0.128	
				6300	WETLAND FORESTED MIXED	A	5.759	YES	39.0	1.108	
				6300	WETLAND FORESTED MIXED	A	0.028	YES	39.0	0.005	
				6410	FRESHWATER MARSHES	A	0.159	YES	39.0	0.031	
				6410	FRESHWATER MARSHES	A	1.101	YES	39.0	0.212	
				6410	FRESHWATER MARSHES	A	0.251	YES	39.0	0.048	
				6410	FRESHWATER MARSHES	A	0.054	YES	39.0	0.010	
				6440	EMERGENT AQUATIC VEGETATION	A	0.165	YES	39.0	0.032	
				6460	TREELESS HYDRIC SAVANNA	A	0.623	YES	39.0	0.120	
				1100	LOW DENSITY RESIDENTIAL	A	3.514	YES	39.0	0.676	
				2110	IMPROVED PASTURES	A	0.130	YES	39.0	0.025	
				4340	HARDWOOD CONIFER MIXED	A	0.593	YES	39.0	0.114	
				1620	SAND AND GRAVEL PIT	A	0.542	YES	39.0	0.104	
				4340	HARDWOOD CONIFER MIXED	A	1.306	YES	39.0	0.251	
				1100	LOW DENSITY RESIDENTIAL	A/D	1.238	YES	80.0	0.488	
				2110	IMPROVED PASTURES	A/D	0.158	YES	80.0	0.062	
				4340	HARDWOOD CONIFER MIXED	A/D	0.127	YES	80.0	0.050	
				6410	FRESHWATER MARSHES	A/D	2.182	YES	80.0	0.861	
				6410	FRESHWATER MARSHES	A/D	7.465	YES	80.0	2.945	
				6430	WET PRAIRIES	A/D	0.637	YES	80.0	0.251	
				1100	LOW DENSITY RESIDENTIAL	A	5.818	YES	39.0	1.119	
				2110	IMPROVED PASTURES	A	40.218	YES	39.0	7.735	
				2210	CITRUS GROVES	A	13.811	YES	39.0	2.656	
				4340	HARDWOOD CONIFER MIXED	A	3.292	YES	39.0	0.633	
				4340	HARDWOOD CONIFER MIXED	A	5.895	YES	39.0	1.134	
				5300	RESERVOIRS	A	0.451	YES	39.0	0.087	
				5300	RESERVOIRS	A	0.919	YES	39.0	0.177	
				5300	RESERVOIRS	A	2.028	YES	39.0	0.390	
				5300	RESERVOIRS	A	0.011	YES	39.0	0.002	
				5300	RESERVOIRS	A	0.325	YES	39.0	0.063	
				6410	FRESHWATER MARSHES	A	0.074	YES	39.0	0.014	
				6410	FRESHWATER MARSHES	A	0.572	YES	39.0	0.110	
				6410	FRESHWATER MARSHES	A	1.862	YES	39.0	0.358	
				6410	FRESHWATER MARSHES	A	0.181	YES	39.0	0.035	
				6410	FRESHWATER MARSHES	A	0.152	YES	39.0	0.029	
				6430	WET PRAIRIES	A	0.148	YES	39.0	0.028	
				6440	EMERGENT AQUATIC VEGETATION	A	9.863	YES	39.0	1.897	
				4340	HARDWOOD CONIFER MIXED	A/D	0.005	YES	80.0	0.002	
				4340	HARDWOOD CONIFER MIXED	A/D	0.006	YES	80.0	0.002	
				6410	FRESHWATER MARSHES	A/D	0.972	YES	80.0	0.383	
				2110	IMPROVED PASTURES	A	5.887	YES	39.0	1.132	
				4340	HARDWOOD CONIFER MIXED	A	0.367	YES	39.0	0.071	
				6300	WETLAND FORESTED MIXED	A	0.014	YES	39.0	0.003	
				1100	LOW DENSITY RESIDENTIAL	A	16.425	YES	39.0	3.159	
				1620	SAND AND GRAVEL PIT	A	10.123	YES	39.0	1.947	
				2110	IMPROVED PASTURES	A	11.625	YES	39.0	2.236	
				4340	HARDWOOD CONIFER MIXED	A	8.783	YES	39.0	1.689	
				4340	HARDWOOD CONIFER MIXED	A	0.218	YES	39.0	0.042	
				6410	FRESHWATER MARSHES	A	0.020	YES	39.0	0.004	
				6440	EMERGENT AQUATIC VEGETATION	A	0.620	YES	39.0	0.119	
				6440	EMERGENT AQUATIC VEGETATION	A	2.041	YES	39.0	0.393	
06 M 5600 BC	742.50	0.0%	742.50	1100	LOW DENSITY RESIDENTIAL	A/D	0.234	YES	80.0	0.025	48.7
				4340	HARDWOOD CONIFER MIXED	A/D	0.121	YES	80.0	0.013	
				4410	PINE PLANTATION	A/D	0.101	YES	80.0	0.011	
				5200	LAKES	A/D	1.573	YES	80.0	0.169	
				6410	FRESHWATER MARSHES	A/D	1.071	YES	80.0	0.115	
				6430	WET PRAIRIES	A/D	1.130	YES	80.0	0.122	
				2110	IMPROVED PASTURES	A/D	1.599	YES	80.0	0.172	
				2510	HORSE FARMS	A/D	0.385	YES	80.0	0.041	
				4340	HARDWOOD CONIFER MIXED	A/D	0.091	YES	80.0	0.010	
				4340	HARDWOOD CONIFER MIXED	A/D	0.509	YES	80.0	0.055	
				4410	PINE PLANTATION	A/D	1.355	YES	80.0	0.146	
				1100	LOW DENSITY RESIDENTIAL	A	15.405	YES	39.0	0.809	
				3100	HERBACEOUS RANGELAND	A	0.190	YES	39.0	0.010	
				3200	SHRUB AND BRUSH RANGELAND	A	0.759	YES	39.0	0.040	
				4340	HARDWOOD CONIFER MIXED	A	0.182	YES	39.0	0.010	

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				6210	CYPRESS	A	0.718	YES	39.0	0.038	
				6300	WETLAND FORESTED MIXED	A	1.527	YES	39.0	0.080	
				6410	FRESHWATER MARSHES	A	0.086	YES	39.0	0.005	
				6410	FRESHWATER MARSHES	A	1.105	YES	39.0	0.058	
				6410	FRESHWATER MARSHES	A	0.590	YES	39.0	0.031	
				6410	FRESHWATER MARSHES	A	0.040	YES	39.0	0.002	
				1100	LOW DENSITY RESIDENTIAL	A/D	2.391	YES	80.0	0.258	
				6210	CYPRESS	A/D	2.684	YES	80.0	0.289	
				6410	FRESHWATER MARSHES	A/D	4.266	YES	80.0	0.460	
				2510	HORSE FARMS	A/D	3.699	YES	80.0	0.399	
				6430	WET PRAIRIES	A/D	0.535	YES	80.0	0.058	
				6440	EMERGENT AQUATIC VEGETATION	A/D	0.433	YES	80.0	0.047	
				1100	LOW DENSITY RESIDENTIAL	A	0.067	YES	39.0	0.004	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	5.095	YES	39.0	0.268	
				4340	HARDWOOD CONIFER MIXED	A	0.300	YES	39.0	0.016	
				4410	PINE PLANTATION	A	7.985	YES	39.0	0.419	
				1100	LOW DENSITY RESIDENTIAL	A	2.932	YES	39.0	0.154	
				2110	IMPROVED PASTURES	A	2.396	YES	39.0	0.126	
				6300	WETLAND FORESTED MIXED	A	0.128	YES	39.0	0.007	
				1100	LOW DENSITY RESIDENTIAL	A	20.806	YES	39.0	1.093	
				4340	HARDWOOD CONIFER MIXED	A	1.720	YES	39.0	0.090	
				6440	EMERGENT AQUATIC VEGETATION	A	0.232	YES	39.0	0.012	
				1100	LOW DENSITY RESIDENTIAL	A	4.628	YES	39.0	0.243	
				3100	HERBACEOUS RANGELAND	A	1.300	YES	39.0	0.068	
				3200	SHRUB AND BRUSH RANGELAND	A	0.841	YES	39.0	0.044	
				3200	SHRUB AND BRUSH RANGELAND	A	0.695	YES	39.0	0.037	
				6410	FRESHWATER MARSHES	A	0.002	YES	39.0	0.000	
				1100	LOW DENSITY RESIDENTIAL	W	2.928	YES	98.0	0.386	
				2110	IMPROVED PASTURES	W	1.240	YES	98.0	0.164	
				4110	PINE FLATWOODS	W	0.109	YES	98.0	0.014	
				4110	PINE FLATWOODS	W	0.384	YES	98.0	0.051	
				4340	HARDWOOD CONIFER MIXED	W	0.215	YES	98.0	0.028	
				4340	HARDWOOD CONIFER MIXED	W	0.035	YES	98.0	0.005	
				5200	LAKES	W	0.295	YES	98.0	0.039	
				6300	WETLAND FORESTED MIXED	W	0.013	YES	98.0	0.002	
				6410	FRESHWATER MARSHES	W	4.188	YES	98.0	0.553	
				6410	FRESHWATER MARSHES	W	40.304	YES	98.0	5.320	
				6410	FRESHWATER MARSHES	W	0.341	YES	98.0	0.045	
				6410	FRESHWATER MARSHES	W	2.428	YES	98.0	0.320	
				6410	FRESHWATER MARSHES	W	0.713	YES	98.0	0.094	
				6410	FRESHWATER MARSHES	W	1.234	YES	98.0	0.163	
				6440	EMERGENT AQUATIC VEGETATION	W	4.139	YES	98.0	0.546	
				6440	EMERGENT AQUATIC VEGETATION	W	12.927	YES	98.0	1.706	
				6460	TREELESS HYDRIC SAVANNA	W	1.850	YES	98.0	0.244	
				1100	LOW DENSITY RESIDENTIAL	A	3.042	YES	39.0	0.160	
				3100	HERBACEOUS RANGELAND	A	0.939	YES	39.0	0.049	
				4110	PINE FLATWOODS	A	3.096	YES	39.0	0.163	
				4340	HARDWOOD CONIFER MIXED	A	6.370	YES	39.0	0.335	
				6410	FRESHWATER MARSHES	A	0.345	YES	39.0	0.018	
				1100	LOW DENSITY RESIDENTIAL	A/D	21.261	YES	80.0	2.291	
				2110	IMPROVED PASTURES	A/D	10.506	YES	80.0	1.132	
				5200	LAKES	A/D	0.497	YES	80.0	0.054	
				5200	LAKES	A/D	0.429	YES	80.0	0.046	
				6210	CYPRESS	A/D	1.022	YES	80.0	0.110	
				6300	WETLAND FORESTED MIXED	A/D	5.579	YES	80.0	0.601	
				6410	FRESHWATER MARSHES	A/D	0.555	YES	80.0	0.060	
				6410	FRESHWATER MARSHES	A/D	0.024	YES	80.0	0.003	
				6410	FRESHWATER MARSHES	A/D	0.599	YES	80.0	0.065	
				6410	FRESHWATER MARSHES	A/D	0.064	YES	80.0	0.007	
				6440	EMERGENT AQUATIC VEGETATION	A/D	0.162	YES	80.0	0.017	
				1100	LOW DENSITY RESIDENTIAL	A	11.637	YES	39.0	0.611	
				2110	IMPROVED PASTURES	A	5.251	YES	39.0	0.276	
				2510	HORSE FARMS	A	8.199	YES	39.0	0.431	
				3200	SHRUB AND BRUSH RANGELAND	A	0.465	YES	39.0	0.024	
				3200	SHRUB AND BRUSH RANGELAND	A	0.000	YES	39.0	0.000	
				4110	PINE FLATWOODS	A	1.032	YES	39.0	0.054	
				4110	PINE FLATWOODS	A	0.402	YES	39.0	0.021	
				4110	PINE FLATWOODS	A	4.888	YES	39.0	0.257	
				4340	HARDWOOD CONIFER MIXED	A	5.134	YES	39.0	0.270	
				4340	HARDWOOD CONIFER MIXED	A	6.576	YES	39.0	0.345	
				4340	HARDWOOD CONIFER MIXED	A	1.918	YES	39.0	0.101	
				4410	PINE PLANTATION	A	5.645	YES	39.0	0.297	
				5200	LAKES	A	0.011	YES	39.0	0.001	
				6410	FRESHWATER MARSHES	A	2.210	YES	39.0	0.116	
				6410	FRESHWATER MARSHES	A	0.307	YES	39.0	0.016	
				6410	FRESHWATER MARSHES	A	0.851	YES	39.0	0.045	
				6410	FRESHWATER MARSHES	A	0.009	YES	39.0	0.000	
				6410	FRESHWATER MARSHES	A	0.009	YES	39.0	0.000	
				6430	WET PRAIRIES	A	0.443	YES	39.0	0.023	
				6440	EMERGENT AQUATIC VEGETATION	A	0.129	YES	39.0	0.007	
				6440	EMERGENT AQUATIC VEGETATION	A	0.010	YES	39.0	0.001	
				6440	EMERGENT AQUATIC VEGETATION	A	0.428	YES	39.0	0.022	
				1100	LOW DENSITY RESIDENTIAL	A/D	3.734	YES	80.0	0.402	

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				6300	WETLAND FORESTED MIXED	A/D	0.052	YES	80.0	0.006	
				6410	FRESHWATER MARSHES	A/D	1.866	YES	80.0	0.201	
				1100	LOW DENSITY RESIDENTIAL	A	71.209	YES	39.0	3.740	
				2130	WOODLAND PASTURE	A	16.014	YES	39.0	0.841	
				2210	CITRUS GROVES	A	12.152	YES	39.0	0.638	
				2510	HORSE FARMS	A	1.594	YES	39.0	0.084	
				3200	SHRUB AND BRUSH RANGELAND	A	3.153	YES	39.0	0.166	
				3200	SHRUB AND BRUSH RANGELAND	A	2.799	YES	39.0	0.147	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	5.423	YES	39.0	0.285	
				4110	PINE FLATWOODS	A	0.274	YES	39.0	0.014	
				4110	PINE FLATWOODS	A	0.449	YES	39.0	0.024	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	13.298	YES	39.0	0.698	
				4340	HARDWOOD CONIFER MIXED	A	9.254	YES	39.0	0.486	
				4340	HARDWOOD CONIFER MIXED	A	14.999	YES	39.0	0.788	
				4340	HARDWOOD CONIFER MIXED	A	0.250	YES	39.0	0.013	
				4340	HARDWOOD CONIFER MIXED	A	3.228	YES	39.0	0.170	
				4410	PINE PLANTATION	A	19.893	YES	39.0	1.045	
				6410	FRESHWATER MARSHES	A	0.067	YES	39.0	0.004	
				6410	FRESHWATER MARSHES	A	0.284	YES	39.0	0.015	
				6430	WET PRAIRIES	A	0.205	YES	39.0	0.011	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.369	YES	39.0	0.072	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	3.634	YES	39.0	0.191	
				4340	HARDWOOD CONIFER MIXED	A	1.188	YES	39.0	0.062	
				1100	LOW DENSITY RESIDENTIAL	A	3.325	YES	39.0	0.175	
				1100	LOW DENSITY RESIDENTIAL	A	0.603	YES	39.0	0.032	
				4340	HARDWOOD CONIFER MIXED	A	6.146	YES	39.0	0.323	
				4410	PINE PLANTATION	A	5.825	YES	39.0	0.306	
				1100	LOW DENSITY RESIDENTIAL	A	4.094	YES	39.0	0.215	
				1100	LOW DENSITY RESIDENTIAL	A	16.334	YES	39.0	0.858	
				1100	LOW DENSITY RESIDENTIAL	A	2.902	YES	39.0	0.152	
				1100	LOW DENSITY RESIDENTIAL	A	1.265	YES	39.0	0.066	
				2150	FIELD CROPS	A	1.294	YES	39.0	0.068	
				4110	PINE FLATWOODS	A	0.216	YES	39.0	0.011	
				4340	HARDWOOD CONIFER MIXED	A	29.249	YES	39.0	1.536	
				4410	PINE PLANTATION	A	1.773	YES	39.0	0.093	
				6410	FRESHWATER MARSHES	A	1.073	YES	39.0	0.056	
				7400	DISTURBED LAND / MINING	A	1.407	YES	39.0	0.074	
				4340	HARDWOOD CONIFER MIXED	A/D	0.116	YES	80.0	0.012	
				6410	FRESHWATER MARSHES	A/D	1.378	YES	80.0	0.148	
				1100	LOW DENSITY RESIDENTIAL	A	7.791	YES	39.0	0.409	
				6410	FRESHWATER MARSHES	A	0.968	YES	39.0	0.051	
				6440	EMERGENT AQUATIC VEGETATION	A	0.260	YES	39.0	0.014	
				1100	LOW DENSITY RESIDENTIAL	A	3.629	YES	39.0	0.191	
				1100	LOW DENSITY RESIDENTIAL	A	4.686	YES	39.0	0.246	
				1100	LOW DENSITY RESIDENTIAL	A	2.503	YES	39.0	0.131	
				1100	LOW DENSITY RESIDENTIAL	A	75.428	YES	39.0	3.962	
				3100	HERBACEOUS RANGELAND	A	7.197	YES	39.0	0.378	
				3100	HERBACEOUS RANGELAND	A	1.637	YES	39.0	0.086	
				3200	SHRUB AND BRUSH RANGELAND	A	1.370	YES	39.0	0.072	
				3200	SHRUB AND BRUSH RANGELAND	A	2.321	YES	39.0	0.122	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	12.387	YES	39.0	0.651	
				4110	PINE FLATWOODS	A	6.234	YES	39.0	0.327	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	5.795	YES	39.0	0.304	
				4340	HARDWOOD CONIFER MIXED	A	64.125	YES	39.0	3.368	
				4340	HARDWOOD CONIFER MIXED	A	6.496	YES	39.0	0.341	
				6410	FRESHWATER MARSHES	A	0.243	YES	39.0	0.013	
				6410	FRESHWATER MARSHES	A	0.001	YES	39.0	0.000	
				6410	FRESHWATER MARSHES	A	0.750	YES	39.0	0.039	
				7400	DISTURBED LAND / MINING	A	0.001	YES	39.0	0.000	
ML0000	141.41	0.0%	141.41	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	6.562	YES	80.0	3.712	79.8
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	4.448	YES	80.0	2.516	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	16.865	YES	80.0	9.541	
				6170	MIXED WETLAND HARDWOODS	B/D	9.193	YES	80.0	5.201	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.414	YES	80.0	0.234	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	3.471	YES	80.0	1.964	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	5.335	YES	80.0	3.018	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.856	YES	80.0	0.484	
				6181	CABBAGE PALM HAMMOCK	A/D	1.229	YES	80.0	0.695	
				6181	CABBAGE PALM HAMMOCK	A/D	3.503	YES	80.0	1.982	
				6170	MIXED WETLAND HARDWOODS	A/D	47.680	YES	80.0	26.974	
				6410	FRESHWATER MARSHES	A/D	0.220	YES	80.0	0.124	
				6460	TREELESS HYDRIC SAVANNA	A/D	3.508	YES	80.0	1.985	
				4340	HARDWOOD CONIFER MIXED	A/D	0.017	YES	80.0	0.010	
				6170	MIXED WETLAND HARDWOODS	A/D	0.187	YES	80.0	0.106	
				6410	FRESHWATER MARSHES	A/D	0.212	YES	80.0	0.120	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.440	YES	39.0	0.121	
				6170	MIXED WETLAND HARDWOODS	A	0.323	YES	39.0	0.089	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.017	YES	80.0	0.010	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.375	YES	80.0	0.778	
				4340	HARDWOOD CONIFER MIXED	A/D	0.007	YES	80.0	0.004	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.570	YES	80.0	0.888	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.795	YES	80.0	1.581	
				4340	HARDWOOD CONIFER MIXED	B/D	0.442	YES	80.0	0.250	

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SUBBASIN NAME	SUBBASIN AREA (ACRES)	% DCIA	SUBBASIN AREA LESS DCIA	LAND USE CODE	LAND USE*	SOIL HYDRO GROUP	SUBBASIN TO LANDUSE TO SOIL INTERSECTED AREA (AC)	Pervious Area	CN REFERENCE VALUE**	CN RATIO	WEIGHTED CN***
				6170	MIXED WETLAND HARDWOODS	B/D	0.895	YES	80.0	0.506	
				6410	FRESHWATER MARSHES	B/D	5.091	YES	80.0	2.880	
				6460	TREELESS HYDRIC SAVANNA	B/D	13.002	YES	80.0	7.356	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	4.895	YES	80.0	2.769	
				6181	CABBAGE PALM HAMMOCK	B/D	0.189	YES	80.0	0.107	
				6170	MIXED WETLAND HARDWOODS	B/D	6.671	YES	80.0	3.774	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.000	YES	80.0	0.000	
ML0050	8.17	0.0%	8.17	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.358	YES	80.0	3.506	80.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.105	YES	80.0	20.612	
				6170	MIXED WETLAND HARDWOODS	A/D	0.640	YES	80.0	6.267	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.883	YES	80.0	28.230	
ML0100	53.39	0.0%	53.39	6170	MIXED WETLAND HARDWOODS	B/D	2.179	YES	80.0	21.337	
				2110	IMPROVED PASTURES	A	1.919	YES	39.0	1.402	70.3
				4340	HARDWOOD CONIFER MIXED	A	3.609	YES	39.0	2.636	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	3.081	YES	80.0	4.617	
				2110	IMPROVED PASTURES	B/D	1.831	YES	80.0	2.744	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	16.149	YES	80.0	24.198	
				4340	HARDWOOD CONIFER MIXED	B/D	4.062	YES	80.0	6.087	
				4340	HARDWOOD CONIFER MIXED	B/D	1.809	YES	80.0	2.711	
				6170	MIXED WETLAND HARDWOODS	B/D	3.364	YES	80.0	5.041	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.752	YES	80.0	1.127	
				4340	HARDWOOD CONIFER MIXED	A/D	0.013	YES	80.0	0.019	
				6181	CABBAGE PALM HAMMOCK	A/D	0.067	YES	80.0	0.100	
				6170	MIXED WETLAND HARDWOODS	A/D	9.630	YES	80.0	14.430	
				2110	IMPROVED PASTURES	A	5.047	YES	39.0	3.687	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.955	YES	39.0	1.428	
ML0110	8.96	0.0%	8.96	4340	HARDWOOD CONIFER MIXED	A	0.102	YES	39.0	0.075	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	2.408	YES	39.0	10.481	67.4
				6170	MIXED WETLAND HARDWOODS	A	0.350	YES	39.0	1.523	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.362	YES	80.0	3.232	
				6170	MIXED WETLAND HARDWOODS	B/D	0.323	YES	80.0	2.884	
				4110	PINE FLATWOODS	A/D	0.679	YES	80.0	6.063	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.914	YES	80.0	8.161	
				4340	HARDWOOD CONIFER MIXED	A/D	0.003	YES	80.0	0.027	
				6170	MIXED WETLAND HARDWOODS	A/D	1.621	YES	80.0	14.473	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.272	YES	80.0	2.429	
ML0120	1.04	0.0%	1.04	6170	MIXED WETLAND HARDWOODS	B/D	2.028	YES	80.0	18.107	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.177	YES	80.0	13.615	61.6
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.136	YES	39.0	5.100	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.341	YES	39.0	12.788	
ML0150	23.01	0.0%	23.01	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.391	YES	80.0	30.077	
				2110	IMPROVED PASTURES	A	0.513	YES	39.0	0.869	63.6
				4340	HARDWOOD CONIFER MIXED	A	2.085	YES	39.0	3.534	
				2110	IMPROVED PASTURES	A/D	0.331	YES	80.0	1.151	
				2110	IMPROVED PASTURES	A	5.774	YES	39.0	9.786	
				4340	HARDWOOD CONIFER MIXED	A	0.257	YES	39.0	0.436	
				5200	LAKES	A	0.024	YES	39.0	0.041	
				6410	FRESHWATER MARSHES	A	0.412	YES	39.0	0.698	
				2110	IMPROVED PASTURES	A	0.120	YES	39.0	0.203	
				2110	IMPROVED PASTURES	B/D	11.027	YES	80.0	38.338	
				5200	LAKES	B/D	1.140	YES	80.0	3.963	
				6410	FRESHWATER MARSHES	B/D	1.309	YES	80.0	4.551	
ML0200	58.29	0.0%	58.29	6460	TREELESS HYDRIC SAVANNA	B/D	0.018	YES	80.0	0.063	
				4110	PINE FLATWOODS	B/D	0.546	YES	80.0	0.749	80.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.139	YES	80.0	2.936	
				6460	TREELESS HYDRIC SAVANNA	B/D	5.674	YES	80.0	7.787	
				4110	PINE FLATWOODS	A/D	6.742	YES	80.0	9.253	
				4110	PINE FLATWOODS	A/D	3.768	YES	80.0	5.171	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	12.303	YES	80.0	16.885	
				4340	HARDWOOD CONIFER MIXED	A/D	3.383	YES	80.0	4.643	
				6170	MIXED WETLAND HARDWOODS	A/D	2.415	YES	80.0	3.314	
				6300	WETLAND FORESTED MIXED	A/D	2.374	YES	80.0	3.258	
				6410	FRESHWATER MARSHES	A/D	0.954	YES	80.0	1.309	
				6430	WET PRAIRIES	A/D	0.925	YES	80.0	1.270	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.872	YES	80.0	2.569	
				4110	PINE FLATWOODS	B/D	0.538	YES	80.0	0.738	
				4110	PINE FLATWOODS	B/D	0.164	YES	80.0	0.225	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.388	YES	80.0	0.533	
				4340	HARDWOOD CONIFER MIXED	B/D	0.453	YES	80.0	0.622	
				6170	MIXED WETLAND HARDWOODS	B/D	1.695	YES	80.0	2.326	
				6300	WETLAND FORESTED MIXED	B/D	0.023	YES	80.0	0.032	
				6430	WET PRAIRIES	B/D	5.182	YES	80.0	7.112	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	6.701	YES	80.0	9.197	
				6170	MIXED WETLAND HARDWOODS	B/D	0.039	YES	80.0	0.054	
ML0210	55.92	0.0%	55.92	6460	TREELESS HYDRIC SAVANNA	B/D	0.007	YES	80.0	0.010	
				4110	PINE FLATWOODS	A/D	2.776	YES	80.0	3.971	80.0
				4110	PINE FLATWOODS	A/D	1.773	YES	80.0	2.536	
				4110	PINE FLATWOODS	A/D	2.290	YES	80.0	3.276	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	29.729	YES	80.0	42.531	
				4340	HARDWOOD CONIFER MIXED	A/D	0.939	YES	80.0	1.343	
				6300	WETLAND FORESTED MIXED	A/D	2.384	YES	80.0	3.411	
				6410	FRESHWATER MARSHES	A/D	0.769	YES	80.0	1.100	
				6430	WET PRAIRIES	A/D	0.979	YES	80.0	1.401	

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				6440	EMERGENT AQUATIC VEGETATION	A/D	0.353	YES	80.0	0.505	
				4110	PINE FLATWOODS	B/D	0.628	YES	80.0	0.898	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.603	YES	80.0	2.293	
				6300	WETLAND FORESTED MIXED	B/D	0.963	YES	80.0	1.378	
				6410	FRESHWATER MARSHES	B/D	0.108	YES	80.0	0.155	
				6430	WET PRAIRIES	B/D	8.369	YES	80.0	11.973	
				4110	PINE FLATWOODS	B/D	0.004	YES	80.0	0.006	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.925	YES	80.0	2.754	
				5300	RESERVOIRS	B/D	0.326	YES	80.0	0.466	
ML0220	35.96	0.0%	35.96	4110	PINE FLATWOODS	A/D	0.266	YES	80.0	0.592	80.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	14.902	YES	80.0	33.152	
				4340	HARDWOOD CONIFER MIXED	A/D	3.333	YES	80.0	7.415	
				5300	RESERVOIRS	A/D	0.367	YES	80.0	0.816	
				6300	WETLAND FORESTED MIXED	A/D	0.949	YES	80.0	2.111	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.401	YES	80.0	3.117	
				4110	PINE FLATWOODS	B/D	2.617	YES	80.0	5.822	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	9.107	YES	80.0	20.260	
				4340	HARDWOOD CONIFER MIXED	B/D	0.480	YES	80.0	1.068	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.000	YES	80.0	0.000	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.486	YES	80.0	1.081	
				6460	TREELESS HYDRIC SAVANNA	B/D	1.904	YES	80.0	4.236	
ML0300	38.84	0.0%	38.84	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.144	YES	80.0	0.320	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.225	YES	80.0	0.463	63.7
				2110	IMPROVED PASTURES	B/D	3.007	YES	80.0	6.194	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	7.783	YES	80.0	16.031	
				6170	MIXED WETLAND HARDWOODS	B/D	1.450	YES	80.0	2.987	
				2110	IMPROVED PASTURES	A/D	4.773	YES	80.0	9.831	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.208	YES	80.0	0.428	
				5300	RESERVOIRS	A/D	0.345	YES	80.0	0.711	
				6170	MIXED WETLAND HARDWOODS	A/D	2.664	YES	80.0	5.487	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.786	YES	80.0	1.619	
				6170	MIXED WETLAND HARDWOODS	A/D	0.165	YES	80.0	0.340	
				2110	IMPROVED PASTURES	A	10.236	YES	39.0	10.278	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	2.447	YES	39.0	2.457	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.459	YES	39.0	1.465	
				6170	MIXED WETLAND HARDWOODS	A	1.286	YES	39.0	1.291	
ML0310	9.38	0.0%	9.38	2110	IMPROVED PASTURES	B/D	2.008	YES	80.0	4.136	
				2110	IMPROVED PASTURES	B/D	5.502	YES	80.0	46.925	67.5
				5300	RESERVOIRS	B/D	1.027	YES	80.0	8.759	
				2110	IMPROVED PASTURES	A	2.814	YES	39.0	11.700	
				5300	RESERVOIRS	A	0.039	YES	39.0	0.162	
ML0400	5.75	0.0%	5.75	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.054	YES	80.0	14.664	80.0
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	4.696	YES	80.0	65.336	
ML0410	381.76	0.0%	381.76	1100	LOW DENSITY RESIDENTIAL	A/D	1.174	YES	80.0	0.246	78.2
				4110	PINE FLATWOODS	A/D	0.057	YES	80.0	0.012	
				1100	LOW DENSITY RESIDENTIAL	B/D	15.136	YES	80.0	3.172	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	5.032	YES	80.0	1.054	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	12.978	YES	80.0	2.720	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	16.444	YES	80.0	3.446	
				2110	IMPROVED PASTURES	B/D	49.593	YES	80.0	10.392	
				2110	IMPROVED PASTURES	B/D	38.573	YES	80.0	8.083	
				3100	HERBACEOUS RANGELAND	B/D	2.954	YES	80.0	0.619	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.458	YES	80.0	0.096	
				4110	PINE FLATWOODS	B/D	7.053	YES	80.0	1.478	
				4110	PINE FLATWOODS	B/D	5.292	YES	80.0	1.109	
				4110	PINE FLATWOODS	B/D	1.503	YES	80.0	0.315	
				4110	PINE FLATWOODS	B/D	2.486	YES	80.0	0.521	
				4110	PINE FLATWOODS	B/D	1.973	YES	80.0	0.413	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	34.453	YES	80.0	7.220	
				4340	HARDWOOD CONIFER MIXED	B/D	5.345	YES	80.0	1.120	
				4340	HARDWOOD CONIFER MIXED	B/D	11.149	YES	80.0	2.336	
				4340	HARDWOOD CONIFER MIXED	B/D	0.333	YES	80.0	0.070	
				4340	HARDWOOD CONIFER MIXED	B/D	11.899	YES	80.0	2.494	
				4340	HARDWOOD CONIFER MIXED	B/D	1.598	YES	80.0	0.335	
				5300	RESERVOIRS	B/D	0.052	YES	80.0	0.011	
				5300	RESERVOIRS	B/D	0.220	YES	80.0	0.046	
				5300	RESERVOIRS	B/D	0.262	YES	80.0	0.055	
				5300	RESERVOIRS	B/D	0.966	YES	80.0	0.202	
				5300	RESERVOIRS	B/D	0.383	YES	80.0	0.080	
				6170	MIXED WETLAND HARDWOODS	B/D	1.680	YES	80.0	0.352	
				6210	CYPRESS	B/D	0.605	YES	80.0	0.127	
				6210	CYPRESS	B/D	1.611	YES	80.0	0.338	
				6210	CYPRESS	B/D	4.226	YES	80.0	0.886	
				6300	WETLAND FORESTED MIXED	B/D	0.041	YES	80.0	0.009	
				6300	WETLAND FORESTED MIXED	B/D	0.077	YES	80.0	0.016	
				6300	WETLAND FORESTED MIXED	B/D	0.357	YES	80.0	0.075	
				2110	IMPROVED PASTURES	B/D	0.533	YES	80.0	0.112	
				2110	IMPROVED PASTURES	B/D	0.458	YES	80.0	0.096	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.080	YES	80.0	0.017	
				6460	TREELESS HYDRIC SAVANNA	B/D	1.999	YES	80.0	0.419	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.424	YES	80.0	0.089	
				2110	IMPROVED PASTURES	B/D	0.171	YES	80.0	0.036	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.140	YES	80.0	0.029	

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				1100	LOW DENSITY RESIDENTIAL	B/D	1.767	YES	80.0	0.370	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.158	YES	80.0	0.452	
				3200	SHRUB AND BRUSH RANGELAND	A/D	0.294	YES	80.0	0.062	
				5300	RESERVOIRS	A/D	0.233	YES	80.0	0.049	
				6410	FRESHWATER MARSHES	A/D	0.002	YES	80.0	0.000	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.246	YES	80.0	0.471	
				4110	PINE FLATWOODS	B/D	0.178	YES	80.0	0.037	
				4110	PINE FLATWOODS	B/D	2.189	YES	80.0	0.459	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	29.157	YES	80.0	6.110	
				4340	HARDWOOD CONIFER MIXED	B/D	0.740	YES	80.0	0.155	
				5300	RESERVOIRS	B/D	0.007	YES	80.0	0.001	
				6300	WETLAND FORESTED MIXED	B/D	0.913	YES	80.0	0.191	
				6300	WETLAND FORESTED MIXED	B/D	1.044	YES	80.0	0.219	
				6460	TREELESS HYDRIC SAVANNA	B/D	0.095	YES	80.0	0.020	
				1100	LOW DENSITY RESIDENTIAL	A	1.277	YES	39.0	0.130	
				2110	IMPROVED PASTURES	A	6.440	YES	39.0	0.658	
				2130	WOODLAND PASTURE	A	7.376	YES	39.0	0.754	
				4110	PINE FLATWOODS	A	0.197	YES	39.0	0.020	
				4120	LONGLEAF PINE - XERIC OAK	A	0.001	YES	39.0	0.000	
				6300	WETLAND FORESTED MIXED	A	0.140	YES	39.0	0.014	
				1100	LOW DENSITY RESIDENTIAL	A	0.627	YES	39.0	0.064	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.463	YES	80.0	0.097	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.173	YES	80.0	0.246	
				4110	PINE FLATWOODS	A/D	0.172	YES	80.0	0.036	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.810	YES	80.0	0.379	
				4340	HARDWOOD CONIFER MIXED	A/D	0.893	YES	80.0	0.187	
				4340	HARDWOOD CONIFER MIXED	A/D	1.314	YES	80.0	0.275	
				4340	HARDWOOD CONIFER MIXED	A/D	2.032	YES	80.0	0.426	
				6210	CYPRESS	A/D	19.675	YES	80.0	4.123	
				6300	WETLAND FORESTED MIXED	A/D	1.531	YES	80.0	0.321	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	1.595	YES	80.0	0.334	
				6410	FRESHWATER MARSHES	A/D	1.584	YES	80.0	0.332	
				6460	TREELESS HYDRIC SAVANNA	A/D	1.669	YES	80.0	0.350	
				2110	IMPROVED PASTURES	A	0.964	YES	39.0	0.098	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.000	YES	80.0	0.000	
				4110	PINE FLATWOODS	A/D	0.000	YES	80.0	0.000	
				4110	PINE FLATWOODS	A/D	0.061	YES	80.0	0.013	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.153	YES	80.0	0.032	
				6170	MIXED WETLAND HARDWOODS	A/D	0.093	YES	80.0	0.019	
				6210	CYPRESS	A/D	3.655	YES	80.0	0.766	
				6440	EMERGENT AQUATIC VEGETATION	A/D	13.060	YES	80.0	2.737	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.658	YES	80.0	0.138	
				2110	IMPROVED PASTURES	A/D	10.763	YES	80.0	2.255	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	8.434	YES	80.0	1.767	
				6210	CYPRESS	A/D	0.625	YES	80.0	0.131	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.775	YES	80.0	0.162	
				2110	IMPROVED PASTURES	A/D	1.877	YES	80.0	0.393	
				2130	WOODLAND PASTURE	A/D	0.213	YES	80.0	0.045	
				4340	HARDWOOD CONIFER MIXED	A/D	0.000	YES	80.0	0.000	
				4340	HARDWOOD CONIFER MIXED	A/D	0.481	YES	80.0	0.101	
				5300	RESERVOIRS	A/D	0.773	YES	80.0	0.162	
				6300	WETLAND FORESTED MIXED	A/D	1.794	YES	80.0	0.376	
				6410	FRESHWATER MARSHES	A/D	2.992	YES	80.0	0.627	
				6440	EMERGENT AQUATIC VEGETATION	A/D	1.304	YES	80.0	0.273	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.161	YES	80.0	0.453	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.169	YES	80.0	0.035	
ML0420	312.54	0.0%	312.54	1100	LOW DENSITY RESIDENTIAL	A/D	16.007	YES	80.0	4.097	69.5
				1400	COMMERCIAL AND SERVICES	A/D	0.890	YES	80.0	0.228	
				2110	IMPROVED PASTURES	A/D	1.746	YES	80.0	0.447	
				3200	SHRUB AND BRUSH RANGELAND	A/D	2.338	YES	80.0	0.598	
				4110	PINE FLATWOODS	A/D	0.660	YES	80.0	0.169	
				4340	HARDWOOD CONIFER MIXED	A/D	5.985	YES	80.0	1.532	
				5300	RESERVOIRS	A/D	0.365	YES	80.0	0.093	
				5300	RESERVOIRS	A/D	0.450	YES	80.0	0.115	
				5300	RESERVOIRS	A/D	0.537	YES	80.0	0.137	
				5300	RESERVOIRS	A/D	0.035	YES	80.0	0.009	
				5300	RESERVOIRS	A/D	0.373	YES	80.0	0.095	
				5300	RESERVOIRS	A/D	0.282	YES	80.0	0.072	
				6300	WETLAND FORESTED MIXED	A/D	0.614	YES	80.0	0.157	
				6440	EMERGENT AQUATIC VEGETATION	A/D	0.179	YES	80.0	0.046	
				6460	TREELESS HYDRIC SAVANNA	A/D	0.792	YES	80.0	0.203	
				1100	LOW DENSITY RESIDENTIAL	B/D	4.422	YES	80.0	1.132	
				4340	HARDWOOD CONIFER MIXED	B/D	3.671	YES	80.0	0.940	
				6300	WETLAND FORESTED MIXED	B/D	0.070	YES	80.0	0.018	
				1100	LOW DENSITY RESIDENTIAL	W	0.081	YES	98.0	0.025	
				2110	IMPROVED PASTURES	W	0.205	YES	98.0	0.064	
				5300	RESERVOIRS	W	2.734	YES	98.0	0.857	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	4.278	YES	80.0	1.095	
				1100	LOW DENSITY RESIDENTIAL	B/D	0.354	YES	80.0	0.091	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	15.162	YES	80.0	3.881	
				2110	IMPROVED PASTURES	B/D	8.780	YES	80.0	2.247	
				3300	MIXED RANGELAND	B/D	2.584	YES	80.0	0.661	
				4110	PINE FLATWOODS	B/D	7.287	YES	80.0	1.865	

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				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	47.115	YES	80.0	12.060	
				4340	HARDWOOD CONIFER MIXED	B/D	22.517	YES	80.0	5.764	
				5300	RESERVOIRS	B/D	0.001	YES	80.0	0.000	
				5300	RESERVOIRS	B/D	0.180	YES	80.0	0.046	
				6170	MIXED WETLAND HARDWOODS	B/D	3.361	YES	80.0	0.860	
				6170	MIXED WETLAND HARDWOODS	B/D	1.065	YES	80.0	0.273	
				6300	WETLAND FORESTED MIXED	B/D	0.134	YES	80.0	0.034	
				6300	WETLAND FORESTED MIXED	B/D	0.120	YES	80.0	0.031	
				1100	LOW DENSITY RESIDENTIAL	A	9.576	YES	39.0	1.195	
				1400	COMMERCIAL AND SERVICES	A	0.286	YES	39.0	0.036	
				2130	WOODLAND PASTURE	A	3.360	YES	39.0	0.419	
				4110	PINE FLATWOODS	A	0.242	YES	39.0	0.030	
				4340	HARDWOOD CONIFER MIXED	A	2.100	YES	39.0	0.262	
				5300	RESERVOIRS	A	0.047	YES	39.0	0.006	
				5300	RESERVOIRS	A	0.017	YES	39.0	0.002	
				5300	RESERVOIRS	A	0.046	YES	39.0	0.006	
				6440	EMERGENT AQUATIC VEGETATION	A	0.639	YES	39.0	0.080	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	7.326	YES	39.0	0.914	
				2240	ABANDONED GROVES	A	0.097	YES	39.0	0.012	
				4200	UPLAND HARDWOOD FORESTS	A	4.949	YES	39.0	0.618	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.028	YES	39.0	0.003	
				6460	TREELESS HYDRIC SAVANNA	A	0.496	YES	39.0	0.062	
				1100	LOW DENSITY RESIDENTIAL	A/D	1.119	YES	80.0	0.286	
				4110	PINE FLATWOODS	A/D	0.049	YES	80.0	0.013	
				5300	RESERVOIRS	A/D	0.669	YES	80.0	0.171	
				6440	EMERGENT AQUATIC VEGETATION	A/D	1.645	YES	80.0	0.421	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.232	YES	80.0	0.571	
				4340	HARDWOOD CONIFER MIXED	B/D	5.815	YES	80.0	1.488	
				6460	TREELESS HYDRIC SAVANNA	B/D	2.626	YES	80.0	0.672	
				2110	IMPROVED PASTURES	A	8.448	YES	39.0	1.054	
				6170	MIXED WETLAND HARDWOODS	A	0.224	YES	39.0	0.028	
				1100	LOW DENSITY RESIDENTIAL	A	6.874	YES	39.0	0.858	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	17.121	YES	39.0	2.136	
				2110	IMPROVED PASTURES	A	10.241	YES	39.0	1.278	
				2240	ABANDONED GROVES	A	3.508	YES	39.0	0.438	
				5300	RESERVOIRS	A	0.053	YES	39.0	0.007	
				6170	MIXED WETLAND HARDWOODS	A	0.969	YES	39.0	0.121	
				6460	TREELESS HYDRIC SAVANNA	A	0.053	YES	39.0	0.007	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.049	YES	80.0	0.013	
				2110	IMPROVED PASTURES	A/D	0.085	YES	80.0	0.022	
				2240	ABANDONED GROVES	A/D	0.237	YES	80.0	0.061	
				3300	MIXED RANGELAND	A/D	0.132	YES	80.0	0.034	
				4110	PINE FLATWOODS	A/D	3.903	YES	80.0	0.999	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	9.219	YES	80.0	2.360	
				4340	HARDWOOD CONIFER MIXED	A/D	2.606	YES	80.0	0.667	
				6170	MIXED WETLAND HARDWOODS	A/D	30.048	YES	80.0	7.691	
				6170	MIXED WETLAND HARDWOODS	A/D	3.272	YES	80.0	0.838	
				6300	WETLAND FORESTED MIXED	A/D	0.923	YES	80.0	0.236	
				6410	FRESHWATER MARSHES	A/D	1.807	YES	80.0	0.463	
				6460	TREELESS HYDRIC SAVANNA	A/D	3.384	YES	80.0	0.866	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.005	YES	80.0	0.001	
				4340	HARDWOOD CONIFER MIXED	A/D	0.293	YES	80.0	0.075	
				6300	WETLAND FORESTED MIXED	A/D	3.323	YES	80.0	0.851	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.575	YES	80.0	0.659	
				1100	LOW DENSITY RESIDENTIAL	A	2.259	YES	39.0	0.282	
				4340	HARDWOOD CONIFER MIXED	A	2.184	YES	39.0	0.273	
ML0430	132.15	0.0%	132.15	1100	LOW DENSITY RESIDENTIAL	A/D	0.090	YES	80.0	0.054	44.0
				1400	COMMERCIAL AND SERVICES	A/D	1.339	YES	80.0	0.811	
				3100	HERBACEOUS RANGELAND	A/D	0.958	YES	80.0	0.580	
				4340	HARDWOOD CONIFER MIXED	A/D	0.227	YES	80.0	0.137	
				6410	FRESHWATER MARSHES	A/D	0.000	YES	80.0	0.000	
				1100	LOW DENSITY RESIDENTIAL	A/D	1.931	YES	80.0	1.169	
				1100	LOW DENSITY RESIDENTIAL	A/D	0.004	YES	80.0	0.002	
				1400	COMMERCIAL AND SERVICES	A/D	0.899	YES	80.0	0.544	
				2110	IMPROVED PASTURES	A/D	0.121	YES	80.0	0.073	
				4340	HARDWOOD CONIFER MIXED	A/D	0.452	YES	80.0	0.274	
				6410	FRESHWATER MARSHES	A/D	0.931	YES	80.0	0.564	
				6410	FRESHWATER MARSHES	A/D	6.473	YES	80.0	3.919	
				6460	TREELESS HYDRIC SAVANNA	A/D	2.663	YES	80.0	1.612	
				1100	LOW DENSITY RESIDENTIAL	A	1.806	YES	39.0	0.533	
				1400	COMMERCIAL AND SERVICES	A	0.026	YES	39.0	0.008	
				3100	HERBACEOUS RANGELAND	A	0.344	YES	39.0	0.102	
				4340	HARDWOOD CONIFER MIXED	A	0.035	YES	39.0	0.010	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.513	YES	39.0	0.447	
				1100	LOW DENSITY RESIDENTIAL	A	1.573	YES	39.0	0.464	
				1100	LOW DENSITY RESIDENTIAL	A	0.053	YES	39.0	0.016	
				1100	LOW DENSITY RESIDENTIAL	A	0.067	YES	39.0	0.020	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	69.493	YES	39.0	20.509	
				2110	IMPROVED PASTURES	A	4.467	YES	39.0	1.318	
				4340	HARDWOOD CONIFER MIXED	A	2.619	YES	39.0	0.773	
				6410	FRESHWATER MARSHES	A	0.864	YES	39.0	0.255	
				6410	FRESHWATER MARSHES	A	0.162	YES	39.0	0.048	
				6460	TREELESS HYDRIC SAVANNA	A	1.134	YES	39.0	0.335	

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				1100	LOW DENSITY RESIDENTIAL	A	3.825	YES	39.0	1.129	
				1100	LOW DENSITY RESIDENTIAL	A	0.595	YES	39.0	0.176	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.115	YES	39.0	0.034	
				4340	HARDWOOD CONIFER MIXED	A	9.049	YES	39.0	2.671	
				6410	FRESHWATER MARSHES	A	1.388	YES	39.0	0.410	
				6410	FRESHWATER MARSHES	A	0.503	YES	39.0	0.148	
				6460	TREELESS HYDRIC SAVANNA	A	0.491	YES	39.0	0.145	
				6460	TREELESS HYDRIC SAVANNA	A	0.309	YES	39.0	0.091	
				1100	LOW DENSITY RESIDENTIAL	A	1.949	YES	39.0	0.575	
				1100	LOW DENSITY RESIDENTIAL	A	8.086	YES	39.0	2.386	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.067	YES	39.0	0.315	
				4340	HARDWOOD CONIFER MIXED	A	0.147	YES	39.0	0.043	
				4340	HARDWOOD CONIFER MIXED	A	4.365	YES	39.0	1.288	
				6410	FRESHWATER MARSHES	A	0.015	YES	39.0	0.004	
ML0500	31.56	0.0%	31.56	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.126	YES	80.0	0.319	78.4
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.233	YES	39.0	1.524	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	8.945	YES	80.0	22.674	
				4340	HARDWOOD CONIFER MIXED	B/D	1.283	YES	80.0	3.252	
				6170	MIXED WETLAND HARDWOODS	B/D	3.330	YES	80.0	8.441	
				6300	WETLAND FORESTED MIXED	B/D	0.094	YES	80.0	0.238	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.555	YES	80.0	1.407	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.060	YES	80.0	5.222	
				6170	MIXED WETLAND HARDWOODS	A/D	10.507	YES	80.0	26.634	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	1.802	YES	80.0	4.568	
				6170	MIXED WETLAND HARDWOODS	B/D	1.622	YES	80.0	4.112	
ML0510	8.78	0.0%	8.78	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.053	YES	39.0	0.235	79.8
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	2.079	YES	80.0	18.943	
				6181	CABBAGE PALM HAMMOCK	A/D	0.093	YES	80.0	0.847	
				6170	MIXED WETLAND HARDWOODS	A/D	0.061	YES	80.0	0.556	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	5.851	YES	80.0	53.312	
				5300	RESERVOIRS	B/D	0.455	YES	80.0	4.146	
				6170	MIXED WETLAND HARDWOODS	B/D	0.036	YES	80.0	0.328	
				6170	MIXED WETLAND HARDWOODS	B/D	0.153	YES	80.0	1.394	
ML0520	25.85	0.0%	25.85	1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.082	YES	80.0	0.254	80.0
				6181	CABBAGE PALM HAMMOCK	A/D	2.638	YES	80.0	8.164	
				6170	MIXED WETLAND HARDWOODS	A/D	0.771	YES	80.0	2.386	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.598	YES	80.0	1.851	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	14.552	YES	80.0	45.035	
				6170	MIXED WETLAND HARDWOODS	B/D	3.676	YES	80.0	11.376	
				6170	MIXED WETLAND HARDWOODS	B/D	3.537	YES	80.0	10.946	
ML0530	75.04	0.0%	75.04	2110	IMPROVED PASTURES	A	1.037	YES	39.0	0.539	73.5
				4340	HARDWOOD CONIFER MIXED	A	2.936	YES	39.0	1.526	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.422	YES	80.0	0.450	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	7.589	YES	80.0	8.091	
				4340	HARDWOOD CONIFER MIXED	A/D	0.880	YES	80.0	0.938	
				4340	HARDWOOD CONIFER MIXED	A/D	3.684	YES	80.0	3.928	
				5300	RESERVOIRS	A/D	0.729	YES	80.0	0.777	
				5300	RESERVOIRS	A/D	0.710	YES	80.0	0.757	
				6210	CYPRESS	A/D	1.185	YES	80.0	1.263	
				6300	WETLAND FORESTED MIXED	A/D	7.878	YES	80.0	8.399	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	1.155	YES	39.0	0.600	
				6170	MIXED WETLAND HARDWOODS	A	0.219	YES	39.0	0.114	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	4.432	YES	80.0	4.725	
				2110	IMPROVED PASTURES	B/D	2.840	YES	80.0	3.028	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	11.617	YES	80.0	12.385	
				4340	HARDWOOD CONIFER MIXED	B/D	5.468	YES	80.0	5.829	
				4340	HARDWOOD CONIFER MIXED	B/D	4.189	YES	80.0	4.466	
				6210	CYPRESS	B/D	0.188	YES	80.0	0.200	
				6300	WETLAND FORESTED MIXED	B/D	2.541	YES	80.0	2.709	
				6440	EMERGENT AQUATIC VEGETATION	B/D	0.318	YES	80.0	0.339	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	0.332	YES	39.0	0.173	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.034	YES	80.0	0.036	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A/D	0.044	YES	80.0	0.047	
				4340	HARDWOOD CONIFER MIXED	A/D	0.964	YES	80.0	1.028	
				6181	CABBAGE PALM HAMMOCK	A/D	0.140	YES	80.0	0.149	
				6170	MIXED WETLAND HARDWOODS	A/D	2.687	YES	80.0	2.865	
				2110	IMPROVED PASTURES	A	2.882	YES	39.0	1.498	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	A	3.300	YES	39.0	1.715	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	2.833	YES	80.0	3.020	
				6210	CYPRESS	B/D	0.396	YES	80.0	0.422	
				6300	WETLAND FORESTED MIXED	B/D	0.023	YES	80.0	0.025	
				1180	RESIDENTIAL, RURAL - LESS THAN OR EQUAL TO 0.5 DU/AC	B/D	0.605	YES	80.0	0.645	
				6170	MIXED WETLAND HARDWOODS	B/D	0.582	YES	80.0	0.620	
				6170	MIXED WETLAND HARDWOODS	B/D	0.200	YES	80.0	0.213	

TIME OF CONCENTRATION CALCULATIONS

TABLE C-2
EXISTING & ALTERNATIVE CONDITIONS
TIME OF CONCENTRATION CALCULATIONS

	SHEET FLOW							SHALLOW CONCENTRATED FLOW						CHANNEL / PIPE FLOW								SUMMARY				
	Manning's kinematic wave equation (TR55) (overland flow less than or equal to 300 feet) $T_{t1} = \frac{(0.007 * (n * L_1)^{0.8}) * 60}{(P^{0.5}) * (S_1^{0.4})}$							$T_{t2} = \frac{L_2}{60 * V} = \frac{L_2}{60 * \text{antilog}(X + (0.5 * \log S_2))}$ V is per TR-55 Figure 3-1 where equation of average velocity line shown is $\text{alog}(X + (0.5 * \log S_2))$						Open Channel Flow (Manning's equation) $T_{t3} = \frac{L_3}{60 * ((1.49/n) * R^{2/3} * S_3^{1/2})}$								Time Of Concentration: $T_c = T_{t1} + T_{t2} + T_{t3}$ (10 min. minimum) Lag Time: $T_L = 0.6 * T_c / 60$				
	SUBBASIN	L ₁ = OVERLAND FLOW LENGTH (ft)	n = MANNING'S n (FROM TR-55)	P = 2-yr, 24-hr RAINFALL (in)	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	S ₁ = LAND SLOPE (ft/ft)	T _{t1} = TRAVEL TIME (min)	L ₂ = FLOW LENGTH (ft)	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	S ₂ = WATERCOURSE SLOPE (ft/ft)	PAVED: X = 1.3, UNPAVED: X = 1.2	T _{t2} = TRAVEL TIME (min)	L ₃ = CHANNEL LENGTH (ft)	n = MANNING'S n	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	S ₃ = CHANNEL SLOPE (ft/ft)	R = HYDRAULIC RADIUS (ft)	T _{t3} = TRAVEL TIME (min)	TOTAL FLOW LENGTH (ft)	OVERALL SLOPE (ft/ft)	T _c = TIME OF CONC. (min)	T _L = LAG TIME (hrs)	DESIGN T _c (min)
06_M_0110_BC	23.7	0.011	4.75	11.3	10.3	0.0422	0.23	577.0	10.3	8.6	0.0029	1.200	11.18	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	600.7	0.0045	11.41	0.114	11.4	
06_M_0120_BC	99.3	0.240	4.75	12.9	10.0	0.0298	9.93	44.0	10.0	5.6	0.0988	1.200	0.15	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	143.4	0.0510	10.08	0.101	10.1	
06_M_0125_BC	111.6	0.400	4.75	16.5	14.5	0.0175	20.31	642.5	14.5	9.3	0.0082	1.200	7.47	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	754.1	0.0096	27.78	0.278	27.8	
06_M_0130_BC	98.8	0.240	4.75	13.0	12.1	0.0094	15.68	103.3	12.1	8.2	0.0379	1.200	0.56	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	202.1	0.0240	16.24	0.162	16.2	
06_M_0145_BC	99.5	0.240	4.75	13.8	10.8	0.0309	9.81	49.5	10.8	10.5	0.0063	1.200	0.66	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	149.0	0.0227	10.47	0.105	10.5	
06_M_0200_BC_1	96.9	0.400	4.75	18.0	15.4	0.0271	15.21	4175.6	15.4	10.1	0.0013	1.200	123.72	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	4272.5	0.0018	138.93	1.389	138.9	
06_M_0200_BC_2	94.4	0.240	4.75	13.1	12.5	0.0069	17.12	251.0	12.5	11.5	0.0040	1.200	4.18	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	345.3	0.0048	21.31	0.213	21.3	
06_M_0200_BC_3	97.1	0.240	4.75	13.0	10.8	0.0231	10.81	198.8	10.8	9.2	0.0079	1.200	2.34	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	295.9	0.0129	13.16	0.132	13.2	
06_M_0210_BC	93.3	0.240	4.75	14.1	12.8	0.0137	12.88	795.1	12.8	9.5	0.0041	1.200	13.00	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	888.4	0.0051	25.88	0.259	25.9	
06_M_0220_BC	89.3	0.240	4.75	11.0	10.9	0.0011	33.91	319.6	10.9	8.6	0.0073	1.200	3.94	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	408.9	0.0059	37.85	0.378	37.8	
06_M_0240_BC	97.3	0.240	4.75	12.4	11.6	0.0087	15.96	35.5	11.6	8.4	0.0885	1.200	0.13	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	132.8	0.0300	16.09	0.161	16.1	
06_M_0260_BC	98.8	0.400	4.75	13.2	11.9	0.0132	20.64	80.1	11.9	8.0	0.0486	1.200	0.38	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	178.9	0.0290	21.02	0.210	21.0	
06_M_0270_BC	66.2	0.400	4.75	14.0	7.8	0.0933	6.85	0.0	0.0	0.0	0.0000	0.000	0.00	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	66.2	0.0933	6.85	0.068	10.0	
06_M_0290_BC	95.1	0.400	4.75	12.7	12.2	0.0053	28.89	0.0	0.0	0.0	0.0000	0.000	0.00	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	95.1	0.0053	28.89	0.289	28.9	
06_M_0300_BC	94.7	0.240	4.75	13.9	13.3	0.0063	17.77	36.9	13.3	8.7	0.1232	1.200	0.11	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	131.7	0.0391	17.88	0.179	17.9	
06_M_0310_BC	62.1	0.240	4.75	15.4	13.5	0.0311	6.71	93.0	13.5	8.4	0.0553	1.200	0.42	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	155.2	0.0456	7.13	0.071	10.0	
06_M_0315_BC_1	95.9	0.400	4.75	18.6	14.0	0.0480	12.01	1667.2	14.0	11.7	0.0013	1.200	48.05	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1763.1	0.0039	60.06	0.601	60.1	
06_M_0400_BC	56.5	0.240	4.75	14.0	12.2	0.0315	6.18	0.0	0.0	0.0	0.0000	0.000	0.00	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	56.5	0.0315	6.18	0.062	10.0	
06_M_0410_BC	98.1	0.240	4.75	13.6	13.1	0.0050	20.10	477.9	13.1	9.3	0.0080	1.200	5.64	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	576.0	0.0074	25.74	0.257	25.7	
06_M_0420_BC	93.8	0.240	4.75	13.4	12.2	0.0132	13.14	58.4	12.2	11.1	0.0192	1.200	0.44	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	152.2	0.0155	13.58	0.136	13.6	
06_M_0425_BC_1	99.0	0.400	4.75	18.0	12.7	0.0534	11.80	304.8	12.7	12.5	0.0007	1.200	12.21	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	403.8	0.0136	24.02	0.240	24.0	
06_M_0500_BC	99.5	0.240	4.75	13.5	12.6	0.0088	16.16	182.6	12.6	9.3	0.0180	1.200	1.43	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	282.1	0.0148	17.59	0.176	17.6	
06_M_0510_BC	99.2	0.240	4.75	16.0	14.2	0.0181	12.10	144.4	14.2	10.4	0.0268	1.200	0.93	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	243.6	0.0233	13.03	0.130	13.0	
06_M_0520_BC	99.5	0.240	4.75	17.0	14.9	0.0206	11.53	326.5	14.9	12.0	0.0089	1.200	3.64	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	426.0	0.0116	15.17	0.152	15.2	
06_M_0525_BC	96.4	0.400	4.75	15.7	14.0	0.0172	18.17	1541.6	14.0	10.9	0.0020	1.200	36.15	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1638.0	0.0029	54.32	0.543	54.3	
06_M_0530_BC	99.0	0.400	4.75	14.5	14.5	0.0007	66.57	653.2	14.5	11.5	0.0045	1.200	10.26	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	752.2	0.0040	76.83	0.768	76.8	
06_M_3100_BC	95.0	0.240	4.75	26.2	26.1	0.0011	36.49	3686.1	26.1	16.3	0.0027	1.200	75.10	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	3781.1	0.0026	111.59	1.116	111.6	
06_M_3200_BC	97.2	0.240	4.75	21.7	18.9	0.0289	9.88	415.1	18.9	18.6	0.0007	1.200	16.24	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	512.3	0.0061	26.12	0.261	26.1	
06_M_4100_BC_1	73.6	0.400	4.75	28.4	27.5	0.0120	16.94	1734.5	27.5	18.2	0.0054	1.200	24.90	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1808.1	0.0056	41.84	0.418	41.8	
06_M_4200_BC_1	97.5	0.400	4.75	24.3	22.7	0.0159	18.94	328.3	22.7	21.7	0.0032	1.200	6.14													

TABLE C-2
EXISTING & ALTERNATIVE CONDITIONS
TIME OF CONCENTRATION CALCULATIONS

	SHEET FLOW							SHALLOW CONCENTRATED FLOW						CHANNEL / PIPE FLOW								SUMMARY				
	Manning's kinematic wave equation (TR55) (overland flow less than or equal to 300 feet) $T_{t1} = \frac{(0.007 * (n * L_1)^{0.8}) * 60}{(P^{0.5}) * (S_1^{0.4})}$							$T_{t2} = \frac{L_2}{60 * V} = \frac{L_2}{60 * \text{antilog}(X + (0.5 * \log S_2))}$ V is per TR-55 Figure 3-1 where equation of average velocity line shown is $\text{alog}(X + (0.5 * \log S_2))$						Open Channel Flow (Manning's equation) $T_{t3} = \frac{L_3}{60 * ((1.49/n) * R^{2/3} * S_3^{1/2})}$								Time Of Concentration: $T_c = T_{t1} + T_{t2} + T_{t3}$ (10 min. minimum) Lag Time: $T_L = 0.6 * T_c / 60$				
	SUBBASIN	L ₁ = OVERLAND FLOW LENGTH (ft)	n = MANNING'S n (FROM TR-55)	P = 2-yr, 24-hr RAINFALL (in)	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	S ₁ = LAND SLOPE (ft/ft)	T _{t1} = TRAVEL TIME (min)	L ₂ = FLOW LENGTH (ft)	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	S ₂ = WATERCOURSE SLOPE (ft/ft)	PAVED: X = 1.3, UNPAVED: X = 1.2	T _{t2} = TRAVEL TIME (min)	L ₃ = CHANNEL LENGTH (ft)	n = MANNING'S n	UPSTREAM ELEVATION (ft)	DOWNSTREAM ELEVATION (ft)	S ₃ = CHANNEL SLOPE (ft/ft)	R = HYDRAULIC RADIUS (ft)	T _{t3} = TRAVEL TIME (min)	TOTAL FLOW LENGTH (ft)	OVERALL SLOPE (ft/ft)	T _c = TIME OF CONC. (min)	T _L = LAG TIME (hrs)	DESIGN T _c (min)
ML0050	98.9	0.240	4.75	14.4	13.5	0.0091	15.91	568.4	13.5	10.9	0.0047	1.200	8.75	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	667.3	0.0053	24.66	0.247	24.7	
ML0100	97.4	0.400	4.75	23.7	23.2	0.0045	31.29	1424.3	23.2	6.2	0.0120	1.200	13.70	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1521.7	0.0115	44.99	0.450	45.0	
ML0110	98.9	0.400	4.75	19.2	15.5	0.0380	13.51	646.4	15.5	10.7	0.0073	1.200	7.93	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	745.3	0.0114	21.44	0.214	21.4	
ML0120	51.4	0.240	4.75	24.9	23.0	0.0369	5.39	306.1	23.0	15.9	0.0231	1.200	2.12	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	357.5	0.0251	7.50	0.075	10.0	
ML0150	98.8	0.240	4.75	26.6	26.0	0.0060	18.82	1232.0	26.0	20.0	0.0048	1.200	18.64	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1330.8	0.0049	37.46	0.375	37.5	
ML0200	98.6	0.240	4.75	12.4	11.1	0.0138	13.43	2073.7	11.1	5.8	0.0026	1.200	43.09	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	2172.3	0.0031	56.53	0.565	56.5	
ML0210	95.7	0.240	4.75	14.8	11.9	0.0306	9.54	1419.9	11.9	8.2	0.0026	1.200	29.37	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1515.6	0.0044	38.91	0.389	38.9	
ML0220	99.1	0.240	4.75	14.6	13.0	0.0160	12.70	1883.3	13.0	8.8	0.0022	1.200	42.14	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1982.4	0.0029	54.84	0.548	54.8	
ML0300	98.4	0.150	4.75	25.9	25.5	0.0045	14.45	770.7	25.5	19.9	0.0072	1.200	9.54	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	869.0	0.0069	23.99	0.240	24.0	
ML0310	92.4	0.150	4.75	25.3	25.0	0.0027	16.93	1023.7	25.1	20.6	0.0043	1.200	16.35	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1116.1	0.0042	33.28	0.333	33.3	
ML0400	96.8	0.240	4.75	20.8	19.1	0.0174	12.08	545.5	19.1	11.2	0.0146	1.200	4.75	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	642.3	0.0150	16.83	0.168	16.8	
ML0410	98.2	0.240	4.75	27.0	26.4	0.0059	18.80	2569.6	26.4	15.2	0.0044	1.200	40.93	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	2667.9	0.0044	59.73	0.597	59.7	
ML0420	93.8	0.240	4.75	46.7	46.3	0.0043	20.64	2275.6	46.3	21.8	0.0108	1.200	23.06	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	2369.4	0.0105	43.70	0.437	43.7	
ML0430	95.6	0.240	4.75	59.6	57.8	0.0187	11.60	1669.9	57.8	30.6	0.0163	1.200	13.75	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1765.5	0.0164	25.35	0.254	25.4	
ML0500	99.9	0.240	4.75	18.3	16.5	0.0180	12.20	1621.4	16.5	10.5	0.0037	1.200	28.05	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	1721.3	0.0045	40.25	0.403	40.3	
ML0510	98.1	0.240	4.75	14.1	12.6	0.0153	12.84	466.9	12.6	11.0	0.0036	1.200	8.18	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	565.0	0.0056	21.02	0.210	21.0	
ML0520	98.8	0.240	4.75	15.2	12.3	0.0291	9.98	1956.5	12.3	9.3	0.0016	1.200	51.94	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	2055.3	0.0029	61.92	0.619	61.9	
ML0530	94.5	0.240	4.75	21.4	19.9	0.0163	12.15	2939.5	19.9	9.9	0.0034	1.200	53.08	0.0	0.000	0.0	0.0	0.0000	0.00	0.00	3034.0	0.0038	65.23	0.652	65.2	

APPENDIX D

EXISTING CONDITIONS

ICPR MODEL INPUT & OUTPUT

(Model data included with Electronic Deliverables)

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_0110_BC

Scenario: Existing
Node: 06_M_0110_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.7424 ac
Curve Number: 80.3
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0120_BC

Scenario: Existing
Node: 06_M_0120_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1800 ac
Curve Number: 80.0
% Impervious: 6.90
% DCIA: 6.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0125_BC

Scenario: Existing
Node: 06_M_0125_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 10.7165 ac
Curve Number: 80.0
% Impervious: 2.20
% DCIA: 2.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0130_BC

Scenario: Existing
Node: 06_M_0130_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.3922 ac
Curve Number: 80.1
% Impervious: 5.50
% DCIA: 5.50
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0145_BC

Scenario: Existing
Node: 06_M_0145_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 69.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4258 ac
Curve Number: 79.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: 06_M_0200_BC_1

Scenario: Existing
Node: 06_M_0205_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 138.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 172.3204 ac
Curve Number: 80.0
% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0200_BC_2

Scenario: Existing
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.4858 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Simple Basin: 06_M_0200_BC_3

Scenario: Existing
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4272 ac
Curve Number: 79.8
% Impervious: 4.70
% DCIA: 4.70
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0210_BC

Scenario: Existing
Node: 06_M_0210_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5115 ac
Curve Number: 67.7
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0220_BC

Scenario: Existing
Node: 06_M_0220_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1407 ac
Curve Number: 77.2
% Impervious: 5.60
% DCIA: 5.60
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0240_BC

Scenario: Existing
Node: 06_M_0240_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.5155 ac
Curve Number: 79.1
% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0260_BC

Scenario: Existing
Node: 06_M_0260_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.8854 ac
Curve Number: 79.5

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0270_BC

Scenario: Existing
Node: 06_M_0270_NC
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: Uh323
Peaking Factor: 323.0
Area: 1.0215 ac
Curve Number: 80.1
% Impervious: 11.90
% DCIA: 11.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0290_BC

Scenario: Existing
Node: 06_M_0290_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5235 ac
Curve Number: 75.1
% Impervious: 3.60
% DCIA: 3.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_0300_BC

Scenario: Existing
Node: 06_M_0300_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6520 ac
Curve Number: 76.8
% Impervious: 3.20
% DCIA: 3.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0310_BC

Scenario: Existing
Node: 06_M_0310_NC
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: Uh323
Peaking Factor: 323.0
Area: 0.6179 ac
Curve Number: 79.7
% Impervious: 8.10
% DCIA: 8.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0315_BC_1

Scenario: Existing
Node: 06_M_0315_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 60.1000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 28.3192 ac
Curve Number: 79.5
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0400_BC

Scenario: Existing
Node: 06_M_0400_NS
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: Uh323
Peaking Factor: 323.0
Area: 0.6137 ac
Curve Number: 80.6
% Impervious: 13.00
% DCIA: 13.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0410_BC

Scenario: Existing
Node: 06_M_0410_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.3276 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

% Impervious: 1.90
% DCIA: 1.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0420_BC

Scenario: Existing
Node: 06_M_0420_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9231 ac
Curve Number: 73.0
% Impervious: 2.40
% DCIA: 2.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0425_BC_1

Scenario: Existing
Node: 06_M_0425_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.3966 ac
Curve Number: 79.9
% Impervious: 1.60
% DCIA: 1.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_0500_BC

Scenario: Existing
Node: 06_M_0500_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9783 ac
Curve Number: 79.3
% Impervious: 7.40
% DCIA: 7.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0510_BC

Scenario: Existing
Node: 06_M_0510_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1824 ac
Curve Number: 80.2
% Impervious: 8.00
% DCIA: 8.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0520_BC

Scenario: Existing
Node: 06_M_0520_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.3239 ac
Curve Number: 70.3
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0525_BC

Scenario: Existing
Node: 06_M_0525_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 45.7030 ac
Curve Number: 79.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0530_BC

Scenario: Existing
Node: 06_M_0530_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 76.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.0290 ac
Curve Number: 74.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_1

Scenario: Existing
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5500 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_2

Scenario: Existing
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.5400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_0620_BC

Scenario: Existing
Node: 06_M_0620_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5600 ac
Curve Number: 79.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0630_BC

Scenario: Existing
Node: 06_M_0630_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1400 ac
Curve Number: 80.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0650_BC

Scenario: Existing
Node: 06_M_0650_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 75.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9400 ac
Curve Number: 79.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0670_BC

Scenario: Existing
Node: 06_M_0670_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4100 ac
Curve Number: 79.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0680_BC

Scenario: Existing
Node: 06_M_0680_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.9800 ac
Curve Number: 74.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

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

Comment:

Simple Basin: 06_M_0690_BC_1

Scenario: Existing
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.0300 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0690_BC_2

Scenario: Existing
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 82.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.8000 ac
Curve Number: 66.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_0710_BC

Scenario: Existing
Node: 06_M_0710_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.0200 ac
Curve Number: 72.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_1

Scenario: Existing
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 104.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 20.1000 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_2

Scenario: Existing
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.9000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1100 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_3

Scenario: Existing
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 66.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_4

Scenario: Existing
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 86.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4400 ac
Curve Number: 80.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: 06_M_1100_BC

Scenario: Existing
Node: 06_M_1100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 36.4400 ac
Curve Number: 79.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2000_BC_1

Scenario: Existing
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7100 ac
Curve Number: 65.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_2000_BC_2

Scenario: Existing
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 77.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.3400 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2100_BC

Scenario: Existing
Node: 06_M_2100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 138.3100 ac
Curve Number: 76.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2200_BC

Scenario: Existing
Node: 06_M_2200_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 117.6000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 56.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2300_BC

Scenario: Existing
Node: 06_M_2300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 52.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.5800 ac
Curve Number: 78.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2400_BC

Scenario: Existing
Node: 06_M_2400_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 45.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 228.3100 ac
Curve Number: 67.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: 06_M_2500_BC

Scenario: Existing
Node: 06_M_2500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.9877 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2600_BC

Scenario: Existing
Node: 06_M_2600_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 42.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 21.5100 ac
Curve Number: 65.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_2700_BC

Scenario: Existing
Node: 06_M_2700_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 120.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 119.5300 ac
Curve Number: 77.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2800_BC

Scenario: Existing
Node: 06_M_2800_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0200 ac
Curve Number: 65.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3000_BC

Scenario: Existing
Node: 06_M_3000_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.6100 ac
Curve Number: 78.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3100_BC

Scenario: Existing
Node: 06_M_3100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 111.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 148.6320 ac
Curve Number: 60.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3200_BC

Scenario: Existing
Node: 06_M_3200_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 15.6814 ac
Curve Number: 67.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: 06_M_3250_BC

Scenario: Existing
Node: 06_M_3250_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9300 ac
Curve Number: 67.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3300_BC_1

Scenario: Existing
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 51.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.7600 ac
Curve Number: 57.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_3300_BC_2

Scenario: Existing
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6500 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_1

Scenario: Existing
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 107.9400 ac
Curve Number: 57.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_2

Scenario: Existing
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.3800 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_1

Scenario: Existing
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 33.1400 ac
Curve Number: 51.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_2

Scenario: Existing
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.0300 ac
Curve Number: 39.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: 06_M_3600_BC_1

Scenario: Existing
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 65.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 324.4100 ac
Curve Number: 45.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_2

Scenario: Existing
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7300 ac
Curve Number: 59.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_3600_BC_3

Scenario: Existing
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1700 ac
Curve Number: 46.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_4

Scenario: Existing
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 35.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9400 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4100_BC_1

Scenario: Existing
Node: 06_M_4100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 95.2361 ac
Curve Number: 55.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4200_BC_1

Scenario: Existing
Node: 06_M_4200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 16.0747 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5000_BC

Scenario: Existing
Node: 06_M_5000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.2500 ac
Curve Number: 40.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: 06_M_5100_BC

Scenario: Existing
Node: 06_M_5100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.4700 ac
Curve Number: 40.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5200_BC

Scenario: Existing
Node: 06_M_5200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9500 ac
Curve Number: 43.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: 06_M_5300_BC

Scenario: Existing
Node: 06_M_5300_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.1000 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5400_BC

Scenario: Existing
Node: 06_M_5400_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 19.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.8900 ac
Curve Number: 60.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5500_BC

Scenario: Existing
Node: 06_M_5500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 79.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 202.7900 ac
Curve Number: 45.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5600_BC

Scenario: Existing
Node: 06_M_5600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 94.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 742.5000 ac
Curve Number: 48.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0000

Scenario: Existing
Node: NML0000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 141.4118 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: ML0050

Scenario: Existing
Node: NML0050
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.8503 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0100

Scenario: Existing
Node: NML0100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 53.3904 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: ML0110

Scenario: Existing
Node: NML0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.9604 ac
Curve Number: 67.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0120

Scenario: Existing
Node: NML0120
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: Uh323
Peaking Factor: 323.0
Area: 1.0445 ac
Curve Number: 61.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0150

Scenario: Existing
Node: NML0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.5000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0099 ac
Curve Number: 63.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0200

Scenario: Existing
Node: NML0200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 58.2853 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0210

Scenario: Existing
Node: NML0210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 38.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 55.9184 ac
Curve Number: 80.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: ML0220

Scenario: Existing
Node: NML0220
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 35.9553 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0300

Scenario: Existing
Node: NML0300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 38.8395 ac
Curve Number: 63.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Simple Basin: ML0310

Scenario: Existing
Node: NML0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 33.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.3816 ac
Curve Number: 67.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0400

Scenario: Existing
Node: NML0400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.7492 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0410

Scenario: Existing
Node: NML0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 381.7660 ac
Curve Number: 78.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0420

Scenario: Existing
Node: NML0420
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 312.5364 ac
Curve Number: 69.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0430

Scenario: Existing
Node: NML0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 132.1490 ac
Curve Number: 44.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Comment:

Simple Basin: ML0500

Scenario: Existing
Node: NML0500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 34.8720 ac
Curve Number: 78.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0510

Scenario: Existing
Node: NML0510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.0957 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Simple Basin: ML0520

Scenario: Existing
Node: NML0520
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 25.8523 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0530

Scenario: Existing
Node: NML0530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 75.0376 ac
Curve Number: 73.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 06_M_0100_NT

Scenario: Existing
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 10.50 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.50
0	0	0	300.0000	2.50

Comment:

Node: 06_M_0110_NE

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0010	44
2.67	0.0110	479
3.17	0.0120	523
4.17	0.0180	784
4.67	0.0200	871
5.17	0.0210	915
5.67	0.0210	915
6.17	0.0220	958
6.67	0.0220	958
7.17	0.0260	1133
7.67	0.0300	1307
8.17	0.0350	1525
8.67	0.0470	2047
9.17	0.0850	3703
9.67	0.1620	7057
10.17	0.2690	11718
10.67	0.4950	21562
11.17	0.6880	29969
11.67	0.7550	32888
12.25	0.7600	33106

Comment:

Node: 06_M_0120_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.86 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
8.83	0.0006	26
9.33	0.0339	1477
9.83	0.0660	2875
10.33	0.1486	6473
10.83	0.2266	9871
11.33	0.3569	15547
11.83	0.4739	20643
12.33	0.5789	25217
12.83	0.6684	29116
13.33	0.7510	32714
13.83	0.8199	35715
14.33	0.8532	37165
14.83	0.8893	38738
14.92	0.8904	38786
3.90	0.0001	4

Comment:

Node: 06_M_0125_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.08 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.52	0.0010	44
8.02	0.0380	1655
8.52	0.2040	8886
9.02	0.4340	18905
9.52	0.9400	40946
10.02	2.2630	98576
10.52	4.0470	176287
11.02	5.9350	258529
11.52	7.6910	335020
12.02	8.6800	378101
12.52	9.3670	408027
13.02	9.7980	426801
13.52	10.0750	438867
14.02	10.2670	447231
14.52	10.4100	453460
15.02	10.5250	458469
15.52	10.6230	462738
16.02	10.6980	466005

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.70	10.7430	467965
6.12	0.0010	44

Comment:

Node: 06_M_0130_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.21	0.0006	26
9.71	0.0132	575
10.21	0.0809	3524
10.71	0.2467	10746
11.21	0.4424	19271
11.71	0.5789	25217
12.21	0.7143	31115
12.71	0.7992	34813
13.21	0.8709	37936
13.71	0.9381	40864
14.21	0.9690	42210
14.54	0.9713	42310
4.50	0.0001	4

Comment:

Node: 06_M_0140_NE

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.98 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.02	0.0010	44
13.00	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0145_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 7.14 ft
 Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0006	26
9.82	0.0218	950
10.32	0.1836	7998
10.82	0.5141	22394
11.32	1.0844	47236
11.82	1.3099	57059
12.32	1.3667	59533
12.82	1.3862	60383
13.32	1.4011	61032
13.82	1.4263	62130
13.99	1.4286	62230
8.18	0.0001	4

Comment:

Node: 06_M_0200_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.98 ft
 Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
4.97	0.0010	44
9.27	0.0010	44
9.77	0.0010	44
10.27	0.0300	1307
10.77	0.2200	9583
11.27	0.5700	24829
11.77	0.8300	36155
12.27	0.9800	42689
12.77	1.0700	46609
13.27	1.1100	48352
13.77	1.1200	48787
14.47	1.1300	49223

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0205_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 7.49 ft
 Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.98	0.0010	44
7.48	0.0100	436
7.98	0.0200	871
8.48	0.0500	2178
8.98	0.0900	3920
9.48	0.4800	20909
9.98	1.6700	72745
10.48	3.9700	172933
10.98	7.0800	308405
11.48	12.7300	554519
11.98	22.9500	999702
12.48	36.4500	1587762
12.98	57.5000	2504700
13.48	84.3100	3672544
13.98	111.1100	4839952
14.48	130.6300	5690243
14.98	144.9600	6314458
15.48	154.6900	6738296
15.98	161.2500	7024050
16.48	165.2400	7197854
16.98	167.8800	7312853
17.48	169.7900	7396052
17.98	171.1200	7453987
18.48	171.9200	7488835
18.98	172.2100	7501468
19.48	172.2900	7504952
20.17	172.3100	7505824

Comment:

Node: 06_M_0210_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 4.01 ft
 Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.13	0.0006	26

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
7.63	0.0017	74
8.13	0.0023	100
8.63	0.0052	227
9.13	0.0080	348
9.63	0.0178	775
10.13	0.0396	1725
10.63	0.0711	3097
11.13	0.1480	6447
11.63	0.3052	13295
12.13	0.5646	24594
12.63	0.8153	35514
13.13	1.0821	47136
13.63	1.2226	53256
14.13	1.3041	56807
14.63	1.3689	59629
14.82	1.3735	59830

Comment:

Node: 06_M_0220_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 9.46 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0010	44
5.71	0.0270	1176
6.21	0.0560	2439
6.71	0.0720	3136
7.21	0.0830	3615
7.71	0.0920	4008
8.21	0.0990	4312
8.71	0.1100	4792
9.21	0.1220	5314
9.71	0.1380	6011
10.21	0.1770	7710
10.71	0.2510	10934
11.21	0.6450	28096
11.71	1.1720	51052
12.21	1.5540	67692
12.71	1.7840	77711
13.21	1.9830	86379
13.71	2.0970	91345
14.21	2.1260	92609

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
14.61	2.1310	92826

Comment:

Node: 06_M_0230_NE

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.36 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0010	44
10.20	0.0010	44

Comment:

Node: 06_M_0240_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
7.19	0.0530	2309
7.69	0.0570	2483
8.19	0.0680	2962
8.69	0.0830	3615
9.19	0.0900	3920
9.69	0.0960	4182
10.19	0.1030	4487
10.69	0.1080	4704
11.19	0.1210	5271
11.69	0.2150	9365
12.19	0.3690	16074
12.69	0.4070	17729
13.19	0.4440	19341
13.69	0.4810	20952
14.19	0.5080	22128
14.67	0.5110	22259

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Node: 06_M_0250_NE

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Comment:

Node: 06_M_0260_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.96	0.0010	44
11.73	0.0630	2744
12.23	0.2500	10890
12.73	0.3950	17206
13.23	0.4340	18905
13.73	0.4560	19863
14.23	0.5290	23043
14.58	0.5560	24219

Comment:

Node: 06_M_0270_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.42	0.0010	44
11.57	0.0050	218
12.07	0.0240	1045

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.57	0.1390	6055
13.07	0.2860	12458
13.57	0.3890	16945
14.07	0.4440	19341
14.57	0.5060	22041
15.07	0.6060	26397
15.57	0.6390	27835
15.95	0.6430	28009

Comment:

Node: 06_M_0280_NE

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0290_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.51	0.0010	44
10.82	0.0060	261
11.32	0.0100	436
11.82	0.0210	915
12.32	0.0840	3659
12.82	0.4350	18949
13.32	0.6580	28662
13.82	0.7590	33062
14.32	0.8200	35719
14.82	0.8890	38725
15.32	0.9740	42427

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.77	1.0840	47219

Comment:

Node: 06_M_0300_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.18	0.0010	44
11.68	0.0070	305
12.18	0.0150	653
12.68	0.0380	1655
13.18	0.3310	14418
13.68	0.8390	36547
14.18	0.9690	42210
14.68	1.0120	44083
15.18	1.0480	45651
15.68	1.0770	46914
16.18	1.0880	47393
16.58	1.0900	47480
6.78	0.0010	44

Comment:

Node: 06_M_0310_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.86 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.02	0.0010	44
9.52	0.0010	44
10.02	0.0010	44
10.52	0.0010	44
11.02	0.0010	44
11.52	0.0050	218
12.02	0.0130	566

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.52	0.0260	1133
13.02	0.0430	1873
13.52	0.0680	2962
14.02	0.1740	7579
14.52	0.2750	11979
15.02	0.3180	13852
15.52	0.3780	16466
16.02	0.4040	17598
16.69	0.4660	20299
6.90	0.0010	44

Comment:

Node: 06_M_0315_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 9.55 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.88	0.0010	44
10.38	0.2210	9627
10.88	0.2690	11718
11.38	0.8840	38507
11.88	2.6430	115129
12.38	5.1090	222548
12.88	7.9370	345736
13.38	11.0630	481904
13.88	15.4690	673830
14.38	19.5260	850553
14.88	22.2290	968295
15.38	24.2730	1057332
15.88	25.9540	1130556
16.38	27.0080	1176468
16.88	27.6060	1202517
17.38	28.0130	1220246
17.88	28.1920	1228044
18.38	28.2840	1232051
18.88	28.3110	1233227
19.38	28.3200	1233619
19.67	28.3220	1233706

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0320_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.00 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.04	0.0010	44
16.40	0.0010	44

Comment:

Node: 06_M_0400_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.26 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.75	0.0010	44
12.25	0.0010	44
12.75	0.0010	44
13.25	0.0020	87
13.75	0.0240	1045
14.25	0.1470	6403
14.75	0.2130	9278
15.25	0.2330	10149
15.75	0.2390	10411
16.25	0.2910	12676
16.55	0.3310	14418
7.30	0.0010	44

Comment:

Node: 06_M_0410_NC

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.76 ft
 Warning Stage: 10.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.59	0.0010	44
11.09	0.0240	1045
11.59	0.1510	6578
12.09	0.4450	19384
12.59	1.0030	43691
13.09	1.7540	76404
13.59	3.0670	133599
14.09	4.0750	177507
14.59	4.5330	197457
15.09	4.7160	205429
15.59	4.7610	207389
16.11	4.7680	207694
7.80	0.0010	44

Comment:

Node: 06_M_0420_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.22	0.0010	44
9.72	0.0050	218
10.22	0.0120	523
10.72	0.0260	1133
11.22	0.0420	1830
11.72	0.0830	3615
12.22	0.2950	12850
12.72	0.5590	24350
13.22	0.7170	31233
13.72	0.8020	34935
14.22	0.8720	37984
14.72	0.9350	40729
15.22	0.9660	42079
15.72	1.0940	47655
16.26	1.2070	52577
8.30	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0425_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 11.00 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.09	0.0010	44
11.59	0.0550	2396
12.09	0.8250	35937
12.59	2.6840	116915
13.09	4.3780	190706
13.59	5.6480	246027
14.09	6.3590	276998
14.59	6.7600	294466
15.09	7.0800	308405
15.59	7.3950	322126
16.09	7.6670	333975
16.59	7.8720	342904
17.09	8.0460	350484
17.59	8.2250	358281
18.09	8.3300	362855
18.59	8.3800	365033
19.09	8.3920	365556
19.43	8.3940	365643

Comment:

Node: 06_M_0430_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 7.26 ft
 Warning Stage: 11.83 ft

Stage [ft]	Area [ac]	Area [ft2]
8.91	0.0010	44
16.00	0.0010	44

Comment:

Node: 06_M_0500_NS

Scenario: Existing

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.60 ft

Stage [ft]	Area [ac]	Area [ft2]
11.31	0.0010	44
11.81	0.2090	9104
12.31	0.5240	22825
12.81	0.7860	34238
13.31	0.9910	43168
13.81	1.1290	49179
14.31	1.1840	51575
14.81	1.1900	51836
15.31	1.1980	52185
15.81	1.3180	57412
16.16	1.3870	60418
8.00	0.0010	44

Comment:

Node: 06_M_0510_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.13 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.68	0.0010	44
12.18	0.0160	697
12.68	0.0890	3877
13.18	0.1700	7405
13.68	0.2590	11282
14.18	0.4750	20691
14.68	0.7380	32147
15.18	0.7880	34325
15.68	0.7940	34587
16.18	0.7990	34804
16.71	0.8050	35066
9.17	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0520_NC

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 8.57 ft
 Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.26	0.0010	44
11.76	0.0210	915
12.26	0.1590	6926
12.76	0.5540	24132
13.26	0.9080	39552
13.76	1.2120	52795
14.26	1.5850	69043
14.76	2.0450	89080
15.26	2.2770	99186
15.76	2.3670	103107
16.26	2.4530	106853
16.76	2.5160	109597
17.26	2.5430	110773
17.76	2.5880	112733
18.26	2.5980	113169
9.61	0.0010	44

Comment:

Node: 06_M_0525_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.53 ft
 Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.98	0.0010	44
10.48	0.3090	13460
10.98	0.5620	24481
11.48	2.9520	128589
11.98	6.1600	268330
12.48	10.0960	439782
12.98	15.6680	682498
13.48	21.2960	927654
13.98	26.6820	1162268
14.48	31.4830	1371399
14.98	35.9660	1566679
15.48	39.9180	1738828

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.98	42.9240	1869769
16.48	44.6310	1944126
16.98	45.2600	1971526
17.48	45.5190	1982808
17.98	45.6380	1987991
18.48	45.6780	1989734
19.19	45.6920	1990344

Comment:

Node: 06_M_0530_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 9.04 ft
 Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
10.08	0.0010	44
10.71	0.0010	44
11.21	0.0210	915
11.71	0.4220	18382
12.21	1.6750	72963
12.71	3.1440	136953
13.21	4.0570	176723
13.71	4.8010	209132
14.21	5.7290	249555
14.71	6.5850	286843
15.21	7.1740	312499
15.71	7.4560	324783
16.21	7.6540	333408
16.71	7.8060	340029
17.21	7.8760	343079
17.71	7.9080	344472
18.21	7.9430	345997
18.71	7.9620	346825
19.21	7.9650	346955
19.65	7.9680	347086

Comment:

Node: 06_M_0600_NS

Scenario: Existing

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.9500	41382
13.96	1.3500	58806
14.96	1.5500	67518

Comment:

Node: 06_M_0610_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.66 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.66	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0620_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.96	0.1100	4792
9.96	0.1800	7841
10.96	0.2100	9148
11.96	0.2700	11761
12.96	0.3900	16988
13.96	1.1400	49658
14.96	1.5000	65340

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0630_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 9.99 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4300	18731
13.96	0.8300	36155
14.96	1.8700	81457
15.96	2.0000	87120

Comment:

Node: 06_M_0640_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 9.99 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.79	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0650_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.06 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4400	19166
13.96	3.1400	136778
14.96	5.2700	229561
15.96	6.2400	271814

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0660_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.06 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.27	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0670_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.06 ft
 Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	1.4100	61420
14.96	3.1800	138521
15.96	3.4700	151153

Comment:

Node: 06_M_0680_NC

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.52 ft
 Warning Stage: 14.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.5800	25265
12.96	1.2500	54450
13.96	1.5000	65340
14.96	1.8000	78408
15.96	2.1400	93218

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_0690_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 12.07 ft
 Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.07	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0700_NE

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.27 ft
 Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.27	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0710_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.50 ft
 Warning Stage: 17.26 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	0.0010	44
18.30	0.0010	44

Comment:

Node: 06_M_1000_NS

Scenario: Existing
 Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Base Flow: 0.00 cfs
Initial Stage: 10.37 ft
Warning Stage: 13.56 ft

Stage [ft]	Area [ac]	Area [ft2]
9.96	0.0100	436
14.96	0.0200	871

Comment:

Node: 06_M_1100_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.96 ft
Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	8.9000	387684
12.96	20.5800	896465
13.96	30.2500	1317690
14.96	35.6400	1552478

Comment:

Node: 06_M_2000_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.41 ft
Warning Stage: 16.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.0100	436
17.96	0.0200	871

Comment:

Node: 06_M_2100_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Initial Stage: 12.46 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	12.0100	523156
12.96	38.7300	1687079
13.96	56.6100	2465932
14.96	96.3400	4196570
15.96	114.8100	5001124

Comment:

Node: 06_M_2200_NP

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.06 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.06	4.8900	213008
14.96	4.9900	217364
15.96	5.1000	222156
18.96	5.4500	237402
19.46	5.5200	240451
19.96	5.5800	243065

Comment:

Node: 06_M_2300_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.2000	182952
14.96	7.3700	321037
15.96	10.1000	439956
18.96	11.5800	504425

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: 06_M_2400_NP

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.96 ft
 Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	6.7500	294030
14.96	6.8900	300128
17.96	7.2900	317552
18.46	7.3600	320602
19.46	7.5000	326700
19.96	7.5700	329749

Comment:

Node: 06_M_2500_ND

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.96 ft
 Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.6900	204296
14.96	13.0200	567151
15.96	29.9000	1302444
16.96	37.9880	1654757

Comment:

Node: 06_M_2600_NP

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.96 ft
 Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	1.6700	72745
16.96	1.7400	75794
17.96	1.8100	78844
19.46	1.9100	83200

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
19.96	1.9500	84942

Comment:

Node: 06_M_2700_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	12.9100	562360
14.96	37.0400	1613462
15.96	59.9400	2610986
16.96	93.4500	4070682
19.96	118.3000	5153148

Comment:

Node: 06_M_2800_NP

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 20.46 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	7.7700	338461
20.46	8.7100	379408

Comment:

Node: 06_M_3000_NC

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 15.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_3100_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.04 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
12.40	1.1070	48221
12.90	1.1580	50442
13.40	1.2580	54798
13.90	2.0910	91084
14.40	4.3660	190183
14.90	6.6900	291416
15.40	10.2650	447143
15.90	16.0230	697962
16.40	24.0270	1046616
16.90	33.0730	1440660
17.40	41.5060	1808001
17.90	47.9440	2088441
18.40	52.8770	2303322
18.90	56.8390	2475907
19.40	61.1330	2662953
19.90	65.0850	2835103
20.40	69.1860	3013742
20.90	74.0930	3227491
21.40	80.4820	3505796
21.90	88.6950	3863554
22.40	99.8800	4350773
22.90	111.5970	4861165
23.40	121.6880	5300729
23.90	128.3280	5589968
24.40	132.8070	5785073
24.90	136.7730	5957832
25.40	140.3440	6113385
25.90	143.4410	6248290
26.40	145.8960	6355230
26.90	147.2560	6414471
27.40	148.0820	6450452
27.90	148.4120	6464827
28.40	148.5090	6469052

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.90	148.5940	6472755
29.40	148.6340	6474497
29.79	148.6410	6474802

Comment:

Node: 06_M_3200_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.46	0.0010	44
16.96	0.0390	1699
17.46	0.9910	43168
17.96	6.4770	282138
18.46	11.0890	483037
18.96	13.0900	570200
19.46	13.8640	603916
19.96	14.2210	619467
20.46	14.4460	629268
20.96	14.7550	642728
21.46	15.0780	656798
21.96	15.2970	666337
22.46	15.4260	671957
22.96	15.5160	675877
23.46	15.5820	678752
23.96	15.6140	680146
24.46	15.6390	681235
24.96	15.6630	682280
25.62	15.6810	683064

Comment:

Node: 06_M_3250_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 18.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.96	0.0010	44
20.00	0.0010	44

Comment:

Node: 06_M_3300_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.96	0.6200	27007
15.96	14.1500	616374
16.96	20.3100	884704
17.96	24.7300	1077239
18.96	28.2300	1229699

Comment:

Node: 06_M_3400_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.6300	27443
17.96	7.0000	304920
18.96	34.7900	1515452
19.96	56.4300	2458091
20.96	70.2700	3060961
21.96	78.3900	3414668

Comment:

Node: 06_M_3500_ND

Scenario: Existing
Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Base Flow: 0.00 cfs
Initial Stage: 18.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
18.96	6.2600	272686
19.96	9.0100	392476
20.96	12.1100	527512
21.96	15.0200	654271
22.96	18.3200	798019

Comment:

Node: 06_M_3600_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.2800	12197
20.96	18.4600	804118
21.96	30.1100	1311592
22.96	47.0000	2047320
28.96	76.5500	3334518

Comment:

Node: 06_M_4100_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.0010	44
18.00	0.0070	305
18.50	1.3160	57325
19.00	4.2860	186698
19.50	10.6220	462694
20.00	16.7480	729543
20.50	22.7160	989509

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.00	28.5720	1244596
21.50	35.3880	1541501
22.00	42.7530	1862321
22.50	48.7750	2124639
23.00	52.2900	2277752
23.50	55.5660	2420455
24.00	57.3780	2499386
24.50	58.7050	2557190
25.00	59.8360	2606456
25.50	60.8650	2651279
26.00	62.0550	2703116
26.50	63.3040	2757522
27.00	64.6950	2818114
27.50	66.2110	2884151
28.00	68.0880	2965913
28.50	70.4610	3069281
29.00	73.6690	3209022
29.50	77.6550	3382652
30.00	81.9040	3567738
30.50	85.4170	3720765
31.00	88.1950	3841774
31.50	91.1840	3971975
32.00	94.4130	4112630
32.50	96.3510	4197050
33.00	97.2680	4236994
33.50	97.6240	4252501
34.00	97.9080	4264872
34.50	98.0760	4272191
35.00	98.1850	4276939
35.50	98.3080	4282296
36.00	98.3680	4284910
36.50	98.3940	4286043
36.86	98.3980	4286217

Comment:

Node: 06_M_4200_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
17.00	0.0010	44
17.51	0.0200	871

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
18.01	1.1800	51401
18.51	1.9970	86989
19.01	2.7710	120705
19.51	3.8130	166094
20.01	5.0050	218018
20.51	6.3830	278043
21.01	8.4520	368169
21.51	10.9650	477635
22.01	13.2350	576517
22.51	14.6640	638764
23.01	15.7650	686723
23.51	16.6280	724316
24.01	17.0870	744310
24.51	17.3720	756724
25.01	17.5100	762736
25.51	17.5590	764870
26.01	17.5900	766220
26.51	17.6210	767571
27.01	17.6630	769400
27.51	17.6980	770925
27.79	17.7030	771143

Comment:

Node: 06_M_5000_NS

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 20.36 ft
 Warning Stage: 23.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.36	0.0010	44
25.00	0.0010	44

Comment:

Node: 06_M_5100_ND

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 21.96 ft
 Warning Stage: 24.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.96	0.5600	24394
22.96	0.8600	37462
23.96	2.7900	121532
24.96	6.6400	289238
25.96	10.7300	467399

Comment:

Node: 06_M_5200_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.06	0.0010	44
28.00	0.0010	44

Comment:

Node: 06_M_5300_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 31.56 ft
Warning Stage: 43.96 ft

Stage [ft]	Area [ac]	Area [ft2]
31.56	0.0010	44
45.00	0.0010	44

Comment:

Node: 06_M_5400_NS

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.46 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.46	0.0100	436
26.96	0.0200	871

Comment:

Node: 06_M_5500_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 24.46 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.4100	17860
20.96	3.3200	144619
21.96	16.4400	716126
22.96	25.2400	1099454
23.96	42.0000	1829520
24.96	52.7200	2296483
25.96	64.1700	2795245
26.96	83.7000	3645972
27.96	92.4900	4028864

Comment:

Node: 06_M_5600_ND

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	3.0400	132422
20.96	4.0300	175547
21.96	5.1600	224770
22.96	22.2800	970517
23.96	87.4700	3810193
24.96	116.3600	5068642
25.96	145.5700	6341029
26.96	182.3600	7943602
28.96	225.4600	9821038

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
33.96	295.8300	12886355

Comment:

Node: MULLET_LAKE

Scenario: Existing
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.58
0	0	0	300.0000	2.58

Comment:

Node: NML0000

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0010	44
2.00	0.0690	3006
2.50	1.8720	81544
3.00	13.4810	587232
3.50	35.1430	1530829
4.00	48.7030	2121503
4.50	55.7580	2428818
5.00	61.5450	2680900
5.50	67.4190	2936772
6.00	73.4470	3199351
6.50	79.8370	3477700
7.00	86.1390	3752215
7.50	91.3410	3978814
8.00	96.1470	4188163
8.50	100.5130	4378346
9.00	105.0230	4574802
9.50	109.6630	4776920

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.00	113.6280	4949636
10.50	116.7300	5084759
11.00	119.6550	5212172
11.50	122.4540	5334096
12.00	124.6500	5429754
12.50	126.4540	5508336
13.00	127.9360	5572892
13.50	129.4860	5640410
14.00	131.1580	5713242
14.50	132.9010	5789168
15.00	134.9130	5876810
15.50	137.0640	5970508
16.00	138.9340	6051965
16.50	140.1880	6106589
17.00	141.0000	6141960
17.50	141.2470	6152719
18.00	141.3110	6155507
18.50	141.3420	6156858
19.00	141.3700	6158077
19.41	141.3740	6158251
-0.30	0.0010	44
1.40	0.0010	44

Comment:

Node: NML0050

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.16 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
9.72	0.0010	44
10.22	0.0120	523
10.72	0.2900	12632
11.22	1.0380	45215
11.72	2.5470	110947
12.22	3.9070	170189
12.72	4.8690	212094
13.22	5.6010	243980
13.72	6.3530	276737
14.22	7.0360	306488
14.72	7.4770	325698
15.22	7.6470	333103
15.72	7.8090	340160

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.22	7.8250	340857
16.72	7.8340	341249
17.22	7.8440	341685
17.48	7.8480	341859

Comment:

Node: NML0100

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.37 ft
 Warning Stage: 8.12 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0010	44
4.75	0.0350	1525
5.25	0.1140	4966
5.75	0.2740	11935
6.25	0.4980	21693
6.75	0.9750	42471
7.25	2.1380	93131
7.75	3.5290	153723
8.25	4.9500	215622
8.75	6.3560	276867
9.25	7.4310	323694
9.75	8.3640	364336
10.25	9.2700	403801
10.75	10.3530	450977
11.25	12.0340	524201
11.75	14.0980	614109
12.25	16.1080	701664
12.75	17.7440	772929
13.25	19.4120	845587
13.75	21.3550	930224
14.25	23.2350	1012117
14.75	25.1750	1096623
15.25	27.3310	1190538
15.75	29.1270	1268772
16.25	31.1370	1356328
16.75	32.8780	1432166
17.25	34.8420	1517718
17.75	37.1120	1616599
18.25	39.4660	1719139
18.75	41.7670	1819371
19.25	44.1220	1921954

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
19.75	46.2520	2014737
20.25	48.1680	2098198
20.75	50.3520	2193333
21.25	51.5320	2244734
21.75	52.1010	2269520
22.25	52.4710	2285637
22.75	52.7860	2299358
23.25	53.1400	2314778
23.75	53.3130	2322314
24.25	53.3910	2325712
24.70	53.4180	2326888
3.37	0.0010	44

Comment:

Node: NML0110

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 8.49 ft
 Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
9.90	0.0010	44
10.40	0.0700	3049
10.90	0.4090	17816
11.40	1.4300	62291
11.90	2.6860	117002
12.40	3.8070	165833
12.90	4.8760	212399
13.40	5.6170	244677
13.90	6.2930	274123
14.40	7.4180	323128
14.90	8.1220	353794
15.40	8.5300	371567
15.90	8.6920	378624
16.40	8.7850	382675
16.90	8.8510	385550
17.40	8.9040	387858
17.90	8.9320	389078
18.40	8.9500	389862
18.90	8.9560	390123
19.55	8.9600	390298
8.33	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: NML0120

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.69 ft
 Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
15.04	0.0010	44
15.54	0.0130	566
16.04	0.0480	2091
16.54	0.0980	4269
17.04	0.1620	7057
17.54	0.2300	10019
18.04	0.3000	13068
18.54	0.4020	17511
19.04	0.4990	21736
19.54	0.6120	26659
20.04	0.7350	32017
20.54	0.8300	36155
21.04	0.8720	37984
21.54	0.9010	39248
22.04	0.9300	40511
22.54	0.9500	41382
23.04	0.9690	42210
23.54	0.9890	43081
24.04	1.0020	43647
24.54	1.0170	44301
25.04	1.0390	45259
25.73	1.0520	45825

Comment:

Node: NML0150

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 18.80 ft
 Warning Stage: 20.30 ft

Stage [ft]	Area [ac]	Area [ft2]
18.30	0.0010	44
18.80	1.0330	44997
19.30	1.2550	54668
19.80	2.0080	87468
20.30	2.8720	125104
20.80	6.2140	270682

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.30	12.5080	544848
21.80	15.6940	683631
22.30	17.9430	781597
22.80	19.5320	850814
23.30	20.4330	890061
23.80	20.9720	913540
24.30	21.6770	944250
24.80	22.2490	969166
25.30	22.4460	977748
25.80	22.5770	983454
26.30	22.7590	991382
26.80	22.9290	998787
27.30	22.9980	1001793
27.96	23.0020	1001967

Comment:

Node: NML0200

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.10 ft
Warning Stage: 5.55 ft

Stage [ft]	Area [ac]	Area [ft2]
3.01	0.0010	44
3.51	0.0110	479
4.01	0.0350	1525
4.51	0.0960	4182
5.01	0.2360	10280
5.51	0.5400	23522
6.01	1.4910	64948
6.51	3.3320	145142
7.01	8.2170	357933
7.51	14.8390	646387
8.01	20.8740	909271
8.51	26.2620	1143973
9.01	31.8700	1388257
9.51	36.6300	1595603
10.01	40.8880	1781081
10.51	44.9020	1955931
11.01	47.7970	2082037
11.51	49.6500	2162754
12.01	51.0070	2221865
12.51	52.3310	2279538
13.01	53.7660	2342047

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
13.51	55.2940	2408607
14.01	56.8520	2476473
14.51	57.5730	2507880
15.01	57.9610	2524781
15.51	58.2480	2537283
16.01	58.3090	2539940
16.47	58.3170	2540289

Comment:

Node: NML0210

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0490	2134
6.45	0.0890	3877
6.95	1.7010	74096
7.45	5.5070	239885
7.95	12.2730	534612
8.45	18.6630	812960
8.95	24.2790	1057593
9.45	29.2130	1272518
9.95	33.9910	1480648
10.45	40.5850	1767883
10.95	44.7890	1951009
11.45	48.5690	2115666
11.95	51.8240	2257453
12.45	53.2980	2321661
12.95	54.0350	2353765
13.45	54.5870	2377810
13.95	55.0500	2397978
14.45	55.4250	2414313
14.95	55.6940	2426031
15.45	55.8170	2431389
15.95	55.8700	2433697
16.41	55.8860	2434394
5.40	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: NML0220

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.80 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
6.82	0.0010	44
7.32	0.0340	1481
7.82	0.3880	16901
8.32	0.9840	42863
8.82	1.6530	72005
9.32	2.1770	94830
9.82	3.1720	138172
10.32	5.6270	245112
10.82	9.1660	399271
11.32	13.7940	600867
11.82	18.1200	789307
12.32	22.1890	966553
12.82	25.7450	1121452
13.32	29.6650	1292207
13.82	32.9250	1434213
14.32	34.3710	1497201
14.82	35.0220	1525558
15.32	35.5150	1547033
15.82	35.8480	1561539
16.32	35.9390	1565503
16.82	35.9730	1566984
17.32	35.9820	1567376

Comment:

Node: NML0300

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.84 ft
Warning Stage: 11.70 ft

Stage [ft]	Area [ac]	Area [ft2]
7.34	0.0010	44
7.84	0.0250	1089
8.34	0.1290	5619
8.84	0.2340	10193
9.34	0.3920	17076
9.84	0.5570	24263

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.34	0.7250	31581
10.84	0.9070	39509
11.34	1.1020	48003
11.84	1.3150	57281
12.34	1.5550	67736
12.84	1.7720	77188
13.34	2.0140	87730
13.84	2.2620	98533
14.34	2.5650	111731
14.84	2.8820	125540
15.34	3.2880	143225
15.84	3.9890	173761
16.34	5.4370	236836
16.84	6.9250	301653
17.34	7.9490	346258
17.84	8.9010	387728
18.34	10.0230	436602
18.84	11.6250	506385
19.34	13.3920	583356
19.84	15.0760	656711
20.34	17.2090	749624
20.84	19.5640	852208
21.34	22.5730	983280
21.84	26.0950	1136698
22.34	29.0320	1264634
22.84	31.3410	1365214
23.34	33.1320	1443230
23.84	35.1820	1532528
24.34	36.9290	1608627
24.84	37.8410	1648354
25.34	38.4440	1674621
25.84	38.6980	1685685
26.34	38.8080	1690476
26.67	38.8230	1691130

Comment:

Node: NML0310

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.66 ft
Warning Stage: 20.10 ft

Stage [ft]	Area [ac]	Area [ft2]
19.66	1.0680	46522

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.16	1.0840	47219
20.66	1.1060	48177
21.16	1.1290	49179
21.66	1.1530	50225
22.16	1.2110	52751
22.66	1.3690	59634
23.16	1.8270	79584
23.66	2.9260	127457
24.16	4.7360	206300
24.66	7.7310	336762
25.16	9.1530	398705
25.72	9.3910	409072

Comment:

Node: NML0400

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 8.10 ft
 Warning Stage: 12.20 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0010	44
9.82	0.0140	610
10.32	0.0350	1525
10.82	0.0770	3354
11.32	0.1250	5445
11.82	0.1780	7754
12.32	0.2800	12197
12.82	0.3940	17163
13.32	0.5180	22564
13.82	0.6550	28532
14.32	0.7990	34804
14.82	0.9930	43255
15.32	1.2940	56367
15.82	1.8880	82241
16.32	2.6320	114650
16.82	3.1770	138390
17.32	3.6010	156860
17.82	3.9540	172236
18.32	4.2880	186785
18.82	4.5220	196978
19.32	4.7940	208827
19.82	5.1220	223114
20.32	5.4130	235790

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.82	5.6730	247116
21.32	5.7440	250209
21.75	5.7540	250644

Comment:

Node: NML0410

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
12.86	0.0010	44
13.36	0.0650	2831
13.86	2.3670	103107
14.36	8.5900	374180
14.86	15.7800	687377
15.36	21.3510	930050
15.86	25.3410	1103854
16.36	28.5390	1243159
16.86	31.6400	1378238
17.36	34.6440	1509093
17.86	37.1850	1619779
18.36	39.8450	1735648
18.86	43.0860	1876826
19.36	46.6690	2032902
19.86	50.4260	2196557
20.36	54.7800	2386217
20.86	60.2240	2623357
21.36	67.5530	2942609
21.86	75.5090	3289172
22.36	83.1740	3623059
22.86	91.3130	3977594
23.36	102.0060	4443381
23.86	112.4190	4896972
24.36	123.8010	5392772
24.86	140.0460	6100404
25.36	174.2800	7591637
25.86	216.8760	9447119
26.36	252.2660	10988707
26.86	289.1130	12593762
27.36	315.9300	13761911
27.86	330.3960	14392050
28.36	340.2480	14821203

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.86	349.4620	15222565
29.36	358.3800	15611033
29.86	365.9130	15939170
30.36	371.4710	16181277
30.86	374.7100	16322368
31.36	377.3980	16439457
31.86	379.3460	16524312
32.36	380.5620	16577281
32.86	381.2610	16607729
33.36	381.6060	16622757
33.86	381.7280	16628072
34.36	381.7420	16628682
34.86	381.7490	16628986
35.58	381.7580	16629378

Comment:

Node: NML0420

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.90 ft
Warning Stage: 26.70 ft

Stage [ft]	Area [ac]	Area [ft2]
19.17	0.0010	44
19.67	0.0010	44
20.17	0.0650	2831
20.67	0.8740	38071
21.17	3.6030	156947
21.67	7.3200	318859
22.17	11.8740	517231
22.67	18.6690	813222
23.17	27.0950	1180258
23.67	36.9290	1608627
24.17	49.0380	2136095
24.67	64.7770	2821686
25.17	83.8940	3654423
25.67	109.0400	4749782
26.17	134.2810	5849280
26.67	152.2940	6633927
27.17	163.5570	7124543
27.67	170.9870	7448194
28.17	177.0420	7711950
28.67	185.0510	8060822
29.17	194.1250	8456085

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
29.67	201.0040	8755734
30.17	209.4950	9125602
30.67	216.3410	9423814
31.17	223.0020	9713967
31.67	227.7400	9920354
32.17	233.0580	10152006
32.67	239.8120	10446211
33.17	245.6980	10702605
33.67	250.1250	10895445
34.17	254.0920	11068248
34.67	259.0960	11286222
35.17	263.9100	11495920
35.67	266.9280	11627384
36.17	269.1900	11725916
36.67	271.2850	11817175
37.17	273.7430	11924245
37.67	275.6160	12005833
38.17	277.0970	12070345
38.67	278.5350	12132985
39.17	280.1680	12204118
39.67	281.8330	12276645
40.17	283.6970	12357841
40.67	285.5110	12436859
41.17	287.3130	12515354
41.67	288.9460	12586488
42.17	290.4970	12654049
42.67	291.9700	12718213
43.17	293.4380	12782159
43.67	294.7990	12841444
44.17	296.1790	12901557
44.67	297.6530	12965765
45.17	299.3400	13039250
45.67	301.2920	13124280
46.17	303.1410	13204822
46.67	304.9690	13284450
47.17	306.6100	13355932
47.67	307.8470	13409815
48.17	308.7460	13448976
48.67	309.5480	13483911
49.17	310.3410	13518454
49.67	311.2020	13555959
50.17	311.9580	13588890
50.67	312.3050	13604006
51.17	312.4950	13612282
51.67	312.5570	13614983
51.99	312.5670	13615419

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Node: NML0430

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 30.87 ft
 Warning Stage: 32.50 ft

Stage [ft]	Area [ac]	Area [ft2]
26.46	0.0010	44
26.96	0.2250	9801
27.46	0.2840	12371
27.96	0.3470	15115
28.46	0.4960	21606
28.96	0.7500	32670
29.46	1.3750	59895
29.96	4.0820	177812
30.46	6.9390	302263
30.96	8.7190	379800
31.46	10.6440	463653
31.96	12.6940	552951
32.46	14.7470	642379
32.96	16.6710	726189
33.46	18.8350	820453
33.96	21.2620	926173
34.46	23.8150	1037381
34.96	26.7300	1164359
35.46	29.8440	1300005
35.96	32.0930	1397971
36.46	33.8410	1474114
36.96	34.9770	1523598
37.46	35.7970	1559317
37.96	36.5690	1592946
38.46	37.4010	1629188
38.96	38.0880	1659113
39.46	38.8300	1691435
39.96	39.6100	1725412
40.46	40.5670	1767099
40.96	41.6710	1815189
41.46	42.6910	1859620
41.96	43.5140	1895470
42.46	44.3790	1933149
42.96	45.3340	1974749
43.46	46.3410	2018614
43.96	47.5120	2069623
44.46	49.0470	2136487
44.96	50.4110	2195903
45.46	51.7020	2252139
45.96	53.0460	2310684
46.46	54.5110	2374499

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
46.96	56.5080	2461488
47.46	58.8590	2563898
47.96	61.1750	2664783
48.46	63.2060	2753253
48.96	65.5340	2854661
49.46	67.8250	2954457
49.96	70.7010	3079736
50.46	73.1890	3188113
50.96	75.5120	3289303
51.46	77.7280	3385832
51.96	80.1910	3493120
52.46	83.1540	3622188
52.96	85.5400	3726122
53.46	88.0530	3835589
53.96	90.9360	3961172
54.46	93.6170	4077957
54.96	96.4150	4199837
55.46	99.1800	4320281
55.96	102.5050	4465118
56.46	105.0670	4576719
56.96	107.0270	4662096
57.46	108.6720	4733752
57.96	110.0950	4795738
58.46	111.8200	4870879
58.96	113.8300	4958435
59.46	115.7220	5040850
59.96	117.2130	5105798
60.46	118.4410	5159290
60.96	119.4080	5201412
61.46	120.1950	5235694
61.96	120.9950	5270542
62.46	121.9040	5310138
62.96	122.6620	5343157
63.46	123.3380	5372603
63.96	124.0140	5402050
64.46	124.5580	5425746
64.96	125.1770	5452710
65.46	125.7820	5479064
65.96	126.2990	5501584
66.46	126.7720	5522188
66.96	127.2910	5544796
67.46	127.7850	5566315
67.96	128.2070	5584697
68.46	128.5730	5600640
68.96	128.9280	5616104
69.46	129.2970	5632177
69.96	129.6420	5647206
70.46	129.9720	5661580

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
70.96	130.2970	5675737
71.46	130.6660	5691811
71.96	131.0090	5706752
72.46	131.3180	5720212
72.96	131.5230	5729142
73.46	131.7020	5736939
73.96	131.8230	5742210
74.46	131.9520	5747829
74.96	132.0710	5753013
75.46	132.1390	5755975
75.96	132.1570	5756759
76.31	132.1590	5756846

Comment:

Node: NML0500

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 12.50 ft

Stage [ft]	Area [ac]	Area [ft2]
8.50	0.0010	44
9.01	0.0010	44
9.51	0.0300	1307
10.01	0.1160	5053
10.51	0.3680	16030
11.01	1.2950	56410
11.51	2.8890	125845
12.01	4.7260	205865
12.51	7.4760	325655
13.01	11.3190	493056
13.51	15.3100	666904
14.01	18.3310	798498
14.51	21.0570	917243
15.01	23.7430	1034245
15.51	25.9380	1129859
16.01	27.7950	1210750
16.51	30.1850	1314859
17.01	32.0350	1395445
17.51	33.1280	1443056
18.01	33.7440	1469889
18.51	34.1450	1487356
19.01	34.5070	1503125
19.51	34.7540	1513884

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.01	34.8320	1517282
20.51	34.8590	1518458
21.01	34.8700	1518937
21.14	34.8700	1518937

Comment:

Node: NML0510

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 7.95 ft
 Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.93	0.0010	44
8.43	0.0300	1307
8.93	0.0620	2701
9.43	0.4140	18034
9.93	0.9660	42079
10.43	1.3860	60374
10.93	2.1730	94656
11.43	3.0020	130767
11.93	4.1360	180164
12.43	5.5850	243283
12.93	6.8340	297689
13.43	8.0170	349221
13.93	8.6700	377665
14.43	8.8820	386900
14.93	8.9970	391909
15.43	9.0660	394915
15.93	9.1030	396527
16.56	9.1110	396875

Comment:

Node: NML0520

Scenario: Existing
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.72 ft
 Warning Stage: 9.80 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
8.20	0.0010	44
8.70	0.0370	1612
9.20	0.5750	25047
9.70	1.7370	75664
10.20	3.7410	162958
10.70	6.7910	295816
11.20	10.3560	451107
11.70	13.9580	608010
12.20	17.0080	740868
12.70	19.5060	849681
13.20	21.9820	957536
13.70	23.8880	1040561
14.20	24.9350	1086169
14.70	25.4420	1108254
15.20	25.7630	1122236
15.70	25.8410	1125634
16.27	25.8490	1125982

Comment:

Node: NML0530

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.76 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.76	0.0010	44
7.65	0.0200	871
8.15	0.0380	1655
8.65	0.1350	5881
9.15	0.3950	17206
9.65	1.0210	44475
10.15	1.5810	68868
10.65	2.0450	89080
11.15	2.6540	115608
11.65	3.3450	145708
12.15	4.0670	177159
12.65	4.9940	217539
13.15	7.2430	315505
13.65	10.0150	436253
14.15	13.3540	581700
14.65	16.9240	737209
15.15	22.0440	960237
15.65	27.8010	1211012

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.15	34.4670	1501383
16.65	40.2220	1752070
17.15	45.0370	1961812
17.65	49.0770	2137794
18.15	52.4290	2283807
18.65	55.2110	2404991
19.15	57.7250	2514501
19.65	59.8640	2607676
20.15	61.6860	2687042
20.65	63.2640	2755780
21.15	64.4990	2809576
21.65	65.7310	2863242
22.15	67.0510	2920742
22.65	68.2010	2970836
23.15	69.7170	3036873
23.65	71.4390	3111883
24.15	72.5830	3161715
24.65	73.6960	3210198
25.15	74.5150	3245873
25.65	74.7990	3258244
26.15	74.8870	3262078
26.65	74.9430	3264517
27.15	74.9830	3266259
27.65	75.0150	3267653
28.40	75.0330	3268437

Comment:

Channel Link: 06_M_0110_LC		Upstream	Downstream
Scenario:	Existing	Invert: 1.40 ft	Invert: -0.04 ft
From Node:	06_M_0110_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0100_NT	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0110_XC_1	Cross Section: 06_M_0110_XC_2
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1650.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	1.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0110_NE_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	9.98 ft	Discharge Coefficients
Control Elevation:	9.98 ft	Weir Default: 2.800
Cross Section:	06_M_0110_NE_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0110_NE_W2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	06_M_0100_NT	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:	Rectangular	Ref Node:
Invert:	10.70 ft	Discharge Coefficients
Control Elevation:	10.70 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0120_LP		
	Upstream	Downstream
Scenario:	Existing	Invert: 1.46 ft
From Node:	06_M_0120_NS	Manning's N: 0.0240
To Node:	06_M_0110_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Circular
Flow Direction:	Both	Max Depth: 4.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	72.00 ft	Default: 0.00 ft
FHWA Code:	5	Op Table:
Entr Loss Coef:	0.70	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
	Default: 0.00 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_0120_NS_W1

Scenario:	Existing	Bottom Clip
From Node:	06_M_0120_NS	Default: 0.00 ft
To Node:	06_M_0110_NE	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:	10.42 ft	Discharge Coefficients
Control Elevation:	10.42 ft	Weir Default: 2.800
Cross Section:	06_M_0120_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0120_NS_W2

Scenario:	Existing	Bottom Clip
From Node:	06_M_0120_NS	Default: 0.00 ft
To Node:	06_M_0100_NT	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:	10.15 ft	Discharge Coefficients
Control Elevation:	10.15 ft	Weir Default: 2.800
Cross Section:	06_M_0120_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: 06_M_0125_LP

	Upstream	Downstream
Scenario:	Existing	Invert: 3.61 ft
From Node:	06_M_0125_NS	Manning's N: 0.0240
To Node:	06_M_0120_NS	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction: Both

Damping: 0.0000 ft

Length: 47.00 ft

FHWA Code: 4

Entr Loss Coef: 0.50

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

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

Comment:

Weir Link: 06_M_0125_NS_W1

Scenario: Existing

From Node: 06_M_0125_NS

To Node: MULLET_LAKE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.18 ft

Control Elevation: 10.18 ft

Cross Section: 06_M_0125_NS_W1X

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: 06_M_0125_NS_W2

Scenario: Existing

From Node: 06_M_0125_NS

To Node: 06_M_0120_NS

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.72 ft

Control Elevation: 10.72 ft

Cross Section: 06_M_0125_NS_W2X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0125_NS_W3		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0125_NS	Default: 0.00 ft
To Node:	06_M_0110_NE	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:	10.52 ft	Discharge Coefficients
Control Elevation:	10.52 ft	Weir Default: 2.800
Cross Section:	06_M_0125_NS_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0130_LC		
	Upstream	Downstream
Scenario:	Existing	Invert: 3.46 ft
From Node:	06_M_0130_NC	Invert: 2.86 ft
To Node:	06_M_0120_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	275.00 ft	Cross Section: 06_M_0130_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0130_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0130_NC_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0130_NC	Default: 0.00 ft
To Node:	06_M_0120_NS	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:	9.36 ft	Discharge Coefficients
Control Elevation:	9.36 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Cross Section: 06_M_0130_NC_W1X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0130_NC_W2

Scenario: Existing	Bottom Clip
From Node: 06_M_0130_NC	Default: 0.00 ft
To Node: 06_M_0125_NS	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: 11.11 ft	Discharge Coefficients
Control Elevation: 11.11 ft	Weir Default: 2.800
Cross Section: 06_M_0130_NC_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Channel Link: 06_M_0140_LC

	Upstream	Downstream
Scenario: Existing	Invert: 3.98 ft	Invert: 3.46 ft
From Node: 06_M_0140_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0130_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0140_XC_1	Cross Section: 06_M_0140_XC_2
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 290.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Pipe Link: 06_M_0145_LP

	Upstream	Downstream
Scenario: Existing	Invert: 7.14 ft	Invert: 5.62 ft
From Node: 06_M_0145_NS	Manning's N: 0.0240	Manning's N: 0.0240

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

To Node:	06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	80.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0145_NS_W1			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0140_NE	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:	10.44 ft	Discharge Coefficients	
Control Elevation:	10.44 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0145_NS_W2			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0100_NT	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:	10.42 ft	Discharge Coefficients	
Control Elevation:	10.42 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Pipe Link: 06_M_0200_LP		
	Upstream	Downstream
Scenario: Existing	Invert: 3.93 ft	Invert: 3.98 ft
From Node: 06_M_0200_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 58.00 ft	Op Table:	Op Table:
FHWA Code: 4	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0200_NS_W1		
Scenario: Existing	Bottom Clip	
From Node: 06_M_0200_NS	Default: 0.00 ft	
To Node: 06_M_0145_NS	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: 10.79 ft	Discharge Coefficients	
Control Elevation: 10.79 ft	Weir Default: 2.800	
Cross Section: 06_M_0200_NS_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0200_NS_W2		
Scenario: Existing	Bottom Clip	
From Node: 06_M_0200_NS	Default: 0.00 ft	
To Node: 06_M_0125_NS	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.07 ft
 Control Elevation: 13.07 ft
 Cross Section: 06_M_0200_NS_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: 06_M_0200_NS_W3

Scenario: Existing
 From Node: 06_M_0200_NS
 To Node: 06_M_0220_NS
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Paved Road Vertical
 Geometry Type: Irregular
 Invert: 13.07 ft
 Control Elevation: 13.07 ft
 Cross Section: 06_M_0200_NS_W3X

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: 06_M_0205_NE_W1

Scenario: Existing
 From Node: 06_M_0205_NE
 To Node: 06_M_0210_NE
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 7.49 ft
 Control Elevation: 7.49 ft
 Cross Section: 06_M_0205_NE_W1X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0205_NE_W2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.20 ft	Discharge Coefficients
Control Elevation:	11.20 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0205_NE_W3		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.06 ft	Discharge Coefficients
Control Elevation:	11.06 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0210_LC		
Scenario:	Existing	Invert: 4.01 ft
From Node:	06_M_0210_NE	Invert: 3.93 ft
To Node:	06_M_0200_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	440.00 ft	Cross Section: 06_M_0210_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0210_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0210_NE_W2

Scenario: Existing	Bottom Clip
From Node: 06_M_0210_NE	Default: 0.00 ft
To Node: 06_M_0200_NS	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: 12.24 ft	Discharge Coefficients
Control Elevation: 12.24 ft	Weir Default: 2.800
Cross Section: 06_M_0210_NE_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: 06_M_0220_LP

	Upstream	Downstream
Scenario: Existing	Invert: 3.96 ft	Invert: 4.01 ft
From Node: 06_M_0220_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0210_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 4	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0220_NS_W1

Scenario: Existing	Bottom Clip
From Node: 06_M_0220_NS	Default: 0.00 ft
To Node: 06_M_0210_NE	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.41 ft
Control Elevation: 12.41 ft
Cross Section: 06_M_0220_NS_W1X

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: 06_M_0220_NS_W2

Scenario: Existing
From Node: 06_M_0220_NS
To Node: 06_M_0125_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.43 ft
Control Elevation: 11.43 ft
Cross Section: 06_M_0220_NS_W2X

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: 06_M_0220_NS_W3

Scenario: Existing
From Node: 06_M_0220_NS
To Node: NML0220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.97 ft
Control Elevation: 9.97 ft
Cross Section: 06_M_0220_NS_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Channel Link: 06_M_0230_LC		Upstream	Downstream
Scenario:	Existing	Invert: 5.36 ft	Invert: 3.96 ft
From Node:	06_M_0230_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0220_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0230_XC_1	Cross Section: 06_M_0230_XC_2
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	240.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Pipe Link: 06_M_0240_LP		Upstream	Downstream
Scenario:	Existing	Invert: 5.72 ft	Invert: 5.84 ft
From Node:	06_M_0240_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0230_NE	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	28.00 ft	Op Table:	Op Table:
FHWA Code:	4	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0240_NS_W1		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	06_M_0240_NS	Op Table:
To Node:	06_M_0230_NE	Ref Node:
Link Count:	1	
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:	11.71 ft	Discharge Coefficients

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Control Elevation: 11.71 ft

Cross Section: 06_M_0240_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0240_NS_W2

Scenario: Existing

From Node: 06_M_0240_NS

To Node: 06_M_0210_NE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.20 ft

Control Elevation: 13.20 ft

Cross Section: 06_M_0240_NS_W2X

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:

Channel Link: 06_M_0250_LC

Upstream

Downstream

Scenario: Existing

Invert: 4.63 ft

Invert: 5.64 ft

From Node: 06_M_0250_NE

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0240_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0250_XC

Cross Section: 06_M_0250_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 180.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Pipe Link: 06_M_0260_LP

Upstream

Downstream

Scenario: Existing

Invert: 4.92 ft

Invert: 5.02 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

From Node:	06_M_0260_NS	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0250_NE	Geometry:	Circular	Geometry:	Circular
Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: 06_M_0260_NS_W1

Scenario:	Existing	Bottom Clip			
From Node:	06_M_0260_NS	Default:	0.00 ft		
To Node:	06_M_0250_NE	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:	11.71 ft	Discharge Coefficients			
Control Elevation:	11.71 ft	Weir Default:	2.800		
Cross Section:	06_M_0260_NS_W1X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Weir Link: 06_M_0260_NS_W2

Scenario:	Existing	Bottom Clip			
From Node:	06_M_0260_NS	Default:	0.00 ft		
To Node:	NML0220	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:	11.72 ft	Discharge Coefficients			
Control Elevation:	11.72 ft	Weir Default:	2.800		
Cross Section:	06_M_0260_NS_W2X	Weir Table:			
		Orifice Default:	0.600		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Table:

Comment:

Weir Link: 06_M_0260_NS_W3

Scenario: Existing
From Node: 06_M_0260_NS
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.56 ft
Control Elevation: 13.56 ft
Cross Section: 06_M_0260_NS_W3X

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:

Channel Link: 06_M_0270_LC

Scenario: Existing
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 370.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 5.38 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_1

Downstream

Invert: 4.92 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_2

Comment:

Weir Link: 06_M_0270_NC_W1

Scenario: Existing
From Node: 06_M_0270_NC
To Node: NML0220
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.34 ft
Control Elevation: 12.34 ft
Cross Section: 06_M_0270_NC_W1X

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: 06_M_0270_NC_W2

Scenario: Existing
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.42 ft
Control Elevation: 11.42 ft
Cross Section: 06_M_0270_NC_W2X

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: 06_M_0270_NC_W3

Scenario: Existing
From Node: 06_M_0270_NC
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.27 ft
Control Elevation: 14.27 ft
Cross Section: 06_M_0270_NC_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0270_NC_W4		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0270_NC	Default: 0.00 ft
To Node:	06_M_0205_NE	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:	14.52 ft	Discharge Coefficients
Control Elevation:	14.52 ft	Weir Default: 2.800
Cross Section:	06_M_0270_NC_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0280_LC		
	Upstream	Downstream
Scenario:	Existing	Invert: 5.84 ft
From Node:	06_M_0280_NE	Manning's N: 0.0000
To Node:	06_M_0270_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0280_XC_1
Length:	413.00 ft	Cross Section: 06_M_0280_XC_2
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Pipe Link: 06_M_0290_LP		
	Upstream	Downstream
Scenario:	Existing	Invert: 5.47 ft
From Node:	06_M_0290_NS	Invert: 5.84 ft
To Node:	06_M_0280_NE	Manning's N: 0.0240
Link Count:	2	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	26.00 ft	Max Depth: 3.00 ft
FHWA Code:	6	Max Depth: 3.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
		Op Table:
		Ref Node:
		Manning's N: 0.0000
		Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

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

Comment:

Weir Link: 06_M_0290_NS_W1

Scenario:	Existing	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0280_NE	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:	13.41 ft	Discharge Coefficients	
Control Elevation:	13.41 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W2

Scenario:	Existing	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	NML0220	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:	12.21 ft	Discharge Coefficients	
Control Elevation:	12.21 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W3

Scenario:	Existing	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 15.07 ft
 Control Elevation: 15.07 ft
 Cross Section: 06_M_0290_NS_W3X

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:

Channel Link: 06_M_0300_LC		Upstream	Downstream
Scenario:	Existing	Invert: 5.74 ft	Invert: 5.47 ft
From Node:	06_M_0300_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0290_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0300_XC	Cross Section: 06_M_0300_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	500.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0300_NC_W1		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	06_M_0300_NC	Op Table:
To Node:	NML0220	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	13.12 ft	Weir Default: 2.800
Control Elevation:	13.12 ft	Weir Table:
Cross Section:	06_M_0300_NC_W1X	Orifice Default: 0.600
		Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Weir Link: 06_M_0300_NC_W2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0300_NC	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	12.90 ft	Discharge Coefficients
Control Elevation:	12.90 ft	Weir Default: 2.800
Cross Section:	06_M_0300_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0310_LC		
Scenario:	Existing	Invert: 5.86 ft
From Node:	06_M_0310_NC	Manning's N: 0.0000
To Node:	06_M_0300_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0310_XC
Length:	418.00 ft	Cross Section: 06_M_0310_XC
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Weir Link: 06_M_0310_NC_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0310_NC	Default: 0.00 ft
To Node:	NML0220	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.83 ft
 Control Elevation: 13.83 ft
 Cross Section: 06_M_0310_NC_W1X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: 06_M_0310_NC_W2

Scenario: Existing
 From Node: 06_M_0310_NC
 To Node: 06_M_0300_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.13 ft
 Control Elevation: 13.13 ft
 Cross Section: 06_M_0310_NC_W2X

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:

Pipe Link: 06_M_0315_LP

Scenario: Existing
 From Node: 06_M_0315_NS
 To Node: 06_M_0310_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 55.00 ft
 FHWA Code: 31
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Upstream	Downstream
Invert: 9.55 ft	Invert: 7.76 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Max Depth: 2.00 ft	Max Depth: 2.00 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0315_NS_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0315_NS	Default: 0.00 ft
To Node:	06_M_0205_NE	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:	13.09 ft	Discharge Coefficients
Control Elevation:	13.09 ft	Weir Default: 2.800
Cross Section:	06_M_0315_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0315_NS_W2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0315_NS	Default: 0.00 ft
To Node:	06_M_0310_NC	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:	15.81 ft	Discharge Coefficients
Control Elevation:	15.81 ft	Weir Default: 2.800
Cross Section:	06_M_0315_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0315_NS_W3		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0315_NS	Default: 0.00 ft
To Node:	06_M_0300_NC	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:	15.38 ft	Discharge Coefficients
Control Elevation:	15.38 ft	Weir Default: 2.800
Cross Section:	06_M_0315_NS_W3X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0315_NS_W4

Scenario:	Existing	Bottom Clip
From Node:	06_M_0315_NS	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	15.24 ft	Discharge Coefficients
Control Elevation:	15.24 ft	Weir Default: 2.800
Cross Section:	06_M_0315_NS_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0320_LC

	Upstream	Downstream
Scenario:	Existing	Invert: 5.86 ft
From Node:	06_M_0320_NE	Manning's N: 0.0000
To Node:	06_M_0310_NC	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0320_XC
Flow Direction:	Both	Cross Section: 06_M_0320_XC
Damping:	0.0000 ft	
Length:	166.00 ft	
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Pipe Link: 06_M_0400_LP

	Upstream	Downstream
Scenario:	Existing	Invert: 6.00 ft
From Node:	06_M_0400_NS	Manning's N: 0.0240
To Node:	06_M_0320_NE	Geometry: Circular
	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: 06_M_0400_NS_W1

Scenario:	Existing	Bottom Clip			
From Node:	06_M_0400_NS	Default:	0.00 ft		
To Node:	06_M_0320_NE	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:	13.75 ft	Discharge Coefficients			
Control Elevation:	13.75 ft	Weir Default:	2.800		
Cross Section:	06_M_0400_NS_W1X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Weir Link: 06_M_0400_NS_W2

Scenario:	Existing	Bottom Clip			
From Node:	06_M_0400_NS	Default:	0.00 ft		
To Node:	06_M_0315_NS	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:	15.76 ft	Discharge Coefficients			
Control Elevation:	15.76 ft	Weir Default:	2.800		
Cross Section:	06_M_0400_NS_W2X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Channel Link: 06_M_0410_LC			Upstream	Downstream
Scenario:	Existing	Invert:	6.76 ft	Invert: 6.26 ft
From Node:	06_M_0410_NC	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0400_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0410_XC	Cross Section: 06_M_0410_XC
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	400.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			

Comment:

Weir Link: 06_M_0410_NC_W1			Bottom Clip
Scenario:	Existing	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0220	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.98 ft	Weir Default:	2.800
Control Elevation:	13.98 ft	Weir Table:	
Cross Section:	06_M_0410_NC_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0410_NC_W2			Bottom Clip
Scenario:	Existing	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0520	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.33 ft	Weir Default:	2.800
Control Elevation:	13.33 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Cross Section: 06_M_0410_NC_W2X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0410_NC_W3

Scenario: Existing
From Node: 06_M_0410_NC
To Node: 06_M_0310_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.91 ft
Control Elevation: 13.91 ft
Cross Section: 06_M_0410_NC_W3X

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: 06_M_0410_NC_W4

Scenario: Existing
From Node: 06_M_0410_NC
To Node: 06_M_0400_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.42 ft
Control Elevation: 13.42 ft
Cross Section: 06_M_0410_NC_W4X

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:

Channel Link: 06_M_0420_LC

	Upstream	Downstream
Scenario: Existing	Invert: 7.26 ft	Invert: 6.76 ft
From Node: 06_M_0420_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0410_NC	Geometry: Irregular	Geometry: Irregular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	Cross Section:	06_M_0420_XC	Cross Section:	06_M_0420_XC
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	427.00 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Comment:

Weir Link: 06_M_0420_NC_W1

Scenario:	Existing	Bottom Clip	
From Node:	06_M_0420_NC	Default:	0.00 ft
To Node:	06_M_0410_NC	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:	13.90 ft	Discharge Coefficients	
Control Elevation:	13.90 ft	Weir Default:	2.800
Cross Section:	06_M_0420_NC_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: 06_M_0425_LP

	Upstream	Downstream			
Scenario:	Existing	Invert:	11.00 ft	Invert:	9.06 ft
From Node:	06_M_0425_NS	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0420_NC	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Weir Link: 06_M_0425_NS_W1	
Scenario: Existing	Bottom Clip
From Node: 06_M_0425_NS	Default: 0.00 ft
To Node: 06_M_0315_NS	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: 12.04 ft	Discharge Coefficients
Control Elevation: 12.04 ft	Weir Default: 2.800
Cross Section: 06_M_0425_NS_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W2	
Scenario: Existing	Bottom Clip
From Node: 06_M_0425_NS	Default: 0.00 ft
To Node: 06_M_0420_NC	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: 15.12 ft	Discharge Coefficients
Control Elevation: 15.12 ft	Weir Default: 2.800
Cross Section: 06_M_0425_NS_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W3	
Scenario: Existing	Bottom Clip
From Node: 06_M_0425_NS	Default: 0.00 ft
To Node: 06_M_0410_NC	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Geometry Type: Irregular
 Invert: 15.56 ft
 Control Elevation: 15.56 ft
 Cross Section: 06_M_0425_NS_W3X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: 06_M_0430_LC		Upstream	Downstream
Scenario:	Existing	Invert: 6.84 ft	Invert: 7.26 ft
From Node:	06_M_0430_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0420_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0430_XC	Cross Section: 06_M_0430_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	465.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0430_NE_W1		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	06_M_0430_NE	Op Table:
To Node:	NML0050	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	11.83 ft	Weir Default: 2.800
Control Elevation:	11.83 ft	Weir Table:
Cross Section:	06_M_0430_NE_W1X	Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Pipe Link: 06_M_0500_LP1		Upstream	Downstream
Scenario:	Existing	Invert: 7.27 ft	Invert: 6.84 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: 06_M_0500_LP2		Upstream	Downstream
Scenario:	Existing	Invert: 7.18 ft	Invert: 6.91 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: 06_M_0500_NS_W1			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0500_NS	Default:	0.00 ft
To Node:	06_M_0430_NE	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:	12.60 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Control Elevation: 12.60 ft

Cross Section: 06_M_0500_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0500_NS_W2

Scenario: Existing

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 11.60 ft

Control Elevation: 11.60 ft

Cross Section: 06_M_0500_NS_W2X

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: 06_M_0500_NS_W3

Scenario: Existing

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 11.68 ft

Control Elevation: 11.68 ft

Cross Section: 06_M_0500_NS_W3X

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:

Channel Link: 06_M_0510_LC

Upstream

Downstream

Scenario: Existing

Invert: 8.13 ft

Invert: 7.18 ft

From Node: 06_M_0510_NC

Manning's N: 0.0000

Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

To Node:	06_M_0500_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0510_XC	Cross Section: 06_M_0510_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	565.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0510_NC_W1

Scenario:	Existing	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	NML0110	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:	13.79 ft	Discharge Coefficients
Control Elevation:	13.79 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0510_NC_W2

Scenario:	Existing	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	06_M_0500_NS	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:	12.60 ft	Discharge Coefficients
Control Elevation:	12.60 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Channel Link: 06_M_0520_LC		
	Upstream	Downstream
Scenario: Existing	Invert: 8.57 ft	Invert: 8.13 ft
From Node: 06_M_0520_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0510_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0520_XC	Cross Section: 06_M_0520_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 395.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0520_NC_W1		
Scenario: Existing	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: NML0110	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: 14.42 ft	Discharge Coefficients	
Control Elevation: 14.42 ft	Weir Default: 2.800	
Cross Section: 06_M_0520_NC_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0520_NC_W2		
Scenario: Existing	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: 06_M_0510_NC	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 14.06 ft
 Control Elevation: 14.06 ft
 Cross Section: 06_M_0520_NC_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: 06_M_0525_LP		Upstream	Downstream
Scenario:	Existing	Invert: 10.53 ft	Invert: 9.50 ft
From Node:	06_M_0525_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	06_M_0520_NC	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	51.00 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:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0525_NS_W1			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0425_NS	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:	13.49 ft	Discharge Coefficients	
Control Elevation:	13.49 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0525_NS_W2			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	14.00 ft	Discharge Coefficients	
Control Elevation:	14.00 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W3			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0520_NC	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:	14.99 ft	Discharge Coefficients	
Control Elevation:	14.99 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W3X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W4			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0500_NS	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:	15.34 ft	Discharge Coefficients	
Control Elevation:	15.34 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W4X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0525_NS_W5

Scenario: Existing
From Node: 06_M_0525_NS
To Node: 06_M_0510_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.19 ft
Control Elevation: 15.19 ft
Cross Section: 06_M_0525_NS_W5X

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: 06_M_0525_NS_W6

Scenario: Existing
From Node: 06_M_0525_NS
To Node: 06_M_0420_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.58 ft
Control Elevation: 15.58 ft
Cross Section: 06_M_0525_NS_W6X

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: 06_M_0525_NS_W7

Scenario: Existing
From Node: 06_M_0525_NS
To Node: 06_M_0315_NS
Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.24 ft
Control Elevation: 15.24 ft
Cross Section: 06_M_0525_NS_W7X

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:

Channel Link: 06_M_0530_LC		
Upstream		Downstream
Scenario: Existing	Invert: 9.04 ft	Invert: 8.57 ft
From Node: 06_M_0530_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0520_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0530_XC	Cross Section: 06_M_0530_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 418.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0530_NE_W1	
Scenario: Existing	Bottom Clip
From Node: 06_M_0530_NE	Default: 0.00 ft
To Node: NML0500	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: 13.90 ft	Discharge Coefficients
Control Elevation: 13.90 ft	Weir Default: 2.800
Cross Section: 06_M_0530_NE_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0530_NE_W2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0530_NE	Default: 0.00 ft
To Node:	06_M_0520_NC	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:	11.74 ft	Discharge Coefficients
Control Elevation:	11.74 ft	Weir Default: 2.800
Cross Section:	06_M_0530_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0600_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0600_NS	Default: 0.00 ft
To Node:	06_M_0530_NE	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	15.06 ft	Discharge Coefficients
Control Elevation:	15.06 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	55.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0600_LP		
Scenario:	Existing	Invert: 8.94 ft
From Node:	06_M_0600_NS	Manning's N: 0.0240
To Node:	06_M_0530_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Arch
Flow Direction:	Both	Max Depth: 3.67 ft
Damping:	0.0000 ft	Bottom Clip
Length:	40.00 ft	Default: 0.00 ft
FHWA Code:	45	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: 06_M_0610_LC

Upstream

Downstream

Scenario: Existing

Invert: 9.66 ft

Invert: 8.94 ft

From Node: 06_M_0610_NC

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0600_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0610_XC

Cross Section: 06_M_0610_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 405.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Weir Link: 06_M_0620_LW

Scenario: Existing

Bottom Clip

From Node: 06_M_0620_ND

Default: 0.00 ft

To Node: 06_M_0610_NC

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: 9.99 ft

Discharge Coefficients

Control Elevation: 9.99 ft

Weir Default: 2.800

Cross Section: 06_M_0620_XW

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0620_LW2

Scenario: Existing

Bottom Clip

From Node: 06_M_0620_ND

Default: 0.00 ft

To Node: 06_M_3000_NC

Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.70 ft	Ref Node:
Control Elevation:	14.70 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	95.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0630_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0630_NS	Default: 0.00 ft
To Node:	06_M_0620_ND	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:	Rectangular	Ref Node:
Invert:	14.76 ft	Discharge Coefficients
Control Elevation:	14.76 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	45.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0630_LP_1		
	Upstream	Downstream
Scenario:	Existing	Invert: 9.37 ft
From Node:	06_M_0630_NS	Invert: 9.29 ft
To Node:	06_M_0620_ND	Manning's N: 0.0240
Link Count:	1	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	20.50 ft	Max Depth: 5.00 ft
FHWA Code:	6	Max Depth: 5.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 ft	Ref Node:
Energy Switch:	Energy	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

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Pipe Link: 06_M_0630_LP_2		
	Upstream	Downstream
Scenario: Existing	Invert: 9.87 ft	Invert: 9.78 ft
From Node: 06_M_0630_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0620_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.40 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0630_NS_W1		
Scenario: Existing	Bottom Clip	
From Node: 06_M_0630_NS	Default: 0.00 ft	
To Node: 06_M_0600_NS	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: Rectangular	Ref Node:	
Invert: 15.20 ft	Discharge Coefficients	
Control Elevation: 15.20 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 90.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Channel Link: 06_M_0640_LC		
	Upstream	Downstream
Scenario: Existing	Invert: 9.79 ft	Invert: 9.37 ft
From Node: 06_M_0640_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0630_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0640_XC_1	Cross Section: 06_M_0640_XC_2
Flow Direction: Both		
Damping: 0.0000 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Length: 235.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Comment:

Weir Link: 06_M_0650_LO

Scenario: Existing	Bottom Clip
From Node: 06_M_0650_NS	Default: 0.00 ft
To Node: 06_M_0640_NE	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: Rectangular	Ref Node:
Invert: 12.96 ft	Discharge Coefficients
Control Elevation: 12.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 35.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0650_LP

	Upstream	Downstream
Scenario: Existing	Invert: 10.06 ft	Invert: 9.84 ft
From Node: 06_M_0650_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0640_NE	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 14.00 ft	Op Table:	Op Table:
FHWA Code: 32	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_0650_NS_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0650_NS	Default: 0.00 ft
To Node:	06_M_0600_NS	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:	Rectangular	Ref Node:
Invert:	15.40 ft	Discharge Coefficients
Control Elevation:	15.40 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	120.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Channel Link: 06_M_0660_LC		
	Upstream	Downstream
Scenario:	Existing	Invert: 9.27 ft
From Node:	06_M_0660_NE	Invert: 10.06 ft
To Node:	06_M_0650_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	420.00 ft	Cross Section: 06_M_0660_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0660_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0670_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_0670_NS	Default: 0.00 ft
To Node:	06_M_0660_NE	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:	Rectangular	Ref Node:
Invert:	13.46 ft	Discharge Coefficients
Control Elevation:	13.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Max Depth: 9999.00 ft

Max Width: 45.00 ft

Fillet: 0.00 ft

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0670_LP		
	Upstream	Downstream
Scenario: Existing	Invert: 9.03 ft	Invert: 9.27 ft
From Node: 06_M_0670_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0660_NE	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0670_NS_W1		
Scenario: Existing	Bottom Clip	
From Node: 06_M_0670_NS	Default: 0.00 ft	
To Node: 06_M_0600_NS	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: Rectangular	Ref Node:	
Invert: 14.60 ft	Discharge Coefficients	
Control Elevation: 14.60 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 70.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Channel Link: 06_M_0680_LC		
	Upstream	Downstream
Scenario: Existing	Invert: 10.52 ft	Invert: 8.97 ft
From Node: 06_M_0680_NC	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

To Node:	06_M_0670_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0680_XC	Cross Section: 06_M_0680_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Channel Link: 06_M_0690_LC		Upstream	Downstream
Scenario:	Existing	Invert: 12.07 ft	Invert: 10.52 ft
From Node:	06_M_0690_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0680_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0690_XC	Cross Section: 06_M_0690_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Channel Link: 06_M_0700_LC		Upstream	Downstream
Scenario:	Existing	Invert: 15.27 ft	Invert: 12.07 ft
From Node:	06_M_0700_NE	Manning's N: 0.0400	Manning's N: 0.0400
To Node:	06_M_0690_NE	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft
Flow Direction:	Both	Extrapolation: Vertical	Extrapolation: Vertical
Damping:	0.0000 ft	Bottom Width: 2.00 ft	Bottom Width: 2.00 ft
Length:	275.00 ft	Left Slope: 6.000 (h:v)	Left Slope: 6.000 (h:v)
Contraction Coef:	0.10	Right Slope: 6.000 (h:v)	Right Slope: 6.000 (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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Location:	0.00 ft	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:

Weir Link: 06_M_0710_LO

Scenario:	Existing	Bottom Clip			
From Node:	06_M_0710_NS	Default:	0.00 ft		
To Node:	06_M_0700_NE	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Paved Road Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	16.96 ft	Discharge Coefficients			
Control Elevation:	16.96 ft	Weir Default:	2.800		
Max Depth:	9999.00 ft	Weir Table:			
Max Width:	50.00 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment:

Pipe Link: 06_M_0710_LP

		Upstream		Downstream	
Scenario:	Existing	Invert:	14.99 ft	Invert:	15.27 ft
From Node:	06_M_0710_NS	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0700_NE	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.50 ft	Op Table:		Op Table:	
FHWA Code:	5	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: 06_M_0710_NS_W1

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Scenario:	Existing	
From Node:	06_M_0710_NS	Bottom Clip
To Node:	06_M_1100_ND	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.30 ft	Ref Node:
Control Elevation:	14.30 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	300.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_1000_LO

Scenario:	Existing	
From Node:	06_M_1000_NS	Bottom Clip
To Node:	06_M_0600_NS	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Paved Road Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.06 ft	Ref Node:
Control Elevation:	14.06 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	65.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: 06_M_1000_LP

	Upstream	Downstream
Scenario:	Existing	
From Node:	06_M_1000_NS	06_M_0600_NS
To Node:	06_M_0600_NS	06_M_0600_NS
Link Count:	1	
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	75.50 ft	
FHWA Code:	4	
Entr Loss Coef:	0.50	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
	Invert: 10.37 ft	Invert: 9.77 ft
	Manning's N: 0.0240	Manning's N: 0.0240
	Geometry: Circular	Geometry: Circular
	Max Depth: 2.00 ft	Max Depth: 2.00 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

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_1000_NS_W2

Scenario: Existing
From Node: 06_M_1000_NS
To Node: 06_M_0525_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.80 ft
Control Elevation: 14.80 ft
Cross Section: 06_M_1000_NS_W2X

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: 06_M_1100_LO

Scenario: Existing
From Node: 06_M_1100_ND
To Node: 06_M_1000_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 12.96 ft
Control Elevation: 12.96 ft
Max Depth: 9999.00 ft
Max Width: 430.00 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: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_2000_LP

Scenario: Existing
From Node: 06_M_2000_NS
To Node: 06_M_0690_NE
Link Count: 2

Upstream

Invert: 12.41 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 3.00 ft

Downstream

Invert: 12.18 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	72.50 ft	Bottom Clip			
FHWA Code:	15	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	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:

Weir Link: 06_M_2100_LO

Scenario:	Existing	Bottom Clip			
From Node:	06_M_2100_ND	Default:			
To Node:	06_M_2000_NS	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000	Default:			
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	12.46 ft	Discharge Coefficients			
Control Elevation:	12.46 ft	Weir Default:			
Cross Section:	06_M_2100_XW	Weir Table:			
		Orifice Default:			
		Orifice Table:			

Comment:

Pipe Link: 06_M_2200_LP

		Upstream		Downstream	
Scenario:	Existing	Invert:	14.06 ft	Invert:	13.06 ft
From Node:	06_M_2200_NP	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_2100_ND	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_2200_LW

Scenario:	Existing	Bottom Clip
From Node:	06_M_2200_NP	Default: 0.00 ft
To Node:	06_M_2100_ND	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:	15.61 ft	Discharge Coefficients
Control Elevation:	15.61 ft	Weir Default: 2.800
Cross Section:	06_M_2200_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_2300_LO

Scenario:	Existing	Bottom Clip
From Node:	06_M_2300_ND	Default: 0.00 ft
To Node:	06_M_2100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	16.96 ft	Discharge Coefficients
Control Elevation:	16.96 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	100.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_2300_LP

	Upstream	Downstream
Scenario:	Existing	Invert: 14.98 ft
From Node:	06_M_2300_ND	Manning's N: 0.0240
To Node:	06_M_2100_ND	Manning's N: 0.0240
Link Count:	3	Geometry: Circular
Flow Direction:	Both	Max Depth: 2.00 ft
Damping:	0.0000 ft	Max Depth: 2.00 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	5	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: 06_M_2400_LP		Upstream	Downstream
Scenario:	Existing	Invert: 13.96 ft	Invert: 13.96 ft
From Node:	06_M_2400_NP	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_2100_ND	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	75.00 ft	Op Table:	Op Table:
FHWA Code:	5	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_2400_LW			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_2400_NP	Default:	0.00 ft
To Node:	06_M_2300_ND	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:	18.46 ft	Discharge Coefficients	
Control Elevation:	18.46 ft	Weir Default:	2.800
Cross Section:	06_M_2400_XW	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_2500_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_2500_ND	Default: 0.00 ft
To Node:	06_M_2100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	15.96 ft	Discharge Coefficients
Control Elevation:	15.96 ft	Weir Default: 2.800
Cross Section:	06_M_2500_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: 06_M_2600_LP		
	Upstream	Downstream
Scenario:	Existing	Invert: 15.96 ft
From Node:	06_M_2600_NP	Manning's N: 0.0120
To Node:	06_M_2500_ND	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 0.83 ft
Damping:	0.0000 ft	Bottom Clip
Length:	95.00 ft	Default: 0.00 ft
FHWA Code:	48	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2600_LW		
Scenario:	Existing	Bottom Clip
From Node:	06_M_2600_NP	Default: 0.00 ft
To Node:	06_M_2500_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Cross Section: 06_M_2600_XW

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_2700_LO

Scenario:	Existing	Bottom Clip
From Node:	06_M_2700_ND	Default: 0.00 ft
To Node:	06_M_2100_ND	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:	Rectangular	Ref Node:
Invert:	16.96 ft	Discharge Coefficients
Control Elevation:	16.96 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	1000.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_2800_LP

	Upstream	Downstream
Scenario:	Existing	Invert: 16.96 ft
From Node:	06_M_2800_NP	Manning's N: 0.0120
To Node:	06_M_2700_ND	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 0.83 ft
Damping:	0.0000 ft	Bottom Clip
Length:	210.00 ft	Default: 0.00 ft
FHWA Code:	48	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Manning's N: 0.0000	Ref Node:
		Manning's N: 0.0000

Comment:

Weir Link: 06_M_2800_LW

Scenario:	Existing	Bottom Clip
From Node:	06_M_2800_NP	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

To Node: 06_M_2700_ND
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 18.86 ft
 Control Elevation: 18.86 ft
 Cross Section: 06_M_2800_XW

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:

Channel Link: 06_M_3000_LC		Upstream	Downstream
Scenario: Existing	Invert: 11.72 ft	Invert: 8.94 ft	
From Node: 06_M_3000_NC	Manning's N: 0.0350	Manning's N: 0.0350	
To Node: 06_M_0600_NS	Geometry: Trapezoidal	Geometry: Trapezoidal	
Link Count: 1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft	
Flow Direction: Both	Extrapolation: Vertical	Extrapolation: Vertical	
Damping: 0.0000 ft	Bottom Width: 3.00 ft	Bottom Width: 3.00 ft	
Length: 1200.00 ft	Left Slope: 2.000 (h:v)	Left Slope: 2.000 (h:v)	
Contraction Coef: 0.10	Right Slope: 2.000 (h:v)	Right Slope: 2.000 (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 ft	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:

Weir Link: 06_M_3000_NC_W1		Bottom Clip
Scenario: Existing	Default: 0.00 ft	
From Node: 06_M_3000_NC	Op Table:	
To Node: 06_M_0600_NS	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Invert: 13.50 ft
Control Elevation: 13.50 ft
Max Depth: 9999.00 ft
Max Width: 120.00 ft
Fillet: 0.00 ft

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_3100_LO_1

Scenario: Existing
From Node: 06_M_3100_ND
To Node: 06_M_3000_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.96 ft
Control Elevation: 14.96 ft
Cross Section: 06_M_3100_XW

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: 06_M_3100_LO_2

Scenario: Existing
From Node: 06_M_3100_ND
To Node: 06_M_0690_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 15.96 ft
Control Elevation: 15.96 ft
Max Depth: 9999.00 ft
Extrapolation Method: Normal Projection
Bottom Width: 5.00 ft
Left Slope: 2.000 (h:v)
Right Slope: 2.000 (h:v)

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_3100_ND_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3100_ND	Default: 0.00 ft
To Node:	06_M_0650_NS	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:	Rectangular	Ref Node:
Invert:	15.80 ft	Discharge Coefficients
Control Elevation:	15.80 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	350.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Weir Link: 06_M_3200_LO_1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3200_ND	Default: 0.00 ft
To Node:	06_M_3100_ND	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:	15.96 ft	Discharge Coefficients
Control Elevation:	15.96 ft	Weir Default: 2.800
Cross Section:	06_M_3200_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_3200_LO_2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3200_ND	Default: 0.00 ft
To Node:	06_M_3250_NS	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:	Rectangular	Ref Node:
Invert:	17.96 ft	Discharge Coefficients
Control Elevation:	17.96 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Max Width: 160.00 ft

Fillet: 0.00 ft

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_3250_LP		
	Upstream	Downstream
Scenario: Existing	Invert: 15.96 ft	Invert: 15.96 ft
From Node: 06_M_3250_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0120	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_3250_NS_W1		
Scenario: Existing	Bottom Clip	
From Node: 06_M_3250_NS	Default: 0.00 ft	
To Node: 06_M_3100_ND	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: Rectangular	Ref Node:	
Invert: 19.00 ft	Discharge Coefficients	
Control Elevation: 19.00 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_3300_LO		
Scenario: Existing	Bottom Clip	
From Node: 06_M_3300_ND	Default: 0.00 ft	
To Node: 06_M_3200_ND	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	17.46 ft	Ref Node:
Control Elevation:	17.46 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	550.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_3400_LO_1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3400_ND	Default: 0.00 ft
To Node:	06_M_3300_ND	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:	18.96 ft	Discharge Coefficients
Control Elevation:	18.96 ft	Weir Default: 2.800
Cross Section:	06_M_3400_XW_1	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_3400_LO_2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3400_ND	Default: 0.00 ft
To Node:	06_M_4100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	19.96 ft	Discharge Coefficients
Control Elevation:	19.96 ft	Weir Default: 2.800
Cross Section:	06_M_3400_XW_2	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_3500_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3500_ND	Default: 0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:
Invert:	21.96 ft	Discharge Coefficients
Control Elevation:	21.96 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	120.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Weir Link: 06_M_3600_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_3600_ND	Default: 0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:
Invert:	22.96 ft	Discharge Coefficients
Control Elevation:	22.96 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	366.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Weir Link: 06_M_4100_ND_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_4100_ND	Default: 0.00 ft
To Node:	NML0150	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:	20.42 ft	Discharge Coefficients
Control Elevation:	20.42 ft	Weir Default: 2.800
Cross Section:	06_M_4100_ND_W1X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_4100_ND_W2

Scenario: Existing
From Node: 06_M_4100_ND
To Node: NML0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 25.28 ft
Control Elevation: 25.28 ft
Cross Section: 06_M_4100_ND_W2X

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: 06_M_4100_ND_W3

Scenario: Existing
From Node: 06_M_4100_ND
To Node: NML0420
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 31.08 ft
Control Elevation: 31.08 ft
Cross Section: 06_M_4100_ND_W3X

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: 06_M_4100_ND_W4

Scenario: Existing
From Node: 06_M_4100_ND
To Node: NML0530
Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction:	Both	
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	23.07 ft	Ref Node:
Control Elevation:	23.07 ft	Discharge Coefficients
Cross Section:	06_M_4100_ND_W4X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_4200_LO		
Scenario:	Existing	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	06_M_3300_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	17.96 ft	Discharge Coefficients
Control Elevation:	17.96 ft	Weir Default: 2.800
Cross Section:	06_M_4200_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: 06_M_4200_LP		
	Upstream	Downstream
Scenario:	Existing	Invert: 15.96 ft
From Node:	06_M_4200_NS	Manning's N: 0.0120
To Node:	06_M_3300_ND	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 2.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	50.00 ft	Default: 0.00 ft
FHWA Code:	1	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Manning's N: 0.0000	Ref Node:
		Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: 06_M_4200_NS_W1		
Scenario:	Existing	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	06_M_4100_ND	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:	20.30 ft	Discharge Coefficients
Control Elevation:	20.30 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_4200_NS_W2		
Scenario:	Existing	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	NML0530	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:	21.50 ft	Discharge Coefficients
Control Elevation:	21.50 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_4200_NS_W3		
Scenario:	Existing	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	NML0120	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:	21.65 ft	Discharge Coefficients
Control Elevation:	21.65 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W3X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_5000_LP		
	Upstream	Downstream
Scenario: Existing	Invert: 20.36 ft	Invert: 20.16 ft
From Node: 06_M_5000_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3500_ND	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 50.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5100_LO		
Scenario: Existing	Bottom Clip	
From Node: 06_M_5100_ND	Default: 0.00 ft	
To Node: 06_M_5000_NS	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: Rectangular	Ref Node:	
Invert: 23.96 ft	Discharge Coefficients	
Control Elevation: 23.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 190.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Pipe Link: 06_M_5200_LP		
	Upstream	Downstream
Scenario: Existing	Invert: 20.06 ft	Invert: 19.96 ft
From Node: 06_M_5200_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_5200_NS_W1			
Scenario:	Existing	Bottom Clip	
From Node:	06_M_5200_NS	Default:	0.00 ft
To Node:	06_M_5500_ND	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:	Rectangular	Ref Node:	
Invert:	22.10 ft	Discharge Coefficients	
Control Elevation:	22.10 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	260.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: 06_M_5300_LP					
		Upstream		Downstream	
Scenario:	Existing	Invert:	31.56 ft	Invert:	25.06 ft
From Node:	06_M_5300_NS	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	06_M_3600_ND	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Comment:

Pipe Link: 06_M_5400_LP		
	Upstream	Downstream
Scenario: Existing	Invert: 20.46 ft	Invert: 19.96 ft
From Node: 06_M_5400_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5500_LO		
Scenario: Existing	Bottom Clip	
From Node: 06_M_5500_ND	Default: 0.00 ft	
To Node: 06_M_5400_NS	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: Rectangular	Ref Node:	
Invert: 20.96 ft	Discharge Coefficients	
Control Elevation: 20.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_5600_LO		
Scenario: Existing	Bottom Clip	
From Node: 06_M_5600_ND	Default: 0.00 ft	
To Node: 06_M_5500_ND	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Type: Paved Road Vertical
 Geometry Type: Rectangular
 Invert: 26.96 ft
 Control Elevation: 26.96 ft
 Max Depth: 9999.00 ft
 Max Width: 366.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: NML0000_LP1	Upstream	Downstream
Scenario: Existing	Invert: -0.30 ft	Invert: -0.30 ft
From Node: NML0000	Manning's N: 0.0120	Manning's N: 0.0120
To Node: MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 60.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0000_W1		
Scenario:	Existing	Bottom Clip
From Node:	NML0000	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	5.25 ft	Discharge Coefficients
Control Elevation:	5.25 ft	Weir Default: 2.800
Cross Section:	NML0000_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Pipe Link: NML0050_LP1		Upstream	Downstream
Scenario:	Existing	Invert: 9.16 ft	Invert: 8.88 ft
From Node:	NML0050	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0510	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	20.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0050_W2		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NML0050	Op Table:
To Node:	NML0510	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	11.49 ft	Weir Default: 2.800
Control Elevation:	11.49 ft	Weir Table:
Cross Section:	NML0050_W2X	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0050_W3		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NML0050	Op Table:
To Node:	06_M_0410_NC	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	13.89 ft	Weir Default: 2.800
Control Elevation:	13.89 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Cross Section: NML0050_W3X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0050_W4

Scenario: Existing
From Node: NML0050
To Node: NML0520
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.83 ft
Control Elevation: 13.83 ft
Cross Section: NML0050_W4X

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:

Pipe Link: NML0100_LP1

Scenario: Existing
From Node: NML0100
To Node: NML0000
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
FHWA Code: 3
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream	Downstream
Invert: 3.83 ft	Invert: 3.19 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Circular	Geometry: Circular
Max Depth: 2.00 ft	Max Depth: 2.00 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

Comment:

Pipe Link: NML0100_LP2

Scenario: Existing
From Node: NML0100

Upstream	Downstream
Invert: 3.37 ft	Invert: 3.37 ft
Manning's N: 0.0240	Manning's N: 0.0240

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

To Node:	NML0000	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	NML0100_LP3	Upstream		Downstream	
Scenario:	Existing	Invert:	5.30 ft	Invert:	4.81 ft
From Node:	NML0100	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	NML0000	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link:	NML0100_W1	Bottom Clip	
Scenario:	Existing	Default:	0.00 ft
From Node:	NML0100	Op Table:	
To Node:	NML0000	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	8.12 ft	Weir Default:	2.800
Control Elevation:	8.12 ft	Weir Table:	
Cross Section:	NML0100_W1X	Orifice Default:	0.600

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Table:

Comment:

Pipe Link: NML0110_LP1		Upstream	Downstream
Scenario:	Existing	Invert: 8.33 ft	Invert: 8.49 ft
From Node:	NML0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0530	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	22.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0110_W1			
Scenario:	Existing	Bottom Clip	
From Node:	NML0110	Default:	0.00 ft
To Node:	NML0530	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:	12.13 ft	Discharge Coefficients	
Control Elevation:	12.13 ft	Weir Default:	2.800
Cross Section:	NML0110_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: NML0110_W2			
Scenario:	Existing	Bottom Clip	
From Node:	NML0110	Default:	0.00 ft
To Node:	NML0500	Op Table:	
Link Count:	1	Ref Node:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.12 ft
Control Elevation: 14.12 ft
Cross Section: NML0110_W2X

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: NML0110_W3

Scenario: Existing
From Node: NML0110
To Node: NML0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.90 ft
Control Elevation: 11.90 ft
Cross Section: NML0110_W3X

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: NML0110_W4

Scenario: Existing
From Node: NML0110
To Node: NML0050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.34 ft
Control Elevation: 11.34 ft
Cross Section: NML0110_W4X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: NML0120_W1	
Scenario: Existing	Bottom Clip
From Node: NML0120	Default: 0.00 ft
To Node: NML0530	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: 15.69 ft	Discharge Coefficients
Control Elevation: 15.69 ft	Weir Default: 2.800
Cross Section: NML0120_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0120_W2	
Scenario: Existing	Bottom Clip
From Node: NML0120	Default: 0.00 ft
To Node: NML0500	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: 19.44 ft	Discharge Coefficients
Control Elevation: 19.44 ft	Weir Default: 2.800
Cross Section: NML0120_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0150_W1	
Scenario: Existing	Bottom Clip
From Node: NML0150	Default: 0.00 ft
To Node: NML0300	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: 20.87 ft	Discharge Coefficients
Control Elevation: 20.87 ft	Weir Default: 2.800
Cross Section: NML0150_W1X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0150_W2

Scenario:	Existing	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0100	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:	20.51 ft	Discharge Coefficients
Control Elevation:	20.51 ft	Weir Default: 2.800
Cross Section:	NML0150_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0150_W3

Scenario:	Existing	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0410	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:	26.31 ft	Discharge Coefficients
Control Elevation:	26.31 ft	Weir Default: 2.800
Cross Section:	NML0150_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0150_W4

Scenario:	Existing	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0530	Op Table:
Link Count:	1	Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Flow Direction:	Both	
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	23.14 ft	Ref Node:
Control Elevation:	23.14 ft	Discharge Coefficients
Cross Section:	NML0150_W4X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0200_LP1	Upstream	Downstream
Scenario: Existing	Invert: 3.10 ft	Invert: 1.40 ft
From Node: NML0200	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0200_W1	
Scenario: Existing	Bottom Clip
From Node: NML0200	Default: 0.00 ft
To Node: NML0000	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: 5.55 ft	Discharge Coefficients
Control Elevation: 5.55 ft	Weir Default: 2.800
Cross Section: NML0200_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: NML0200_W2		
Scenario:	Existing	Bottom Clip
From Node:	NML0200	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	7.45 ft	Discharge Coefficients
Control Elevation:	7.45 ft	Weir Default: 2.800
Cross Section:	NML0200_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0210_LP1		
	Upstream	Downstream
Scenario:	Existing	Invert: 5.40 ft
From Node:	NML0210	Invert: 2.80 ft
To Node:	NML0200	Manning's N: 0.0240
Link Count:	1	Manning's N: 0.0220
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	40.00 ft	Max Depth: 1.50 ft
FHWA Code:	6	Max Depth: 1.50 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 ft	Ref Node:
Energy Switch:	Energy	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
		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:		

Pipe Link: NML0210_LP2		
	Upstream	Downstream
Scenario:	Existing	Invert: 5.60 ft
From Node:	NML0210	Invert: 5.60 ft
To Node:	MULLET_LAKE	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	40.00 ft	Max Depth: 2.00 ft
FHWA Code:	3	Max Depth: 2.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	1.00	Default: 1.50 ft
		Op Table:
		Ref Node:
	Manning's N: 0.0000	Ref Node:
		Manning's N: 0.0000
		Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

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

Comment:

Weir Link: NML0210_W1	
Scenario: Existing	Bottom Clip
From Node: NML0210	Default: 0.00 ft
To Node: NML0200	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: 7.67 ft	Discharge Coefficients
Control Elevation: 7.67 ft	Weir Default: 2.800
Cross Section: NML0210_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: NML0210_W2	
Scenario: Existing	Bottom Clip
From Node: NML0210	Default: 0.00 ft
To Node: MULLET_LAKE	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: 8.37 ft	Discharge Coefficients
Control Elevation: 8.37 ft	Weir Default: 2.800
Cross Section: NML0210_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: NML0220_LP1	Upstream	Downstream
Scenario: Existing	Invert: 8.80 ft	Invert: 6.60 ft
From Node: NML0220	Manning's N: 0.0240	Manning's N: 0.0220
To Node: NML0210	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: NML0220_W1			
Scenario:	Existing	Bottom Clip	
From Node:	NML0220	Default:	0.00 ft
To Node:	06_M_0240_NS	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:	11.70 ft	Discharge Coefficients	
Control Elevation:	11.70 ft	Weir Default:	2.800
Cross Section:	NML0220_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: NML0220_W2			
Scenario:	Existing	Bottom Clip	
From Node:	NML0220	Default:	0.00 ft
To Node:	NML0210	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:	10.31 ft	Discharge Coefficients	
Control Elevation:	10.31 ft	Weir Default:	2.800
Cross Section:	NML0220_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: NML0220_W3		
Scenario:	Existing	Bottom Clip
From Node:	NML0220	Default: 0.00 ft
To Node:	NML0200	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	12.45 ft	Discharge Coefficients
Control Elevation:	12.45 ft	Weir Default: 2.800
Cross Section:	NML0220_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0220_W4		
Scenario:	Existing	Bottom Clip
From Node:	NML0220	Default: 0.00 ft
To Node:	MULLET_LAKE	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	11.42 ft	Discharge Coefficients
Control Elevation:	11.42 ft	Weir Default: 2.800
Cross Section:	NML0220_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0300_LP1		
	Upstream	Downstream
Scenario:	Existing	Invert: 7.84 ft
From Node:	NML0300	Invert: 7.42 ft
To Node:	NML0000	Manning's N: 0.0240
Link Count:	1	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000	Geometry: Circular
Length:	40.00 ft	Max Depth: 2.00 ft
FHWA Code:	6	Max Depth: 2.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
		Ref Node:
		Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: NML0300_LP2			Upstream	Downstream
Scenario:	Existing	Invert:	10.38 ft	Invert: 10.43 ft
From Node:	NML0300	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	NML0100	Geometry: Circular		Geometry: Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	20.00 ft	Op Table:		Op Table:
FHWA Code:	6	Ref Node:		Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0300_W1			Bottom Clip
Scenario:	Existing	Default:	0.00 ft
From Node:	NML0300	Op Table:	
To Node:	NML0000	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	11.70 ft	Weir Default:	2.800
Control Elevation:	11.70 ft	Weir Table:	
Cross Section:	NML0300_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: NML0300_W2			Bottom Clip
Scenario:	Existing	Default:	0.00 ft
From Node:	NML0300	Op Table:	
To Node:	NML0400		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	17.01 ft	Ref Node:
Control Elevation:	17.01 ft	Discharge Coefficients
Cross Section:	NML0300_W2X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0300_W3		
Scenario:	Existing	Bottom Clip
From Node:	NML0300	Default: 0.00 ft
To Node:	NML0410	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:	18.39 ft	Discharge Coefficients
Control Elevation:	18.39 ft	Weir Default: 2.800
Cross Section:	NML0300_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0300_W4		
Scenario:	Existing	Bottom Clip
From Node:	NML0300	Default: 0.00 ft
To Node:	NML0100	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:	12.04 ft	Discharge Coefficients
Control Elevation:	12.04 ft	Weir Default: 2.800
Cross Section:	NML0300_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: NML0310_W1		
Scenario:	Existing	Bottom Clip
From Node:	NML0310	Default: 0.00 ft
To Node:	NML0300	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	22.10 ft	Discharge Coefficients
Control Elevation:	22.10 ft	Weir Default: 2.800
Cross Section:	NML0310_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0310_W2		
Scenario:	Existing	Bottom Clip
From Node:	NML0310	Default: 0.00 ft
To Node:	NML0410	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	23.33 ft	Discharge Coefficients
Control Elevation:	23.33 ft	Weir Default: 2.800
Cross Section:	NML0310_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0400_LP1		
	Upstream	Downstream
Scenario:	Existing	Invert: 8.10 ft
From Node:	NML0400	Invert: 7.80 ft
To Node:	NML0000	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000	Geometry: Circular
Length:	48.00 ft	Max Depth: 3.50 ft
FHWA Code:	3	Max Depth: 3.50 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
		Ref Node:
		Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: NML0400_LP2		
	Upstream	Downstream
Scenario: Existing	Invert: 9.70 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 31	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0400_W1		
Scenario: Existing	Bottom Clip	
From Node: NML0400	Default: 0.00 ft	
To Node: NML0000	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: 11.82 ft	Discharge Coefficients	
Control Elevation: 11.82 ft	Weir Default: 2.800	
Cross Section: NML0400_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: NML0410_W1		
Scenario: Existing	Bottom Clip	
From Node: NML0410	Default: 0.00 ft	
To Node: NML0400	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	13.83 ft	Ref Node:
Control Elevation:	13.83 ft	Discharge Coefficients
Cross Section:	NML0410_W1X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0410_W2		
Scenario:	Existing	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	16.88 ft	Discharge Coefficients
Control Elevation:	16.88 ft	Weir Default: 2.800
Cross Section:	NML0410_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0410_W3		
Scenario:	Existing	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	NML0000	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:	16.39 ft	Discharge Coefficients
Control Elevation:	16.39 ft	Weir Default: 2.800
Cross Section:	NML0410_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Pipe Link: NML0420_LP1		Upstream	Downstream
Scenario:	Existing	Invert: 23.50 ft	Invert: 22.70 ft
From Node:	NML0420	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	42.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: NML0420_LP2		Upstream	Downstream
Scenario:	Existing	Invert: 19.90 ft	Invert: 18.36 ft
From Node:	NML0420	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	NML0410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 3.50 ft
Flow Direction:	None	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	50.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: NML0420_W1			
Scenario:	Existing	Bottom Clip	
From Node:	NML0420	Default:	0.00 ft
To Node:	NML0410	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:	25.42 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Control Elevation: 25.42 ft

Cross Section: NML0420_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: NML0430_LP1	Upstream	Downstream
Scenario: Existing	Invert: 30.87 ft	Invert: 30.58 ft
From Node: NML0430	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0420	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0430_W1		
Scenario:	Existing	Bottom Clip
From Node:	NML0430	Default: 0.00 ft
To Node:	NML0420	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:	32.40 ft	Discharge Coefficients
Control Elevation:	32.40 ft	Weir Default: 2.800
Cross Section:	NML0430_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0500_LP1	Upstream	Downstream
Scenario: Existing	Invert: 8.50 ft	Invert: 8.40 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

From Node:	NML0500	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	NML0530	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: NML0500_W1		
Scenario:	Existing	Bottom Clip
From Node:	NML0500	Default: 0.00 ft
To Node:	NML0530	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:	11.16 ft	Discharge Coefficients
Control Elevation:	11.16 ft	Weir Default: 2.800
Cross Section:	NML0500_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0500_W2			
Scenario:	Existing	Bottom Clip	
From Node:	NML0500	Default:	0.00 ft
To Node:	NML0530	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:	16.91 ft	Discharge Coefficients	
Control Elevation:	16.91 ft	Weir Default:	2.800
Cross Section:	NML0500_W2X	Weir Table:	
		Orifice Default:	0.600

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Orifice Table:

Comment:

Weir Link: NML0510_W1

Scenario:	Existing	Bottom Clip
From Node:	NML0510	Default: 0.00 ft
To Node:	NML0520	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:	9.10 ft	Discharge Coefficients
Control Elevation:	9.10 ft	Weir Default: 2.800
Cross Section:	NML0510_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0510_W2

Scenario:	Existing	Bottom Clip
From Node:	NML0510	Default: 0.00 ft
To Node:	NML0530	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:	11.00 ft	Discharge Coefficients
Control Elevation:	11.00 ft	Weir Default: 2.800
Cross Section:	NML0510_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0520_LP1

	Upstream	Downstream
Scenario:	Existing	Invert: 6.55 ft
From Node:	NML0520	Manning's N: 0.0120
To Node:	NML0000	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: NML0520_W1

Scenario:	Existing	Bottom Clip			
From Node:	NML0520	Default:	0.00 ft		
To Node:	NML0000	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:	9.14 ft	Discharge Coefficients			
Control Elevation:	9.14 ft	Weir Default:	2.800		
Cross Section:	NML0520_W1X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Weir Link: NML0520_W2

Scenario:	Existing	Bottom Clip			
From Node:	NML0520	Default:	0.00 ft		
To Node:	NML0220	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:	13.43 ft	Discharge Coefficients			
Control Elevation:	13.43 ft	Weir Default:	2.800		
Cross Section:	NML0520_W2X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

Weir Link: NML0520_W3		
Scenario:	Existing	Bottom Clip
From Node:	NML0520	Default: 0.00 ft
To Node:	NML0200	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	10.77 ft	Discharge Coefficients
Control Elevation:	10.77 ft	Weir Default: 2.800
Cross Section:	NML0520_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0520_W4		
Scenario:	Existing	Bottom Clip
From Node:	NML0520	Default: 0.00 ft
To Node:	NML0100	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	9.80 ft	Discharge Coefficients
Control Elevation:	9.80 ft	Weir Default: 2.800
Cross Section:	NML0520_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0530_LP1		
	Upstream	Downstream
Scenario:	Existing	Invert: 6.70 ft
From Node:	NML0530	Invert: 6.72 ft
To Node:	NML0520	Manning's N: 0.0240
Link Count:	1	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000	Geometry: Circular
Length:	40.00 ft	Max Depth: 1.25 ft
FHWA Code:	6	Max Depth: 1.25 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
		Ref Node:
		Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

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

Comment:

Pipe Link: NML0530_LP2		Upstream	Downstream
Scenario:	Existing	Invert: 7.33 ft	Invert: 7.47 ft
From Node:	NML0530	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0520	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	33.00 ft	Op Table:	Op Table:
FHWA Code:	3	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0530_LP3		Upstream	Downstream
Scenario:	Existing	Invert: 5.58 ft	Invert: 5.76 ft
From Node:	NML0530	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0100	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	20.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0530_W1		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NML0530	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

To Node: NML0100
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 9.17 ft
 Control Elevation: 9.17 ft
 Cross Section: NML0530_W1X

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: NML0530_W2

Scenario: Existing
 From Node: NML0530
 To Node: NML0520
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 10.00 ft
 Control Elevation: 10.00 ft
 Cross Section: NML0530_W2X

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:

Simulation: 010YR24HR

Scenario: Existing
 Run Date/Time: 11/12/2019 4:10:55 PM
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	240.0000

Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Existing Conditions

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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
 Reference ET Folder:
 Unit Hydrograph
 Folder:

Lookup Tables

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

 Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:
 Roughness Set:
 Crop Coef Set:
 Fillable Porosity Set:
 Conductivity Set:
 Leakage Set:

Tolerances & Options

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

 Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
 ET for Manual Basins: False

 Smp/Man Basin Rain Global
 Opt:
 OF Region Rain Opt: Global
 Rainfall Name: ~FLMOD

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Edge Length Option: Automatic

Rainfall Amount: 6.80 in
Storm Duration: 24.0000 hr

Dflt Damping (2D): 0.0050 ft

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 1 ft2

Min Node Srf Area 113 ft2

(2D):

(1D):

Energy Switch (2D): Energy

Energy Switch (1D): Energy

Comment: 10 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 025YR24HR

Scenario: Existing

Run Date/Time: 11/12/2019 4:12:12 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	288.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area: 1 ft2
(2D):
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain: Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 8.40 in
Storm Duration: 24.0000 hr

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

Comment: 25 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 050YR24HR

Scenario: Existing
Run Date/Time: 11/12/2019 4:14:10 PM
Program Version: ICPR4 4.05.02

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	336.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 10.10 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 1 ft2	Min Node Srf Area 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 50 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMULAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 100YR24HR

Scenario: Existing
Run Date/Time: 11/12/2019 4:17:54 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	384.0000

	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	15.0000

Surface Hydraulics

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources	Lookup Tables
Rainfall Folder:	Boundary Stage Set:
Reference ET Folder:	Extern Hydrograph Set:
Unit Hydrograph Folder:	Curve Number Set:
	Green-Ampt Set:
	Vertical Layers Set:
	Impervious Set:
	Roughness Set:
	Crop Coef Set:
	Fillable Porosity Set:
	Conductivity Set:
	Leakage Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight: 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
	OF Region Rain Opt: Global
Max dZ: 1.0000 ft	Rainfall Name: ~FLMOD
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 11.40 in
	Storm Duration: 24.0000 hr
Edge Length Option: Automatic	
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: 100 YEAR / 24 HOUR SIMULATION EVENT.
RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP)

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: MA24HR

Scenario: Existing
Run Date/Time: 11/12/2019 4:22:27 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	168.0000

	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Existing Conditions

Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 5.30 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 1 ft2	Min Node Srf Area 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: MEAN ANNUAL / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

APPENDIX E

ALTERNATIVE CONDITIONS

ICPR MODEL INPUT & OUTPUT

(Model data included with Electronic Deliverables)

ALTERNATIVE 1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_0110_BC

Scenario: Alt1
Node: 06_M_0110_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.7424 ac
Curve Number: 80.3
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0120_BC

Scenario: Alt1
Node: 06_M_0120_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1800 ac
Curve Number: 80.0
% Impervious: 6.90
% DCIA: 6.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0125_BC

Scenario: Alt1
Node: 06_M_0125_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 10.7165 ac
Curve Number: 80.0
% Impervious: 2.20
% DCIA: 2.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0130_BC

Scenario: Alt1
Node: 06_M_0130_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.3922 ac
Curve Number: 80.1
% Impervious: 5.50
% DCIA: 5.50
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0145_BC

Scenario: Alt1
Node: 06_M_0145_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 69.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4258 ac
Curve Number: 79.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_0200_BC_1

Scenario: Alt1
Node: 06_M_0205_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 138.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 172.3204 ac
Curve Number: 80.0
% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0200_BC_2

Scenario: Alt1
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.4858 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_0200_BC_3

Scenario: Alt1
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4272 ac
Curve Number: 79.8
% Impervious: 4.70
% DCIA: 4.70
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0210_BC

Scenario: Alt1
Node: 06_M_0210_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5115 ac
Curve Number: 67.7
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0220_BC

Scenario: Alt1
Node: 06_M_0220_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1407 ac
Curve Number: 77.2
% Impervious: 5.60
% DCIA: 5.60
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0240_BC

Scenario: Alt1
Node: 06_M_0240_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.5155 ac
Curve Number: 79.1
% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0260_BC

Scenario: Alt1
Node: 06_M_0260_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.8854 ac
Curve Number: 79.5

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0270_BC

Scenario: Alt1
Node: 06_M_0270_NC
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: Uh323
Peaking Factor: 323.0
Area: 1.0215 ac
Curve Number: 80.1
% Impervious: 11.90
% DCIA: 11.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0290_BC

Scenario: Alt1
Node: 06_M_0290_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5235 ac
Curve Number: 75.1
% Impervious: 3.60
% DCIA: 3.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_0300_BC

Scenario: Alt1
Node: 06_M_0300_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6520 ac
Curve Number: 76.8
% Impervious: 3.20
% DCIA: 3.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0310_BC

Scenario: Alt1
Node: 06_M_0310_NC
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: Uh323
Peaking Factor: 323.0
Area: 0.6179 ac
Curve Number: 79.7
% Impervious: 8.10
% DCIA: 8.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0315_BC_1

Scenario: Alt1
Node: 06_M_0315_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 60.1000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 28.3192 ac
Curve Number: 79.5
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0400_BC

Scenario: Alt1
Node: 06_M_0400_NS
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: Uh323
Peaking Factor: 323.0
Area: 0.6137 ac
Curve Number: 80.6
% Impervious: 13.00
% DCIA: 13.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0410_BC

Scenario: Alt1
Node: 06_M_0410_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.3276 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

% Impervious: 1.90
% DCIA: 1.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0420_BC

Scenario: Alt1
Node: 06_M_0420_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9231 ac
Curve Number: 73.0
% Impervious: 2.40
% DCIA: 2.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0425_BC_1

Scenario: Alt1
Node: 06_M_0425_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.3966 ac
Curve Number: 79.9
% Impervious: 1.60
% DCIA: 1.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_0500_BC

Scenario: Alt1
Node: 06_M_0500_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9783 ac
Curve Number: 79.3
% Impervious: 7.40
% DCIA: 7.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0510_BC

Scenario: Alt1
Node: 06_M_0510_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1824 ac
Curve Number: 80.2
% Impervious: 8.00
% DCIA: 8.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0520_BC

Scenario: Alt1
Node: 06_M_0520_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.3239 ac
Curve Number: 70.3
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0525_BC

Scenario: Alt1
Node: 06_M_0525_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 45.7030 ac
Curve Number: 79.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0530_BC

Scenario: Alt1
Node: 06_M_0530_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 76.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.0290 ac
Curve Number: 74.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_1

Scenario: Alt1
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5500 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_2

Scenario: Alt1
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.5400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_0620_BC

Scenario: Alt1
Node: 06_M_0620_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5600 ac
Curve Number: 79.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0630_BC

Scenario: Alt1
Node: 06_M_0630_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1400 ac
Curve Number: 80.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0650_BC

Scenario: Alt1
Node: 06_M_0650_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 75.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9400 ac
Curve Number: 79.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0670_BC

Scenario: Alt1
Node: 06_M_0670_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4100 ac
Curve Number: 79.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0680_BC

Scenario: Alt1
Node: 06_M_0680_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.9800 ac
Curve Number: 74.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_0690_BC_1

Scenario: Alt1
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.0300 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0690_BC_2

Scenario: Alt1
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 82.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.8000 ac
Curve Number: 66.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_0710_BC

Scenario: Alt1
Node: 06_M_0710_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.0200 ac
Curve Number: 72.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_1

Scenario: Alt1
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 104.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 20.1000 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_2

Scenario: Alt1
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.9000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1100 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_3

Scenario: Alt1
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 66.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_4

Scenario: Alt1
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 86.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4400 ac
Curve Number: 80.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_1100_BC

Scenario: Alt1
Node: 06_M_1100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 36.4400 ac
Curve Number: 79.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2000_BC_1

Scenario: Alt1
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7100 ac
Curve Number: 65.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_2000_BC_2

Scenario: Alt1
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 77.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.3400 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2100_BC

Scenario: Alt1
Node: 06_M_2100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 138.3100 ac
Curve Number: 76.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2200_BC

Scenario: Alt1
Node: 06_M_2200_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 117.6000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 56.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2300_BC

Scenario: Alt1
Node: 06_M_2300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 52.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.5800 ac
Curve Number: 78.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2400_BC

Scenario: Alt1
Node: 06_M_2400_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 45.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 228.3100 ac
Curve Number: 67.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_2500_BC

Scenario: Alt1
Node: 06_M_2500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.9877 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2600_BC

Scenario: Alt1
Node: 06_M_2600_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 42.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 21.5100 ac
Curve Number: 65.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_2700_BC

Scenario: Alt1
Node: 06_M_2700_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 120.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 119.5300 ac
Curve Number: 77.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2800_BC

Scenario: Alt1
Node: 06_M_2800_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0200 ac
Curve Number: 65.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3000_BC

Scenario: Alt1
Node: 06_M_3000_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.6100 ac
Curve Number: 78.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3100_BC

Scenario: Alt1
Node: 06_M_3100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 111.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 148.6320 ac
Curve Number: 60.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3200_BC

Scenario: Alt1
Node: 06_M_3200_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 15.6814 ac
Curve Number: 67.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_3250_BC

Scenario: Alt1
Node: 06_M_3250_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9300 ac
Curve Number: 67.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3300_BC_1

Scenario: Alt1
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 51.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.7600 ac
Curve Number: 57.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_3300_BC_2

Scenario: Alt1
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6500 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_1

Scenario: Alt1
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 107.9400 ac
Curve Number: 57.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_2

Scenario: Alt1
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.3800 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_1

Scenario: Alt1
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 33.1400 ac
Curve Number: 51.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_2

Scenario: Alt1
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.0300 ac
Curve Number: 39.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_3600_BC_1

Scenario: Alt1
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 65.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 324.4100 ac
Curve Number: 45.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_2

Scenario: Alt1
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7300 ac
Curve Number: 59.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_3600_BC_3

Scenario: Alt1
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1700 ac
Curve Number: 46.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_4

Scenario: Alt1
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 35.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9400 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4100_BC_1

Scenario: Alt1
Node: 06_M_4100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 95.2361 ac
Curve Number: 55.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4200_BC_1

Scenario: Alt1
Node: 06_M_4200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 16.0747 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5000_BC

Scenario: Alt1
Node: 06_M_5000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.2500 ac
Curve Number: 40.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: 06_M_5100_BC

Scenario: Alt1
Node: 06_M_5100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.4700 ac
Curve Number: 40.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5200_BC

Scenario: Alt1
Node: 06_M_5200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9500 ac
Curve Number: 43.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: 06_M_5300_BC

Scenario: Alt1
Node: 06_M_5300_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.1000 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5400_BC

Scenario: Alt1
Node: 06_M_5400_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 19.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.8900 ac
Curve Number: 60.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5500_BC

Scenario: Alt1
Node: 06_M_5500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 79.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 202.7900 ac
Curve Number: 45.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5600_BC

Scenario: Alt1
Node: 06_M_5600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 94.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 742.5000 ac
Curve Number: 48.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0000

Scenario: Alt1
Node: NML0000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 141.4118 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: ML0050

Scenario: Alt1
Node: NML0050
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.8503 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0100

Scenario: Alt1
Node: NML0100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 53.3904 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: ML0110

Scenario: Alt1
Node: NML0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.9604 ac
Curve Number: 67.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0120

Scenario: Alt1
Node: NML0120
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: Uh323
Peaking Factor: 323.0
Area: 1.0445 ac
Curve Number: 61.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0150

Scenario: Alt1
Node: NML0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.5000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0099 ac
Curve Number: 63.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0200

Scenario: Alt1
Node: NML0200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 58.2853 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0210

Scenario: Alt1
Node: NML0210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 38.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 55.9184 ac
Curve Number: 80.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: ML0220

Scenario: Alt1
Node: NML0220
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 35.9553 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0300

Scenario: Alt1
Node: NML0300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 38.8395 ac
Curve Number: 63.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: ML0310

Scenario: Alt1
Node: NML0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 33.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.3816 ac
Curve Number: 67.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0400

Scenario: Alt1
Node: NML0400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.7492 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0410

Scenario: Alt1
Node: NML0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 381.7660 ac
Curve Number: 78.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0420

Scenario: Alt1
Node: NML0420
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 312.5364 ac
Curve Number: 69.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0430

Scenario: Alt1
Node: NML0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 132.1490 ac
Curve Number: 44.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

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

Comment:

Simple Basin: ML0500

Scenario: Alt1
Node: NML0500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 34.8720 ac
Curve Number: 78.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0510

Scenario: Alt1
Node: NML0510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.0957 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Simple Basin: ML0520

Scenario: Alt1
Node: NML0520
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 25.8523 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0530

Scenario: Alt1
Node: NML0530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 75.0376 ac
Curve Number: 73.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 06_M_0100_NT

Scenario: Alt1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 10.50 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.50
0	0	0	300.0000	2.50

Comment:

Node: 06_M_0110_NE

Scenario: Alt1

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.50 ft

Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0010	44
2.67	0.0110	479
3.17	0.0120	523
4.17	0.0180	784
4.67	0.0200	871
5.17	0.0210	915
5.67	0.0210	915
6.17	0.0220	958
6.67	0.0220	958
7.17	0.0260	1133
7.67	0.0300	1307
8.17	0.0350	1525
8.67	0.0470	2047
9.17	0.0850	3703
9.67	0.1620	7057
10.17	0.2690	11718
10.67	0.4950	21562
11.17	0.6880	29969
11.67	0.7550	32888
12.25	0.7600	33106

Comment:

Node: 06_M_0120_NS

Scenario: Alt1

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 2.86 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
8.83	0.0006	26
9.33	0.0339	1477
9.83	0.0660	2875
10.33	0.1486	6473
10.83	0.2266	9871
11.33	0.3569	15547
11.83	0.4739	20643
12.33	0.5789	25217
12.83	0.6684	29116
13.33	0.7510	32714
13.83	0.8199	35715
14.33	0.8532	37165
14.83	0.8893	38738
14.92	0.8904	38786
3.90	0.0001	4

Comment:

Node: 06_M_0125_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.08 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.52	0.0010	44
8.02	0.0380	1655
8.52	0.2040	8886
9.02	0.4340	18905
9.52	0.9400	40946
10.02	2.2630	98576
10.52	4.0470	176287
11.02	5.9350	258529
11.52	7.6910	335020
12.02	8.6800	378101
12.52	9.3670	408027
13.02	9.7980	426801
13.52	10.0750	438867
14.02	10.2670	447231
14.52	10.4100	453460
15.02	10.5250	458469
15.52	10.6230	462738
16.02	10.6980	466005

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.70	10.7430	467965
6.12	0.0010	44

Comment:

Node: 06_M_0130_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.46 ft
 Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.21	0.0006	26
9.71	0.0132	575
10.21	0.0809	3524
10.71	0.2467	10746
11.21	0.4424	19271
11.71	0.5789	25217
12.21	0.7143	31115
12.71	0.7992	34813
13.21	0.8709	37936
13.71	0.9381	40864
14.21	0.9690	42210
14.54	0.9713	42310
4.50	0.0001	4

Comment:

Node: 06_M_0140_NE

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.98 ft
 Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.02	0.0010	44
13.00	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Node: 06_M_0145_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 7.14 ft
 Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0006	26
9.82	0.0218	950
10.32	0.1836	7998
10.82	0.5141	22394
11.32	1.0844	47236
11.82	1.3099	57059
12.32	1.3667	59533
12.82	1.3862	60383
13.32	1.4011	61032
13.82	1.4263	62130
13.99	1.4286	62230
8.18	0.0001	4

Comment:

Node: 06_M_0200_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.98 ft
 Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
4.97	0.0010	44
9.27	0.0010	44
9.77	0.0010	44
10.27	0.0300	1307
10.77	0.2200	9583
11.27	0.5700	24829
11.77	0.8300	36155
12.27	0.9800	42689
12.77	1.0700	46609
13.27	1.1100	48352
13.77	1.1200	48787
14.47	1.1300	49223

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Node: 06_M_0205_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.49 ft
Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.98	0.0010	44
7.48	0.0100	436
7.98	0.0200	871
8.48	0.0500	2178
8.98	0.0900	3920
9.48	0.4800	20909
9.98	1.6700	72745
10.48	3.9700	172933
10.98	7.0800	308405
11.48	12.7300	554519
11.98	22.9500	999702
12.48	36.4500	1587762
12.98	57.5000	2504700
13.48	84.3100	3672544
13.98	111.1100	4839952
14.48	130.6300	5690243
14.98	144.9600	6314458
15.48	154.6900	6738296
15.98	161.2500	7024050
16.48	165.2400	7197854
16.98	167.8800	7312853
17.48	169.7900	7396052
17.98	171.1200	7453987
18.48	171.9200	7488835
18.98	172.2100	7501468
19.48	172.2900	7504952
20.17	172.3100	7505824

Comment:

Node: 06_M_0210_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.13	0.0006	26

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
7.63	0.0017	74
8.13	0.0023	100
8.63	0.0052	227
9.13	0.0080	348
9.63	0.0178	775
10.13	0.0396	1725
10.63	0.0711	3097
11.13	0.1480	6447
11.63	0.3052	13295
12.13	0.5646	24594
12.63	0.8153	35514
13.13	1.0821	47136
13.63	1.2226	53256
14.13	1.3041	56807
14.63	1.3689	59629
14.82	1.3735	59830

Comment:

Node: 06_M_0220_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 9.46 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0010	44
5.71	0.0270	1176
6.21	0.0560	2439
6.71	0.0720	3136
7.21	0.0830	3615
7.71	0.0920	4008
8.21	0.0990	4312
8.71	0.1100	4792
9.21	0.1220	5314
9.71	0.1380	6011
10.21	0.1770	7710
10.71	0.2510	10934
11.21	0.6450	28096
11.71	1.1720	51052
12.21	1.5540	67692
12.71	1.7840	77711
13.21	1.9830	86379
13.71	2.0970	91345
14.21	2.1260	92609

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
14.61	2.1310	92826

Comment:

Node: 06_M_0230_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.36 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0010	44
10.20	0.0010	44

Comment:

Node: 06_M_0240_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
7.19	0.0530	2309
7.69	0.0570	2483
8.19	0.0680	2962
8.69	0.0830	3615
9.19	0.0900	3920
9.69	0.0960	4182
10.19	0.1030	4487
10.69	0.1080	4704
11.19	0.1210	5271
11.69	0.2150	9365
12.19	0.3690	16074
12.69	0.4070	17729
13.19	0.4440	19341
13.69	0.4810	20952
14.19	0.5080	22128
14.67	0.5110	22259

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Node: 06_M_0250_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Comment:

Node: 06_M_0260_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.96	0.0010	44
11.73	0.0630	2744
12.23	0.2500	10890
12.73	0.3950	17206
13.23	0.4340	18905
13.73	0.4560	19863
14.23	0.5290	23043
14.58	0.5560	24219

Comment:

Node: 06_M_0270_NC

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.42	0.0010	44
11.57	0.0050	218
12.07	0.0240	1045

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.57	0.1390	6055
13.07	0.2860	12458
13.57	0.3890	16945
14.07	0.4440	19341
14.57	0.5060	22041
15.07	0.6060	26397
15.57	0.6390	27835
15.95	0.6430	28009

Comment:

Node: 06_M_0280_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0290_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.51	0.0010	44
10.82	0.0060	261
11.32	0.0100	436
11.82	0.0210	915
12.32	0.0840	3659
12.82	0.4350	18949
13.32	0.6580	28662
13.82	0.7590	33062
14.32	0.8200	35719
14.82	0.8890	38725
15.32	0.9740	42427

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.77	1.0840	47219

Comment:

Node: 06_M_0300_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 5.84 ft
 Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.18	0.0010	44
11.68	0.0070	305
12.18	0.0150	653
12.68	0.0380	1655
13.18	0.3310	14418
13.68	0.8390	36547
14.18	0.9690	42210
14.68	1.0120	44083
15.18	1.0480	45651
15.68	1.0770	46914
16.18	1.0880	47393
16.58	1.0900	47480
6.78	0.0010	44

Comment:

Node: 06_M_0310_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 5.86 ft
 Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.02	0.0010	44
9.52	0.0010	44
10.02	0.0010	44
10.52	0.0010	44
11.02	0.0010	44
11.52	0.0050	218
12.02	0.0130	566

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.52	0.0260	1133
13.02	0.0430	1873
13.52	0.0680	2962
14.02	0.1740	7579
14.52	0.2750	11979
15.02	0.3180	13852
15.52	0.3780	16466
16.02	0.4040	17598
16.69	0.4660	20299
6.90	0.0010	44

Comment:

Node: 06_M_0315_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.55 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.88	0.0010	44
10.38	0.2210	9627
10.88	0.2690	11718
11.38	0.8840	38507
11.88	2.6430	115129
12.38	5.1090	222548
12.88	7.9370	345736
13.38	11.0630	481904
13.88	15.4690	673830
14.38	19.5260	850553
14.88	22.2290	968295
15.38	24.2730	1057332
15.88	25.9540	1130556
16.38	27.0080	1176468
16.88	27.6060	1202517
17.38	28.0130	1220246
17.88	28.1920	1228044
18.38	28.2840	1232051
18.88	28.3110	1233227
19.38	28.3200	1233619
19.67	28.3220	1233706

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Node: 06_M_0320_NE

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.00 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.04	0.0010	44
16.40	0.0010	44

Comment:

Node: 06_M_0400_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.26 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.75	0.0010	44
12.25	0.0010	44
12.75	0.0010	44
13.25	0.0020	87
13.75	0.0240	1045
14.25	0.1470	6403
14.75	0.2130	9278
15.25	0.2330	10149
15.75	0.2390	10411
16.25	0.2910	12676
16.55	0.3310	14418
7.30	0.0010	44

Comment:

Node: 06_M_0410_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 6.76 ft
 Warning Stage: 10.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.59	0.0010	44
11.09	0.0240	1045
11.59	0.1510	6578
12.09	0.4450	19384
12.59	1.0030	43691
13.09	1.7540	76404
13.59	3.0670	133599
14.09	4.0750	177507
14.59	4.5330	197457
15.09	4.7160	205429
15.59	4.7610	207389
16.11	4.7680	207694
7.80	0.0010	44

Comment:

Node: 06_M_0420_NC

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.22	0.0010	44
9.72	0.0050	218
10.22	0.0120	523
10.72	0.0260	1133
11.22	0.0420	1830
11.72	0.0830	3615
12.22	0.2950	12850
12.72	0.5590	24350
13.22	0.7170	31233
13.72	0.8020	34935
14.22	0.8720	37984
14.72	0.9350	40729
15.22	0.9660	42079
15.72	1.0940	47655
16.26	1.2070	52577
8.30	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Node: 06_M_0425_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.09	0.0010	44
11.59	0.0550	2396
12.09	0.8250	35937
12.59	2.6840	116915
13.09	4.3780	190706
13.59	5.6480	246027
14.09	6.3590	276998
14.59	6.7600	294466
15.09	7.0800	308405
15.59	7.3950	322126
16.09	7.6670	333975
16.59	7.8720	342904
17.09	8.0460	350484
17.59	8.2250	358281
18.09	8.3300	362855
18.59	8.3800	365033
19.09	8.3920	365556
19.43	8.3940	365643

Comment:

Node: 06_M_0430_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.83 ft

Stage [ft]	Area [ac]	Area [ft2]
8.91	0.0010	44
16.00	0.0010	44

Comment:

Node: 06_M_0500_NS

Scenario: Alt1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.60 ft

Stage [ft]	Area [ac]	Area [ft2]
11.31	0.0010	44
11.81	0.2090	9104
12.31	0.5240	22825
12.81	0.7860	34238
13.31	0.9910	43168
13.81	1.1290	49179
14.31	1.1840	51575
14.81	1.1900	51836
15.31	1.1980	52185
15.81	1.3180	57412
16.16	1.3870	60418
8.00	0.0010	44

Comment:

Node: 06_M_0510_NC

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.13 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.68	0.0010	44
12.18	0.0160	697
12.68	0.0890	3877
13.18	0.1700	7405
13.68	0.2590	11282
14.18	0.4750	20691
14.68	0.7380	32147
15.18	0.7880	34325
15.68	0.7940	34587
16.18	0.7990	34804
16.71	0.8050	35066
9.17	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Node: 06_M_0520_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 8.57 ft
 Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.26	0.0010	44
11.76	0.0210	915
12.26	0.1590	6926
12.76	0.5540	24132
13.26	0.9080	39552
13.76	1.2120	52795
14.26	1.5850	69043
14.76	2.0450	89080
15.26	2.2770	99186
15.76	2.3670	103107
16.26	2.4530	106853
16.76	2.5160	109597
17.26	2.5430	110773
17.76	2.5880	112733
18.26	2.5980	113169
9.61	0.0010	44

Comment:

Node: 06_M_0525_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.53 ft
 Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.98	0.0010	44
10.48	0.3090	13460
10.98	0.5620	24481
11.48	2.9520	128589
11.98	6.1600	268330
12.48	10.0960	439782
12.98	15.6680	682498
13.48	21.2960	927654
13.98	26.6820	1162268
14.48	31.4830	1371399
14.98	35.9660	1566679
15.48	39.9180	1738828

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.98	42.9240	1869769
16.48	44.6310	1944126
16.98	45.2600	1971526
17.48	45.5190	1982808
17.98	45.6380	1987991
18.48	45.6780	1989734
19.19	45.6920	1990344

Comment:

Node: 06_M_0530_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
10.08	0.0010	44
10.71	0.0010	44
11.21	0.0210	915
11.71	0.4220	18382
12.21	1.6750	72963
12.71	3.1440	136953
13.21	4.0570	176723
13.71	4.8010	209132
14.21	5.7290	249555
14.71	6.5850	286843
15.21	7.1740	312499
15.71	7.4560	324783
16.21	7.6540	333408
16.71	7.8060	340029
17.21	7.8760	343079
17.71	7.9080	344472
18.21	7.9430	345997
18.71	7.9620	346825
19.21	7.9650	346955
19.65	7.9680	347086

Comment:

Node: 06_M_0600_NS

Scenario: Alt1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.9500	41382
13.96	1.3500	58806
14.96	1.5500	67518

Comment:

Node: 06_M_0610_NC

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.66 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.66	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0620_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.96	0.1100	4792
9.96	0.1800	7841
10.96	0.2100	9148
11.96	0.2700	11761
12.96	0.3900	16988
13.96	1.1400	49658
14.96	1.5000	65340

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Node: 06_M_0630_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4300	18731
13.96	0.8300	36155
14.96	1.8700	81457
15.96	2.0000	87120

Comment:

Node: 06_M_0640_NE

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.79	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0650_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4400	19166
13.96	3.1400	136778
14.96	5.2700	229561
15.96	6.2400	271814

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Node: 06_M_0660_NE

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.06 ft
 Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.27	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0670_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.06 ft
 Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	1.4100	61420
14.96	3.1800	138521
15.96	3.4700	151153

Comment:

Node: 06_M_0680_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 10.52 ft
 Warning Stage: 14.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.5800	25265
12.96	1.2500	54450
13.96	1.5000	65340
14.96	1.8000	78408
15.96	2.1400	93218

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Node: 06_M_0690_NE

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 12.07 ft
 Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.07	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0700_NE

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.27 ft
 Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.27	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0710_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.50 ft
 Warning Stage: 17.26 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	0.0010	44
18.30	0.0010	44

Comment:

Node: 06_M_1000_NS

Scenario: Alt1
 Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Base Flow: 0.00 cfs
Initial Stage: 10.37 ft
Warning Stage: 13.56 ft

Stage [ft]	Area [ac]	Area [ft2]
9.96	0.0100	436
14.96	0.0200	871

Comment:

Node: 06_M_1100_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.96 ft
Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	8.9000	387684
12.96	20.5800	896465
13.96	30.2500	1317690
14.96	35.6400	1552478

Comment:

Node: 06_M_2000_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.41 ft
Warning Stage: 16.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.0100	436
17.96	0.0200	871

Comment:

Node: 06_M_2100_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Initial Stage: 12.46 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	12.0100	523156
12.96	38.7300	1687079
13.96	56.6100	2465932
14.96	96.3400	4196570
15.96	114.8100	5001124

Comment:

Node: 06_M_2200_NP

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.06 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.06	4.8900	213008
14.96	4.9900	217364
15.96	5.1000	222156
18.96	5.4500	237402
19.46	5.5200	240451
19.96	5.5800	243065

Comment:

Node: 06_M_2300_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.2000	182952
14.96	7.3700	321037
15.96	10.1000	439956
18.96	11.5800	504425

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Node: 06_M_2400_NP

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.96 ft
 Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	6.7500	294030
14.96	6.8900	300128
17.96	7.2900	317552
18.46	7.3600	320602
19.46	7.5000	326700
19.96	7.5700	329749

Comment:

Node: 06_M_2500_ND

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.96 ft
 Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.6900	204296
14.96	13.0200	567151
15.96	29.9000	1302444
16.96	37.9880	1654757

Comment:

Node: 06_M_2600_NP

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.96 ft
 Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	1.6700	72745
16.96	1.7400	75794
17.96	1.8100	78844
19.46	1.9100	83200

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
19.96	1.9500	84942

Comment:

Node: 06_M_2700_ND

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 16.96 ft
 Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	12.9100	562360
14.96	37.0400	1613462
15.96	59.9400	2610986
16.96	93.4500	4070682
19.96	118.3000	5153148

Comment:

Node: 06_M_2800_NP

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 16.96 ft
 Warning Stage: 20.46 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	7.7700	338461
20.46	8.7100	379408

Comment:

Node: 06_M_3000_NC

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 11.72 ft
 Warning Stage: 15.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_3100_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.04 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
12.40	1.1070	48221
12.90	1.1580	50442
13.40	1.2580	54798
13.90	2.0910	91084
14.40	4.3660	190183
14.90	6.6900	291416
15.40	10.2650	447143
15.90	16.0230	697962
16.40	24.0270	1046616
16.90	33.0730	1440660
17.40	41.5060	1808001
17.90	47.9440	2088441
18.40	52.8770	2303322
18.90	56.8390	2475907
19.40	61.1330	2662953
19.90	65.0850	2835103
20.40	69.1860	3013742
20.90	74.0930	3227491
21.40	80.4820	3505796
21.90	88.6950	3863554
22.40	99.8800	4350773
22.90	111.5970	4861165
23.40	121.6880	5300729
23.90	128.3280	5589968
24.40	132.8070	5785073
24.90	136.7730	5957832
25.40	140.3440	6113385
25.90	143.4410	6248290
26.40	145.8960	6355230
26.90	147.2560	6414471
27.40	148.0820	6450452
27.90	148.4120	6464827
28.40	148.5090	6469052

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.90	148.5940	6472755
29.40	148.6340	6474497
29.79	148.6410	6474802

Comment:

Node: 06_M_3200_ND

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.96 ft
 Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.46	0.0010	44
16.96	0.0390	1699
17.46	0.9910	43168
17.96	6.4770	282138
18.46	11.0890	483037
18.96	13.0900	570200
19.46	13.8640	603916
19.96	14.2210	619467
20.46	14.4460	629268
20.96	14.7550	642728
21.46	15.0780	656798
21.96	15.2970	666337
22.46	15.4260	671957
22.96	15.5160	675877
23.46	15.5820	678752
23.96	15.6140	680146
24.46	15.6390	681235
24.96	15.6630	682280
25.62	15.6810	683064

Comment:

Node: 06_M_3250_NS

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.96 ft
 Warning Stage: 18.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.96	0.0010	44
20.00	0.0010	44

Comment:

Node: 06_M_3300_ND

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 14.96 ft
 Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.96	0.6200	27007
15.96	14.1500	616374
16.96	20.3100	884704
17.96	24.7300	1077239
18.96	28.2300	1229699

Comment:

Node: 06_M_3400_ND

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 16.96 ft
 Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.6300	27443
17.96	7.0000	304920
18.96	34.7900	1515452
19.96	56.4300	2458091
20.96	70.2700	3060961
21.96	78.3900	3414668

Comment:

Node: 06_M_3500_ND

Scenario: Alt1
 Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Base Flow: 0.00 cfs
Initial Stage: 18.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
18.96	6.2600	272686
19.96	9.0100	392476
20.96	12.1100	527512
21.96	15.0200	654271
22.96	18.3200	798019

Comment:

Node: 06_M_3600_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.2800	12197
20.96	18.4600	804118
21.96	30.1100	1311592
22.96	47.0000	2047320
28.96	76.5500	3334518

Comment:

Node: 06_M_4100_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.0010	44
18.00	0.0070	305
18.50	1.3160	57325
19.00	4.2860	186698
19.50	10.6220	462694
20.00	16.7480	729543
20.50	22.7160	989509

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.00	28.5720	1244596
21.50	35.3880	1541501
22.00	42.7530	1862321
22.50	48.7750	2124639
23.00	52.2900	2277752
23.50	55.5660	2420455
24.00	57.3780	2499386
24.50	58.7050	2557190
25.00	59.8360	2606456
25.50	60.8650	2651279
26.00	62.0550	2703116
26.50	63.3040	2757522
27.00	64.6950	2818114
27.50	66.2110	2884151
28.00	68.0880	2965913
28.50	70.4610	3069281
29.00	73.6690	3209022
29.50	77.6550	3382652
30.00	81.9040	3567738
30.50	85.4170	3720765
31.00	88.1950	3841774
31.50	91.1840	3971975
32.00	94.4130	4112630
32.50	96.3510	4197050
33.00	97.2680	4236994
33.50	97.6240	4252501
34.00	97.9080	4264872
34.50	98.0760	4272191
35.00	98.1850	4276939
35.50	98.3080	4282296
36.00	98.3680	4284910
36.50	98.3940	4286043
36.86	98.3980	4286217

Comment:

Node: 06_M_4200_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
17.00	0.0010	44
17.51	0.0200	871

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
18.01	1.1800	51401
18.51	1.9970	86989
19.01	2.7710	120705
19.51	3.8130	166094
20.01	5.0050	218018
20.51	6.3830	278043
21.01	8.4520	368169
21.51	10.9650	477635
22.01	13.2350	576517
22.51	14.6640	638764
23.01	15.7650	686723
23.51	16.6280	724316
24.01	17.0870	744310
24.51	17.3720	756724
25.01	17.5100	762736
25.51	17.5590	764870
26.01	17.5900	766220
26.51	17.6210	767571
27.01	17.6630	769400
27.51	17.6980	770925
27.79	17.7030	771143

Comment:

Node: 06_M_5000_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.36 ft
Warning Stage: 23.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.36	0.0010	44
25.00	0.0010	44

Comment:

Node: 06_M_5100_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.96 ft
Warning Stage: 24.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.96	0.5600	24394
22.96	0.8600	37462
23.96	2.7900	121532
24.96	6.6400	289238
25.96	10.7300	467399

Comment:

Node: 06_M_5200_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.06	0.0010	44
28.00	0.0010	44

Comment:

Node: 06_M_5300_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 31.56 ft
Warning Stage: 43.96 ft

Stage [ft]	Area [ac]	Area [ft2]
31.56	0.0010	44
45.00	0.0010	44

Comment:

Node: 06_M_5400_NS

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.46 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.46	0.0100	436
26.96	0.0200	871

Comment:

Node: 06_M_5500_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 24.46 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.4100	17860
20.96	3.3200	144619
21.96	16.4400	716126
22.96	25.2400	1099454
23.96	42.0000	1829520
24.96	52.7200	2296483
25.96	64.1700	2795245
26.96	83.7000	3645972
27.96	92.4900	4028864

Comment:

Node: 06_M_5600_ND

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	3.0400	132422
20.96	4.0300	175547
21.96	5.1600	224770
22.96	22.2800	970517
23.96	87.4700	3810193
24.96	116.3600	5068642
25.96	145.5700	6341029
26.96	182.3600	7943602
28.96	225.4600	9821038

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
33.96	295.8300	12886355

Comment:

Node: MULLET_LAKE

Scenario: Alt1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.58
0	0	0	300.0000	2.58

Comment:

Node: NML0000

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0010	44
2.00	0.0690	3006
2.50	1.8720	81544
3.00	13.4810	587232
3.50	35.1430	1530829
4.00	48.7030	2121503
4.50	55.7580	2428818
5.00	61.5450	2680900
5.50	67.4190	2936772
6.00	73.4470	3199351
6.50	79.8370	3477700
7.00	86.1390	3752215
7.50	91.3410	3978814
8.00	96.1470	4188163
8.50	100.5130	4378346
9.00	105.0230	4574802
9.50	109.6630	4776920

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.00	113.6280	4949636
10.50	116.7300	5084759
11.00	119.6550	5212172
11.50	122.4540	5334096
12.00	124.6500	5429754
12.50	126.4540	5508336
13.00	127.9360	5572892
13.50	129.4860	5640410
14.00	131.1580	5713242
14.50	132.9010	5789168
15.00	134.9130	5876810
15.50	137.0640	5970508
16.00	138.9340	6051965
16.50	140.1880	6106589
17.00	141.0000	6141960
17.50	141.2470	6152719
18.00	141.3110	6155507
18.50	141.3420	6156858
19.00	141.3700	6158077
19.41	141.3740	6158251
-0.30	0.0010	44
1.40	0.0010	44

Comment:

Node: NML0050

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.90 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
7.90	0.0010	44
10.22	0.0120	523
10.72	0.2900	12632
11.22	1.0380	45215
11.72	2.5470	110947
12.22	3.9070	170189
12.72	4.8690	212094
13.22	5.6010	243980
13.72	6.3530	276737
14.22	7.0360	306488
14.72	7.4770	325698
15.22	7.6470	333103
15.72	7.8090	340160

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.22	7.8250	340857
16.72	7.8340	341249
17.22	7.8440	341685
17.48	7.8480	341859

Comment:

Node: NML0100

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.30 ft
Warning Stage: 8.12 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0010	44
4.75	0.0350	1525
5.25	0.1140	4966
5.75	0.2740	11935
6.25	0.4980	21693
6.75	0.9750	42471
7.25	2.1380	93131
7.75	3.5290	153723
8.25	4.9500	215622
8.75	6.3560	276867
9.25	7.4310	323694
9.75	8.3640	364336
10.25	9.2700	403801
10.75	10.3530	450977
11.25	12.0340	524201
11.75	14.0980	614109
12.25	16.1080	701664
12.75	17.7440	772929
13.25	19.4120	845587
13.75	21.3550	930224
14.25	23.2350	1012117
14.75	25.1750	1096623
15.25	27.3310	1190538
15.75	29.1270	1268772
16.25	31.1370	1356328
16.75	32.8780	1432166
17.25	34.8420	1517718
17.75	37.1120	1616599
18.25	39.4660	1719139
18.75	41.7670	1819371
19.25	44.1220	1921954

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
19.75	46.2520	2014737
20.25	48.1680	2098198
20.75	50.3520	2193333
21.25	51.5320	2244734
21.75	52.1010	2269520
22.25	52.4710	2285637
22.75	52.7860	2299358
23.25	53.1400	2314778
23.75	53.3130	2322314
24.25	53.3910	2325712
24.70	53.4180	2326888
3.30	0.0010	44

Comment:

Node: NML0110

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.90 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.0010	44
10.40	0.0700	3049
10.90	0.4090	17816
11.40	1.4300	62291
11.90	2.6860	117002
12.40	3.8070	165833
12.90	4.8760	212399
13.40	5.6170	244677
13.90	6.2930	274123
14.40	7.4180	323128
14.90	8.1220	353794
15.40	8.5300	371567
15.90	8.6920	378624
16.40	8.7850	382675
16.90	8.8510	385550
17.40	8.9040	387858
17.90	8.9320	389078
18.40	8.9500	389862
18.90	8.9560	390123
19.55	8.9600	390298
7.90	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Node: NML0120

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.69 ft
Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
15.04	0.0010	44
15.54	0.0130	566
16.04	0.0480	2091
16.54	0.0980	4269
17.04	0.1620	7057
17.54	0.2300	10019
18.04	0.3000	13068
18.54	0.4020	17511
19.04	0.4990	21736
19.54	0.6120	26659
20.04	0.7350	32017
20.54	0.8300	36155
21.04	0.8720	37984
21.54	0.9010	39248
22.04	0.9300	40511
22.54	0.9500	41382
23.04	0.9690	42210
23.54	0.9890	43081
24.04	1.0020	43647
24.54	1.0170	44301
25.04	1.0390	45259
25.73	1.0520	45825

Comment:

Node: NML0150

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 20.30 ft

Stage [ft]	Area [ac]	Area [ft2]
18.30	0.0010	44
18.80	1.0330	44997
19.30	1.2550	54668
19.80	2.0080	87468
20.30	2.8720	125104
20.80	6.2140	270682

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.30	12.5080	544848
21.80	15.6940	683631
22.30	17.9430	781597
22.80	19.5320	850814
23.30	20.4330	890061
23.80	20.9720	913540
24.30	21.6770	944250
24.80	22.2490	969166
25.30	22.4460	977748
25.80	22.5770	983454
26.30	22.7590	991382
26.80	22.9290	998787
27.30	22.9980	1001793
27.96	23.0020	1001967

Comment:

Node: NML0200

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.10 ft
Warning Stage: 5.55 ft

Stage [ft]	Area [ac]	Area [ft2]
3.01	0.0010	44
3.51	0.0110	479
4.01	0.0350	1525
4.51	0.0960	4182
5.01	0.2360	10280
5.51	0.5400	23522
6.01	1.4910	64948
6.51	3.3320	145142
7.01	8.2170	357933
7.51	14.8390	646387
8.01	20.8740	909271
8.51	26.2620	1143973
9.01	31.8700	1388257
9.51	36.6300	1595603
10.01	40.8880	1781081
10.51	44.9020	1955931
11.01	47.7970	2082037
11.51	49.6500	2162754
12.01	51.0070	2221865
12.51	52.3310	2279538
13.01	53.7660	2342047

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
13.51	55.2940	2408607
14.01	56.8520	2476473
14.51	57.5730	2507880
15.01	57.9610	2524781
15.51	58.2480	2537283
16.01	58.3090	2539940
16.47	58.3170	2540289

Comment:

Node: NML0210

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0490	2134
6.45	0.0890	3877
6.95	1.7010	74096
7.45	5.5070	239885
7.95	12.2730	534612
8.45	18.6630	812960
8.95	24.2790	1057593
9.45	29.2130	1272518
9.95	33.9910	1480648
10.45	40.5850	1767883
10.95	44.7890	1951009
11.45	48.5690	2115666
11.95	51.8240	2257453
12.45	53.2980	2321661
12.95	54.0350	2353765
13.45	54.5870	2377810
13.95	55.0500	2397978
14.45	55.4250	2414313
14.95	55.6940	2426031
15.45	55.8170	2431389
15.95	55.8700	2433697
16.41	55.8860	2434394
5.40	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Node: NML0220

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.80 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
6.82	0.0010	44
7.32	0.0340	1481
7.82	0.3880	16901
8.32	0.9840	42863
8.82	1.6530	72005
9.32	2.1770	94830
9.82	3.1720	138172
10.32	5.6270	245112
10.82	9.1660	399271
11.32	13.7940	600867
11.82	18.1200	789307
12.32	22.1890	966553
12.82	25.7450	1121452
13.32	29.6650	1292207
13.82	32.9250	1434213
14.32	34.3710	1497201
14.82	35.0220	1525558
15.32	35.5150	1547033
15.82	35.8480	1561539
16.32	35.9390	1565503
16.82	35.9730	1566984
17.32	35.9820	1567376

Comment:

Node: NML0300

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.84 ft
Warning Stage: 11.70 ft

Stage [ft]	Area [ac]	Area [ft2]
7.34	0.0010	44
7.84	0.0250	1089
8.34	0.1290	5619
8.84	0.2340	10193
9.34	0.3920	17076
9.84	0.5570	24263

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.34	0.7250	31581
10.84	0.9070	39509
11.34	1.1020	48003
11.84	1.3150	57281
12.34	1.5550	67736
12.84	1.7720	77188
13.34	2.0140	87730
13.84	2.2620	98533
14.34	2.5650	111731
14.84	2.8820	125540
15.34	3.2880	143225
15.84	3.9890	173761
16.34	5.4370	236836
16.84	6.9250	301653
17.34	7.9490	346258
17.84	8.9010	387728
18.34	10.0230	436602
18.84	11.6250	506385
19.34	13.3920	583356
19.84	15.0760	656711
20.34	17.2090	749624
20.84	19.5640	852208
21.34	22.5730	983280
21.84	26.0950	1136698
22.34	29.0320	1264634
22.84	31.3410	1365214
23.34	33.1320	1443230
23.84	35.1820	1532528
24.34	36.9290	1608627
24.84	37.8410	1648354
25.34	38.4440	1674621
25.84	38.6980	1685685
26.34	38.8080	1690476
26.67	38.8230	1691130

Comment:

Node: NML0310

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.66 ft
Warning Stage: 20.10 ft

Stage [ft]	Area [ac]	Area [ft2]
19.66	1.0680	46522

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.16	1.0840	47219
20.66	1.1060	48177
21.16	1.1290	49179
21.66	1.1530	50225
22.16	1.2110	52751
22.66	1.3690	59634
23.16	1.8270	79584
23.66	2.9260	127457
24.16	4.7360	206300
24.66	7.7310	336762
25.16	9.1530	398705
25.72	9.3910	409072

Comment:

Node: NML0400

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.10 ft
Warning Stage: 12.20 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0010	44
9.82	0.0140	610
10.32	0.0350	1525
10.82	0.0770	3354
11.32	0.1250	5445
11.82	0.1780	7754
12.32	0.2800	12197
12.82	0.3940	17163
13.32	0.5180	22564
13.82	0.6550	28532
14.32	0.7990	34804
14.82	0.9930	43255
15.32	1.2940	56367
15.82	1.8880	82241
16.32	2.6320	114650
16.82	3.1770	138390
17.32	3.6010	156860
17.82	3.9540	172236
18.32	4.2880	186785
18.82	4.5220	196978
19.32	4.7940	208827
19.82	5.1220	223114
20.32	5.4130	235790

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.82	5.6730	247116
21.32	5.7440	250209
21.75	5.7540	250644

Comment:

Node: NML0410

Scenario: Alt1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 13.83 ft
 Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
12.86	0.0010	44
13.36	0.0650	2831
13.86	2.3670	103107
14.36	8.5900	374180
14.86	15.7800	687377
15.36	21.3510	930050
15.86	25.3410	1103854
16.36	28.5390	1243159
16.86	31.6400	1378238
17.36	34.6440	1509093
17.86	37.1850	1619779
18.36	39.8450	1735648
18.86	43.0860	1876826
19.36	46.6690	2032902
19.86	50.4260	2196557
20.36	54.7800	2386217
20.86	60.2240	2623357
21.36	67.5530	2942609
21.86	75.5090	3289172
22.36	83.1740	3623059
22.86	91.3130	3977594
23.36	102.0060	4443381
23.86	112.4190	4896972
24.36	123.8010	5392772
24.86	140.0460	6100404
25.36	174.2800	7591637
25.86	216.8760	9447119
26.36	252.2660	10988707
26.86	289.1130	12593762
27.36	315.9300	13761911
27.86	330.3960	14392050
28.36	340.2480	14821203

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.86	349.4620	15222565
29.36	358.3800	15611033
29.86	365.9130	15939170
30.36	371.4710	16181277
30.86	374.7100	16322368
31.36	377.3980	16439457
31.86	379.3460	16524312
32.36	380.5620	16577281
32.86	381.2610	16607729
33.36	381.6060	16622757
33.86	381.7280	16628072
34.36	381.7420	16628682
34.86	381.7490	16628986
35.58	381.7580	16629378

Comment:

Node: NML0420

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.90 ft
Warning Stage: 26.70 ft

Stage [ft]	Area [ac]	Area [ft2]
19.17	0.0010	44
19.67	0.0010	44
20.17	0.0650	2831
20.67	0.8740	38071
21.17	3.6030	156947
21.67	7.3200	318859
22.17	11.8740	517231
22.67	18.6690	813222
23.17	27.0950	1180258
23.67	36.9290	1608627
24.17	49.0380	2136095
24.67	64.7770	2821686
25.17	83.8940	3654423
25.67	109.0400	4749782
26.17	134.2810	5849280
26.67	152.2940	6633927
27.17	163.5570	7124543
27.67	170.9870	7448194
28.17	177.0420	7711950
28.67	185.0510	8060822
29.17	194.1250	8456085

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
29.67	201.0040	8755734
30.17	209.4950	9125602
30.67	216.3410	9423814
31.17	223.0020	9713967
31.67	227.7400	9920354
32.17	233.0580	10152006
32.67	239.8120	10446211
33.17	245.6980	10702605
33.67	250.1250	10895445
34.17	254.0920	11068248
34.67	259.0960	11286222
35.17	263.9100	11495920
35.67	266.9280	11627384
36.17	269.1900	11725916
36.67	271.2850	11817175
37.17	273.7430	11924245
37.67	275.6160	12005833
38.17	277.0970	12070345
38.67	278.5350	12132985
39.17	280.1680	12204118
39.67	281.8330	12276645
40.17	283.6970	12357841
40.67	285.5110	12436859
41.17	287.3130	12515354
41.67	288.9460	12586488
42.17	290.4970	12654049
42.67	291.9700	12718213
43.17	293.4380	12782159
43.67	294.7990	12841444
44.17	296.1790	12901557
44.67	297.6530	12965765
45.17	299.3400	13039250
45.67	301.2920	13124280
46.17	303.1410	13204822
46.67	304.9690	13284450
47.17	306.6100	13355932
47.67	307.8470	13409815
48.17	308.7460	13448976
48.67	309.5480	13483911
49.17	310.3410	13518454
49.67	311.2020	13555959
50.17	311.9580	13588890
50.67	312.3050	13604006
51.17	312.4950	13612282
51.67	312.5570	13614983
51.99	312.5670	13615419

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Node: NML0430

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.87 ft
Warning Stage: 32.50 ft

Stage [ft]	Area [ac]	Area [ft2]
26.46	0.0010	44
26.96	0.2250	9801
27.46	0.2840	12371
27.96	0.3470	15115
28.46	0.4960	21606
28.96	0.7500	32670
29.46	1.3750	59895
29.96	4.0820	177812
30.46	6.9390	302263
30.96	8.7190	379800
31.46	10.6440	463653
31.96	12.6940	552951
32.46	14.7470	642379
32.96	16.6710	726189
33.46	18.8350	820453
33.96	21.2620	926173
34.46	23.8150	1037381
34.96	26.7300	1164359
35.46	29.8440	1300005
35.96	32.0930	1397971
36.46	33.8410	1474114
36.96	34.9770	1523598
37.46	35.7970	1559317
37.96	36.5690	1592946
38.46	37.4010	1629188
38.96	38.0880	1659113
39.46	38.8300	1691435
39.96	39.6100	1725412
40.46	40.5670	1767099
40.96	41.6710	1815189
41.46	42.6910	1859620
41.96	43.5140	1895470
42.46	44.3790	1933149
42.96	45.3340	1974749
43.46	46.3410	2018614
43.96	47.5120	2069623
44.46	49.0470	2136487
44.96	50.4110	2195903
45.46	51.7020	2252139
45.96	53.0460	2310684
46.46	54.5110	2374499

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
46.96	56.5080	2461488
47.46	58.8590	2563898
47.96	61.1750	2664783
48.46	63.2060	2753253
48.96	65.5340	2854661
49.46	67.8250	2954457
49.96	70.7010	3079736
50.46	73.1890	3188113
50.96	75.5120	3289303
51.46	77.7280	3385832
51.96	80.1910	3493120
52.46	83.1540	3622188
52.96	85.5400	3726122
53.46	88.0530	3835589
53.96	90.9360	3961172
54.46	93.6170	4077957
54.96	96.4150	4199837
55.46	99.1800	4320281
55.96	102.5050	4465118
56.46	105.0670	4576719
56.96	107.0270	4662096
57.46	108.6720	4733752
57.96	110.0950	4795738
58.46	111.8200	4870879
58.96	113.8300	4958435
59.46	115.7220	5040850
59.96	117.2130	5105798
60.46	118.4410	5159290
60.96	119.4080	5201412
61.46	120.1950	5235694
61.96	120.9950	5270542
62.46	121.9040	5310138
62.96	122.6620	5343157
63.46	123.3380	5372603
63.96	124.0140	5402050
64.46	124.5580	5425746
64.96	125.1770	5452710
65.46	125.7820	5479064
65.96	126.2990	5501584
66.46	126.7720	5522188
66.96	127.2910	5544796
67.46	127.7850	5566315
67.96	128.2070	5584697
68.46	128.5730	5600640
68.96	128.9280	5616104
69.46	129.2970	5632177
69.96	129.6420	5647206
70.46	129.9720	5661580

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
70.96	130.2970	5675737
71.46	130.6660	5691811
71.96	131.0090	5706752
72.46	131.3180	5720212
72.96	131.5230	5729142
73.46	131.7020	5736939
73.96	131.8230	5742210
74.46	131.9520	5747829
74.96	132.0710	5753013
75.46	132.1390	5755975
75.96	132.1570	5756759
76.31	132.1590	5756846

Comment:

Node: NML0500

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 12.50 ft

Stage [ft]	Area [ac]	Area [ft2]
8.50	0.0010	44
9.01	0.0010	44
9.51	0.0300	1307
10.01	0.1160	5053
10.51	0.3680	16030
11.01	1.2950	56410
11.51	2.8890	125845
12.01	4.7260	205865
12.51	7.4760	325655
13.01	11.3190	493056
13.51	15.3100	666904
14.01	18.3310	798498
14.51	21.0570	917243
15.01	23.7430	1034245
15.51	25.9380	1129859
16.01	27.7950	1210750
16.51	30.1850	1314859
17.01	32.0350	1395445
17.51	33.1280	1443056
18.01	33.7440	1469889
18.51	34.1450	1487356
19.01	34.5070	1503125
19.51	34.7540	1513884

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.01	34.8320	1517282
20.51	34.8590	1518458
21.01	34.8700	1518937
21.14	34.8700	1518937

Comment:

Node: NML0510

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.20 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.20	0.0010	44
8.43	0.0300	1307
8.93	0.0620	2701
9.43	0.4140	18034
9.93	0.9660	42079
10.43	1.3860	60374
10.93	2.1730	94656
11.43	3.0020	130767
11.93	4.1360	180164
12.43	5.5850	243283
12.93	6.8340	297689
13.43	8.0170	349221
13.93	8.6700	377665
14.43	8.8820	386900
14.93	8.9970	391909
15.43	9.0660	394915
15.93	9.1030	396527
16.56	9.1110	396875

Comment:

Node: NML0520

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 9.80 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
5.50	0.0010	44
8.70	0.0370	1612
9.20	0.5750	25047
9.70	1.7370	75664
10.20	3.7410	162958
10.70	6.7910	295816
11.20	10.3560	451107
11.70	13.9580	608010
12.20	17.0080	740868
12.70	19.5060	849681
13.20	21.9820	957536
13.70	23.8880	1040561
14.20	24.9350	1086169
14.70	25.4420	1108254
15.20	25.7630	1122236
15.70	25.8410	1125634
16.27	25.8490	1125982

Comment:

Node: NML0530

Scenario: Alt1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.80 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.80	0.0010	44
7.65	0.0200	871
8.15	0.0380	1655
8.65	0.1350	5881
9.15	0.3950	17206
9.65	1.0210	44475
10.15	1.5810	68868
10.65	2.0450	89080
11.15	2.6540	115608
11.65	3.3450	145708
12.15	4.0670	177159
12.65	4.9940	217539
13.15	7.2430	315505
13.65	10.0150	436253
14.15	13.3540	581700
14.65	16.9240	737209
15.15	22.0440	960237
15.65	27.8010	1211012

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.15	34.4670	1501383
16.65	40.2220	1752070
17.15	45.0370	1961812
17.65	49.0770	2137794
18.15	52.4290	2283807
18.65	55.2110	2404991
19.15	57.7250	2514501
19.65	59.8640	2607676
20.15	61.6860	2687042
20.65	63.2640	2755780
21.15	64.4990	2809576
21.65	65.7310	2863242
22.15	67.0510	2920742
22.65	68.2010	2970836
23.15	69.7170	3036873
23.65	71.4390	3111883
24.15	72.5830	3161715
24.65	73.6960	3210198
25.15	74.5150	3245873
25.65	74.7990	3258244
26.15	74.8870	3262078
26.65	74.9430	3264517
27.15	74.9830	3266259
27.65	75.0150	3267653
28.40	75.0330	3268437

Comment:

Channel Link: 06_M_0110_LC		Upstream	Downstream
Scenario:	Alt1	Invert: 1.40 ft	Invert: -0.04 ft
From Node:	06_M_0110_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0100_NT	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0110_XC_1	Cross Section: 06_M_0110_XC_2
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1650.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	1.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0110_NE_W1		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	9.98 ft	Discharge Coefficients
Control Elevation:	9.98 ft	Weir Default: 2.800
Cross Section:	06_M_0110_NE_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0110_NE_W2		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	06_M_0100_NT	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:	Rectangular	Ref Node:
Invert:	10.70 ft	Discharge Coefficients
Control Elevation:	10.70 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0120_LP		
Scenario:	Alt1	Invert: 2.86 ft
From Node:	06_M_0120_NS	Manning's N: 0.0240
To Node:	06_M_0110_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Circular
Flow Direction:	Both	Max Depth: 4.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	72.00 ft	Default: 0.00 ft
FHWA Code:	5	Op Table:
Entr Loss Coef:	0.70	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_0120_NS_W1

Scenario: Alt1

Bottom Clip

From Node: 06_M_0120_NS

Default: 0.00 ft

To Node: 06_M_0110_NE

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: 10.42 ft

Discharge Coefficients

Control Elevation: 10.42 ft

Weir Default: 2.800

Cross Section: 06_M_0120_NS_W1X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0120_NS_W2

Scenario: Alt1

Bottom Clip

From Node: 06_M_0120_NS

Default: 0.00 ft

To Node: 06_M_0100_NT

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: 10.15 ft

Discharge Coefficients

Control Elevation: 10.15 ft

Weir Default: 2.800

Cross Section: 06_M_0120_NS_W2X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0125_LP

Upstream

Downstream

Scenario: Alt1

Invert: 5.08 ft

Invert: 3.61 ft

From Node: 06_M_0125_NS

Manning's N: 0.0240

Manning's N: 0.0240

To Node: 06_M_0120_NS

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Flow Direction: Both

Damping: 0.0000 ft

Length: 47.00 ft

FHWA Code: 4

Entr Loss Coef: 0.50

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

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

Comment:

Weir Link: 06_M_0125_NS_W1

Scenario: Alt1

From Node: 06_M_0125_NS

To Node: MULLET_LAKE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.18 ft

Control Elevation: 10.18 ft

Cross Section: 06_M_0125_NS_W1X

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: 06_M_0125_NS_W2

Scenario: Alt1

From Node: 06_M_0125_NS

To Node: 06_M_0120_NS

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.72 ft

Control Elevation: 10.72 ft

Cross Section: 06_M_0125_NS_W2X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0125_NS_W3		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0125_NS	Default: 0.00 ft
To Node:	06_M_0110_NE	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:	10.52 ft	Discharge Coefficients
Control Elevation:	10.52 ft	Weir Default: 2.800
Cross Section:	06_M_0125_NS_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0130_LC		
	Upstream	Downstream
Scenario:	Alt1	Invert: 3.46 ft
From Node:	06_M_0130_NC	Invert: 2.86 ft
To Node:	06_M_0120_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	275.00 ft	Cross Section: 06_M_0130_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0130_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0130_NC_W1		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0130_NC	Default: 0.00 ft
To Node:	06_M_0120_NS	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:	9.36 ft	Discharge Coefficients
Control Elevation:	9.36 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Cross Section: 06_M_0130_NC_W1X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0130_NC_W2

Scenario: Alt1	Bottom Clip
From Node: 06_M_0130_NC	Default: 0.00 ft
To Node: 06_M_0125_NS	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: 11.11 ft	Discharge Coefficients
Control Elevation: 11.11 ft	Weir Default: 2.800
Cross Section: 06_M_0130_NC_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Channel Link: 06_M_0140_LC

	Upstream	Downstream
Scenario: Alt1	Invert: 3.98 ft	Invert: 3.46 ft
From Node: 06_M_0140_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0130_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0140_XC_1	Cross Section: 06_M_0140_XC_2
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 290.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Pipe Link: 06_M_0145_LP

	Upstream	Downstream
Scenario: Alt1	Invert: 7.14 ft	Invert: 5.62 ft
From Node: 06_M_0145_NS	Manning's N: 0.0240	Manning's N: 0.0240

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

To Node:	06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	80.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: 06_M_0145_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0140_NE	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:	10.44 ft	Discharge Coefficients	
Control Elevation:	10.44 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0145_NS_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0100_NT	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:	10.42 ft	Discharge Coefficients	
Control Elevation:	10.42 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Pipe Link: 06_M_0200_LP		
	Upstream	Downstream
Scenario: Alt1	Invert: 3.93 ft	Invert: 3.98 ft
From Node: 06_M_0200_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 58.00 ft	Op Table:	Op Table:
FHWA Code: 4	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0200_NS_W1		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_0200_NS	Default: 0.00 ft	
To Node: 06_M_0145_NS	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: 10.79 ft	Discharge Coefficients	
Control Elevation: 10.79 ft	Weir Default: 2.800	
Cross Section: 06_M_0200_NS_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0200_NS_W2		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_0200_NS	Default: 0.00 ft	
To Node: 06_M_0125_NS	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.07 ft
 Control Elevation: 13.07 ft
 Cross Section: 06_M_0200_NS_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: 06_M_0200_NS_W3

Scenario: Alt1
 From Node: 06_M_0200_NS
 To Node: 06_M_0220_NS
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Paved Road Vertical
 Geometry Type: Irregular
 Invert: 13.07 ft
 Control Elevation: 13.07 ft
 Cross Section: 06_M_0200_NS_W3X

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: 06_M_0205_NE_W1

Scenario: Alt1
 From Node: 06_M_0205_NE
 To Node: 06_M_0210_NE
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 7.49 ft
 Control Elevation: 7.49 ft
 Cross Section: 06_M_0205_NE_W1X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0205_NE_W2		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.20 ft	Discharge Coefficients
Control Elevation:	11.20 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0205_NE_W3		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.06 ft	Discharge Coefficients
Control Elevation:	11.06 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0210_LC		
Scenario:	Alt1	Invert: 4.01 ft
From Node:	06_M_0210_NE	Invert: 3.93 ft
To Node:	06_M_0200_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	440.00 ft	Cross Section: 06_M_0210_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0210_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0210_NE_W2

Scenario: Alt1	Bottom Clip
From Node: 06_M_0210_NE	Default: 0.00 ft
To Node: 06_M_0200_NS	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: 12.24 ft	Discharge Coefficients
Control Elevation: 12.24 ft	Weir Default: 2.800
Cross Section: 06_M_0210_NE_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: 06_M_0220_LP

	Upstream	Downstream
Scenario: Alt1	Invert: 3.96 ft	Invert: 4.01 ft
From Node: 06_M_0220_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0210_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 4	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0220_NS_W1

Scenario: Alt1	Bottom Clip
From Node: 06_M_0220_NS	Default: 0.00 ft
To Node: 06_M_0210_NE	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.41 ft
Control Elevation: 12.41 ft
Cross Section: 06_M_0220_NS_W1X

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: 06_M_0220_NS_W2

Scenario: Alt1
From Node: 06_M_0220_NS
To Node: 06_M_0125_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.43 ft
Control Elevation: 11.43 ft
Cross Section: 06_M_0220_NS_W2X

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: 06_M_0220_NS_W3

Scenario: Alt1
From Node: 06_M_0220_NS
To Node: NML0220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.97 ft
Control Elevation: 9.97 ft
Cross Section: 06_M_0220_NS_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Channel Link: 06_M_0230_LC			Upstream	Downstream
Scenario:	Alt1	Invert:	5.36 ft	Invert: 3.96 ft
From Node:	06_M_0230_NE	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0220_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0230_XC_1	Cross Section: 06_M_0230_XC_2
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	240.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			

Comment:

Pipe Link: 06_M_0240_LP			Upstream	Downstream
Scenario:	Alt1	Invert:	5.72 ft	Invert: 5.84 ft
From Node:	06_M_0240_NS	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	06_M_0230_NE	Geometry:	Circular	Geometry: Circular
Link Count:	2	Max Depth:	5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	28.00 ft	Op Table:		Op Table:
FHWA Code:	4	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 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0240_NS_W1			Bottom Clip
Scenario:	Alt1	Default:	0.00 ft
From Node:	06_M_0240_NS	Op Table:	
To Node:	06_M_0230_NE	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	11.71 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Control Elevation: 11.71 ft

Cross Section: 06_M_0240_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0240_NS_W2

Scenario: Alt1

From Node: 06_M_0240_NS

To Node: 06_M_0210_NE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.20 ft

Control Elevation: 13.20 ft

Cross Section: 06_M_0240_NS_W2X

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:

Channel Link: 06_M_0250_LC

Upstream

Downstream

Scenario: Alt1

Invert: 4.63 ft

Invert: 5.64 ft

From Node: 06_M_0250_NE

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0240_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0250_XC

Cross Section: 06_M_0250_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 180.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Pipe Link: 06_M_0260_LP

Upstream

Downstream

Scenario: Alt1

Invert: 4.92 ft

Invert: 5.02 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

From Node:	06_M_0260_NS	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0250_NE	Geometry:	Circular	Geometry:	Circular
Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: 06_M_0260_NS_W1		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0260_NS	Default: 0.00 ft
To Node:	06_M_0250_NE	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:	11.71 ft	Discharge Coefficients
Control Elevation:	11.71 ft	Weir Default: 2.800
Cross Section:	06_M_0260_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0260_NS_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0260_NS	Default:	0.00 ft
To Node:	NML0220	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:	11.72 ft	Discharge Coefficients	
Control Elevation:	11.72 ft	Weir Default:	2.800
Cross Section:	06_M_0260_NS_W2X	Weir Table:	
		Orifice Default:	0.600

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Table:

Comment:

Weir Link: 06_M_0260_NS_W3

Scenario: Alt1
From Node: 06_M_0260_NS
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.56 ft
Control Elevation: 13.56 ft
Cross Section: 06_M_0260_NS_W3X

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:

Channel Link: 06_M_0270_LC

Scenario: Alt1
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 370.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 5.38 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_1

Downstream

Invert: 4.92 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_2

Comment:

Weir Link: 06_M_0270_NC_W1

Scenario: Alt1
From Node: 06_M_0270_NC
To Node: NML0220
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.34 ft
Control Elevation: 12.34 ft
Cross Section: 06_M_0270_NC_W1X

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: 06_M_0270_NC_W2

Scenario: Alt1
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.42 ft
Control Elevation: 11.42 ft
Cross Section: 06_M_0270_NC_W2X

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: 06_M_0270_NC_W3

Scenario: Alt1
From Node: 06_M_0270_NC
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.27 ft
Control Elevation: 14.27 ft
Cross Section: 06_M_0270_NC_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0270_NC_W4		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0270_NC	Default: 0.00 ft
To Node:	06_M_0205_NE	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:	14.52 ft	Discharge Coefficients
Control Elevation:	14.52 ft	Weir Default: 2.800
Cross Section:	06_M_0270_NC_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0280_LC		
	Upstream	Downstream
Scenario:	Alt1	Invert: 5.84 ft
From Node:	06_M_0280_NE	Manning's N: 0.0000
To Node:	06_M_0270_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0280_XC_1
Length:	413.00 ft	Cross Section: 06_M_0280_XC_2
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Pipe Link: 06_M_0290_LP		
	Upstream	Downstream
Scenario:	Alt1	Invert: 5.47 ft
From Node:	06_M_0290_NS	Invert: 5.84 ft
To Node:	06_M_0280_NE	Manning's N: 0.0240
Link Count:	2	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	26.00 ft	Max Depth: 3.00 ft
FHWA Code:	6	Max Depth: 3.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
		Op Table:
		Ref Node:
		Manning's N: 0.0000
		Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

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

Comment:

Weir Link: 06_M_0290_NS_W1

Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0280_NE	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:	13.41 ft	Discharge Coefficients	
Control Elevation:	13.41 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W2

Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	NML0220	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:	12.21 ft	Discharge Coefficients	
Control Elevation:	12.21 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W3

Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 15.07 ft
 Control Elevation: 15.07 ft
 Cross Section: 06_M_0290_NS_W3X

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:

Channel Link: 06_M_0300_LC	Upstream	Downstream
Scenario: Alt1	Invert: 5.74 ft	Invert: 5.47 ft
From Node: 06_M_0300_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0290_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0300_XC	Cross Section: 06_M_0300_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 500.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0300_NC_W1	Bottom Clip
Scenario: Alt1	Default: 0.00 ft
From Node: 06_M_0300_NC	Op Table:
To Node: NML0220	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Broad Crested Vertical	Ref Node:
Geometry Type: Irregular	Discharge Coefficients
Invert: 13.12 ft	Weir Default: 2.800
Control Elevation: 13.12 ft	Weir Table:
Cross Section: 06_M_0300_NC_W1X	Orifice Default: 0.600
	Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Weir Link: 06_M_0300_NC_W2		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0300_NC	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	12.90 ft	Discharge Coefficients
Control Elevation:	12.90 ft	Weir Default: 2.800
Cross Section:	06_M_0300_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0310_LC		
Scenario:	Alt1	Invert: 5.86 ft
From Node:	06_M_0310_NC	Manning's N: 0.0000
To Node:	06_M_0300_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0310_XC
Length:	418.00 ft	Cross Section: 06_M_0310_XC
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Weir Link: 06_M_0310_NC_W1		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0310_NC	Default: 0.00 ft
To Node:	NML0220	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.83 ft
 Control Elevation: 13.83 ft
 Cross Section: 06_M_0310_NC_W1X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: 06_M_0310_NC_W2

Scenario: Alt1
 From Node: 06_M_0310_NC
 To Node: 06_M_0300_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.13 ft
 Control Elevation: 13.13 ft
 Cross Section: 06_M_0310_NC_W2X

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:

Pipe Link: 06_M_0315_LP

Scenario: Alt1
 From Node: 06_M_0315_NS
 To Node: 06_M_0310_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 55.00 ft
 FHWA Code: 31
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Upstream	Downstream
Invert: 9.55 ft	Invert: 7.76 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Max Depth: 2.00 ft	Max Depth: 2.00 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0315_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	13.09 ft	Discharge Coefficients	
Control Elevation:	13.09 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0315_NS_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0310_NC	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:	15.81 ft	Discharge Coefficients	
Control Elevation:	15.81 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0315_NS_W3			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0300_NC	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:	15.38 ft	Discharge Coefficients	
Control Elevation:	15.38 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W3X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0315_NS_W4

Scenario: Alt1	Bottom Clip
From Node: 06_M_0315_NS	Default: 0.00 ft
To Node: 06_M_0290_NS	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: 15.24 ft	Discharge Coefficients
Control Elevation: 15.24 ft	Weir Default: 2.800
Cross Section: 06_M_0315_NS_W4X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Channel Link: 06_M_0320_LC

	Upstream	Downstream
Scenario: Alt1	Invert: 6.00 ft	Invert: 5.86 ft
From Node: 06_M_0320_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0310_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0320_XC	Cross Section: 06_M_0320_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 166.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Pipe Link: 06_M_0400_LP

	Upstream	Downstream
Scenario: Alt1	Invert: 6.26 ft	Invert: 6.00 ft
From Node: 06_M_0400_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0320_NE	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_0400_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0400_NS	Default:	0.00 ft
To Node:	06_M_0320_NE	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:	13.75 ft	Discharge Coefficients	
Control Elevation:	13.75 ft	Weir Default:	2.800
Cross Section:	06_M_0400_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0400_NS_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0400_NS	Default:	0.00 ft
To Node:	06_M_0315_NS	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:	15.76 ft	Discharge Coefficients	
Control Elevation:	15.76 ft	Weir Default:	2.800
Cross Section:	06_M_0400_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Channel Link: 06_M_0410_LC			Upstream	Downstream
Scenario:	Alt1	Invert:	6.76 ft	Invert: 6.26 ft
From Node:	06_M_0410_NC	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0400_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0410_XC	Cross Section: 06_M_0410_XC
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	400.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			

Comment:

Weir Link: 06_M_0410_NC_W1			Bottom Clip
Scenario:	Alt1	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0220	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.98 ft	Weir Default:	2.800
Control Elevation:	13.98 ft	Weir Table:	
Cross Section:	06_M_0410_NC_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0410_NC_W2			Bottom Clip
Scenario:	Alt1	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0520	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.33 ft	Weir Default:	2.800
Control Elevation:	13.33 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Cross Section: 06_M_0410_NC_W2X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0410_NC_W3

Scenario: Alt1
From Node: 06_M_0410_NC
To Node: 06_M_0310_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.91 ft
Control Elevation: 13.91 ft
Cross Section: 06_M_0410_NC_W3X

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: 06_M_0410_NC_W4

Scenario: Alt1
From Node: 06_M_0410_NC
To Node: 06_M_0400_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.42 ft
Control Elevation: 13.42 ft
Cross Section: 06_M_0410_NC_W4X

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:

Channel Link: 06_M_0420_LC

Scenario: Alt1
From Node: 06_M_0420_NC
To Node: 06_M_0410_NC

Upstream
Invert: 7.26 ft
Manning's N: 0.0000
Geometry: Irregular

Downstream
Invert: 6.76 ft
Manning's N: 0.0000
Geometry: Irregular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	1	Cross Section:	06_M_0420_XC	Cross Section:	06_M_0420_XC
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	427.00 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Comment:

Weir Link: 06_M_0420_NC_W1

Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0420_NC	Default:	0.00 ft
To Node:	06_M_0410_NC	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:	13.90 ft	Discharge Coefficients	
Control Elevation:	13.90 ft	Weir Default:	2.800
Cross Section:	06_M_0420_NC_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: 06_M_0425_LP

	Upstream	Downstream		
Scenario:	Alt1			
	Invert:	11.00 ft		
	Invert:	9.06 ft		
From Node:	06_M_0425_NS	Manning's N:	0.0240	
	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0420_NC	Geometry:	Circular	
	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	
	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	
	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		
	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		
	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	Manning's N:	0.0000	
	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip		
	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		
	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		
	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	
	Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Weir Link: 06_M_0425_NS_W1

Scenario:	Alt1	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0315_NS	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:	12.04 ft	Discharge Coefficients
Control Elevation:	12.04 ft	Weir Default: 2.800
Cross Section:	06_M_0425_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W2

Scenario:	Alt1	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0420_NC	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:	15.12 ft	Discharge Coefficients
Control Elevation:	15.12 ft	Weir Default: 2.800
Cross Section:	06_M_0425_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W3

Scenario:	Alt1	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0410_NC	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Geometry Type: Irregular
 Invert: 15.56 ft
 Control Elevation: 15.56 ft
 Cross Section: 06_M_0425_NS_W3X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: 06_M_0430_LC		Upstream	Downstream
Scenario:	Alt1	Invert: 6.84 ft	Invert: 7.26 ft
From Node:	06_M_0430_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0420_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0430_XC	Cross Section: 06_M_0430_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	465.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0430_NE_W1		Bottom Clip
Scenario:	Alt1	Default: 0.00 ft
From Node:	06_M_0430_NE	Op Table:
To Node:	NML0050	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	11.83 ft	Weir Default: 2.800
Control Elevation:	11.83 ft	Weir Table:
Cross Section:	06_M_0430_NE_W1X	Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Pipe Link: 06_M_0500_LP1		Upstream	Downstream
Scenario:	Alt1	Invert: 7.27 ft	Invert: 6.84 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: 06_M_0500_LP2		Upstream	Downstream
Scenario:	Alt1	Invert: 7.18 ft	Invert: 6.91 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: 06_M_0500_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0500_NS	Default:	0.00 ft
To Node:	06_M_0430_NE	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:	12.60 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Control Elevation: 12.60 ft

Cross Section: 06_M_0500_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0500_NS_W2

Scenario: Alt1

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Rectangular

Invert: 12.30 ft

Control Elevation: 12.30 ft

Max Depth: 9999.00 ft

Max Width: 270.00 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: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0500_NS_W3

Scenario: Alt1

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Rectangular

Invert: 13.00 ft

Control Elevation: 13.00 ft

Max Depth: 9999.00 ft

Max Width: 540.00 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: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: 06_M_0510_LC

Upstream

Downstream

Scenario: Alt1

Invert: 8.13 ft

Invert: 7.18 ft

From Node: 06_M_0510_NC

Manning's N: 0.0000

Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

To Node:	06_M_0500_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0510_XC	Cross Section: 06_M_0510_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	565.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0510_NC_W1

Scenario:	Alt1	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	NML0110	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:	13.79 ft	Discharge Coefficients
Control Elevation:	13.79 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0510_NC_W2

Scenario:	Alt1	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	06_M_0500_NS	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:	12.60 ft	Discharge Coefficients
Control Elevation:	12.60 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Channel Link: 06_M_0520_LC		
	Upstream	Downstream
Scenario: Alt1	Invert: 8.57 ft	Invert: 8.13 ft
From Node: 06_M_0520_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0510_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0520_XC	Cross Section: 06_M_0520_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 395.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0520_NC_W1		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: NML0110	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: 14.42 ft	Discharge Coefficients	
Control Elevation: 14.42 ft	Weir Default: 2.800	
Cross Section: 06_M_0520_NC_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0520_NC_W2		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: 06_M_0510_NC	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 14.06 ft
 Control Elevation: 14.06 ft
 Cross Section: 06_M_0520_NC_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: 06_M_0525_LP			Upstream	Downstream
Scenario:	Alt1	Invert:	10.53 ft	Invert: 9.50 ft
From Node:	06_M_0525_NS	Manning's N:	0.0120	Manning's N: 0.0120
To Node:	06_M_0520_NC	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	51.00 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:	0.00	Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0525_NS_W1			Bottom Clip
Scenario:	Alt1	Default:	0.00 ft
From Node:	06_M_0525_NS	Op Table:	
To Node:	06_M_0425_NS	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.49 ft	Weir Default:	2.800
Control Elevation:	13.49 ft	Weir Table:	
Cross Section:	06_M_0525_NS_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0525_NS_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	14.00 ft	Discharge Coefficients	
Control Elevation:	14.00 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W3			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0520_NC	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:	14.99 ft	Discharge Coefficients	
Control Elevation:	14.99 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W3X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W4			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0500_NS	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:	15.34 ft	Discharge Coefficients	
Control Elevation:	15.34 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W4X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0525_NS_W5

Scenario: Alt1
From Node: 06_M_0525_NS
To Node: 06_M_0510_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.19 ft
Control Elevation: 15.19 ft
Cross Section: 06_M_0525_NS_W5X

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: 06_M_0525_NS_W6

Scenario: Alt1
From Node: 06_M_0525_NS
To Node: 06_M_0420_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.58 ft
Control Elevation: 15.58 ft
Cross Section: 06_M_0525_NS_W6X

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: 06_M_0525_NS_W7

Scenario: Alt1
From Node: 06_M_0525_NS
To Node: 06_M_0315_NS
Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.24 ft
Control Elevation: 15.24 ft
Cross Section: 06_M_0525_NS_W7X

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:

Channel Link: 06_M_0530_LC		
	Upstream	Downstream
Scenario: Alt1	Invert: 9.04 ft	Invert: 8.57 ft
From Node: 06_M_0530_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0520_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0530_XC	Cross Section: 06_M_0530_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 418.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0530_NE_W1	
Scenario: Alt1	Bottom Clip
From Node: 06_M_0530_NE	Default: 0.00 ft
To Node: NML0500	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: 13.90 ft	Discharge Coefficients
Control Elevation: 13.90 ft	Weir Default: 2.800
Cross Section: 06_M_0530_NE_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0530_NE_W2		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0530_NE	Default: 0.00 ft
To Node:	06_M_0520_NC	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:	11.74 ft	Discharge Coefficients
Control Elevation:	11.74 ft	Weir Default: 2.800
Cross Section:	06_M_0530_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0600_LO		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0600_NS	Default: 0.00 ft
To Node:	06_M_0530_NE	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	15.06 ft	Discharge Coefficients
Control Elevation:	15.06 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	55.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0600_LP		
Scenario:	Alt1	Invert: 8.94 ft
From Node:	06_M_0600_NS	Manning's N: 0.0240
To Node:	06_M_0530_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Arch
Flow Direction:	Both	Max Depth: 3.67 ft
Damping:	0.0000 ft	Bottom Clip
Length:	40.00 ft	Default: 0.00 ft
FHWA Code:	45	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: 06_M_0610_LC

Upstream

Downstream

Scenario: Alt1

Invert: 9.66 ft

Invert: 8.94 ft

From Node: 06_M_0610_NC

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0600_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0610_XC

Cross Section: 06_M_0610_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 405.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Weir Link: 06_M_0620_LW

Scenario: Alt1

Bottom Clip

From Node: 06_M_0620_ND

Default: 0.00 ft

To Node: 06_M_0610_NC

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: 9.99 ft

Discharge Coefficients

Control Elevation: 9.99 ft

Weir Default: 2.800

Cross Section: 06_M_0620_XW

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0620_LW2

Scenario: Alt1

Bottom Clip

From Node: 06_M_0620_ND

Default: 0.00 ft

To Node: 06_M_3000_NC

Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.70 ft	Ref Node:
Control Elevation:	14.70 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	95.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0630_LO		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_0630_NS	Default: 0.00 ft
To Node:	06_M_0620_ND	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:	Rectangular	Ref Node:
Invert:	14.76 ft	Discharge Coefficients
Control Elevation:	14.76 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	45.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0630_LP_1		
	Upstream	Downstream
Scenario:	Alt1	
	Invert: 9.37 ft	Invert: 9.29 ft
From Node:	06_M_0630_NS	Manning's N: 0.0240
To Node:	06_M_0620_ND	Manning's N: 0.0240
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 5.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	20.50 ft	Default: 0.00 ft
FHWA Code:	6	Op Table:
Entr Loss Coef:	0.90	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Manning's N: 0.0000	Ref Node:
		Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Pipe Link: 06_M_0630_LP_2		
	Upstream	Downstream
Scenario: Alt1	Invert: 9.87 ft	Invert: 9.78 ft
From Node: 06_M_0630_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0620_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.40 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0630_NS_W1		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_0630_NS	Default: 0.00 ft	
To Node: 06_M_0600_NS	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: Rectangular	Ref Node:	
Invert: 15.20 ft	Discharge Coefficients	
Control Elevation: 15.20 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 90.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Channel Link: 06_M_0640_LC		
	Upstream	Downstream
Scenario: Alt1	Invert: 9.79 ft	Invert: 9.37 ft
From Node: 06_M_0640_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0630_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0640_XC_1	Cross Section: 06_M_0640_XC_2
Flow Direction: Both		
Damping: 0.0000 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Length: 235.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0650_LO

Scenario: Alt1	Bottom Clip
From Node: 06_M_0650_NS	Default: 0.00 ft
To Node: 06_M_0640_NE	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: Rectangular	Ref Node:
Invert: 12.96 ft	Discharge Coefficients
Control Elevation: 12.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 35.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0650_LP

	Upstream	Downstream
Scenario: Alt1	Invert: 10.06 ft	Invert: 9.84 ft
From Node: 06_M_0650_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0640_NE	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 14.00 ft	Op Table:	Op Table:
FHWA Code: 32	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_0650_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0650_NS	Default:	0.00 ft
To Node:	06_M_0600_NS	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:	Rectangular	Ref Node:	
Invert:	15.40 ft	Discharge Coefficients	
Control Elevation:	15.40 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Channel Link: 06_M_0660_LC			Upstream	Downstream
Scenario:	Alt1	Invert:	9.27 ft	Invert: 10.06 ft
From Node:	06_M_0660_NE	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0650_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0660_XC_1	Cross Section: 06_M_0660_XC_2
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	420.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			
Comment:				

Weir Link: 06_M_0670_LO			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_0670_NS	Default:	0.00 ft
To Node:	06_M_0660_NE	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:	Rectangular	Ref Node:	
Invert:	13.46 ft	Discharge Coefficients	
Control Elevation:	13.46 ft	Weir Default:	2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Max Depth: 9999.00 ft

Max Width: 45.00 ft

Fillet: 0.00 ft

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0670_LP		
	Upstream	Downstream
Scenario: Alt1	Invert: 9.03 ft	Invert: 9.27 ft
From Node: 06_M_0670_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0660_NE	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0670_NS_W1		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_0670_NS	Default: 0.00 ft	
To Node: 06_M_0600_NS	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: Rectangular	Ref Node:	
Invert: 14.60 ft	Discharge Coefficients	
Control Elevation: 14.60 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 70.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Channel Link: 06_M_0680_LC		
	Upstream	Downstream
Scenario: Alt1	Invert: 10.52 ft	Invert: 8.97 ft
From Node: 06_M_0680_NC	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

To Node:	06_M_0670_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0680_XC	Cross Section: 06_M_0680_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Channel Link: 06_M_0690_LC		Upstream	Downstream
Scenario:	Alt1	Invert: 12.07 ft	Invert: 10.52 ft
From Node:	06_M_0690_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0680_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0690_XC	Cross Section: 06_M_0690_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Channel Link: 06_M_0700_LC		Upstream	Downstream
Scenario:	Alt1	Invert: 15.27 ft	Invert: 12.07 ft
From Node:	06_M_0700_NE	Manning's N: 0.0400	Manning's N: 0.0400
To Node:	06_M_0690_NE	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft
Flow Direction:	Both	Extrapolation: Vertical	Extrapolation: Vertical
Damping:	0.0000 ft	Bottom Width: 2.00 ft	Bottom Width: 2.00 ft
Length:	275.00 ft	Left Slope: 6.000 (h:v)	Left Slope: 6.000 (h:v)
Contraction Coef:	0.10	Right Slope: 6.000 (h:v)	Right Slope: 6.000 (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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Bend Location: 0.00 ft 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:

Weir Link: 06_M_0710_LO

Bottom Clip		
Scenario: Alt1	Default: 0.00 ft	
From Node: 06_M_0710_NS	Op Table:	
To Node: 06_M_0700_NE	Ref Node:	
Link Count: 1		
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Paved Road Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 16.96 ft	Discharge Coefficients	
Control Elevation: 16.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 50.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Pipe Link: 06_M_0710_LP

	Upstream	Downstream
Scenario: Alt1	Invert: 14.99 ft	Invert: 15.27 ft
From Node: 06_M_0710_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0700_NE	Geometry: Circular	
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 79.50 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0710_NS_W1

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Scenario:	Alt1	
From Node:	06_M_0710_NS	Bottom Clip
To Node:	06_M_1100_ND	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.30 ft	Ref Node:
Control Elevation:	14.30 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	300.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_1000_LO		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_1000_NS	Default: 0.00 ft
To Node:	06_M_0600_NS	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	14.06 ft	Discharge Coefficients
Control Elevation:	14.06 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	65.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_1000_LP		
Scenario:	Alt1	
From Node:	06_M_1000_NS	Invert: 10.37 ft
To Node:	06_M_0600_NS	Invert: 9.77 ft
Link Count:	1	Manning's N: 0.0240
Flow Direction:	Both	Manning's N: 0.0240
Damping:	0.0000 ft	Geometry: Circular
Length:	75.50 ft	Geometry: Circular
FHWA Code:	4	Max Depth: 2.00 ft
Entr Loss Coef:	0.50	Max Depth: 2.00 ft
Exit Loss Coef:	0.00	Bottom Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
		Op Table:
		Ref Node:
		Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_1000_NS_W2

Scenario: Alt1

Bottom Clip

From Node: 06_M_1000_NS

Default: 0.00 ft

To Node: 06_M_0525_NS

Op Table:

Link Count: 1

Ref Node:

Flow Direction: Both

Top Clip

Damping: 0.0000 ft

Default: 0.00 ft

Weir Type: Paved Road Vertical

Op Table:

Geometry Type: Irregular

Ref Node:

Invert: 14.80 ft

Discharge Coefficients

Control Elevation: 14.80 ft

Weir Default: 2.800

Cross Section: 06_M_1000_NS_W2X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_1100_LO

Scenario: Alt1

Bottom Clip

From Node: 06_M_1100_ND

Default: 0.00 ft

To Node: 06_M_1000_NS

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: Rectangular

Ref Node:

Invert: 12.96 ft

Discharge Coefficients

Control Elevation: 12.96 ft

Weir Default: 2.800

Max Depth: 9999.00 ft

Weir Table:

Max Width: 430.00 ft

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: 06_M_2000_LP

Upstream

Downstream

Scenario: Alt1

Invert: 12.41 ft

Invert: 12.18 ft

From Node: 06_M_2000_NS

Manning's N: 0.0120

Manning's N: 0.0120

To Node: 06_M_0690_NE

Geometry: Rectangular

Geometry: Rectangular

Link Count: 2

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	72.50 ft	Bottom Clip			
FHWA Code:	15	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	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:

Weir Link: 06_M_2100_LO

Scenario:	Alt1	Bottom Clip			
From Node:	06_M_2100_ND	Default:			
To Node:	06_M_2000_NS	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000	Default:			
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	12.46 ft	Discharge Coefficients			
Control Elevation:	12.46 ft	Weir Default:			
Cross Section:	06_M_2100_XW	Weir Table:			
		Orifice Default:			
		Orifice Table:			

Comment:

Pipe Link: 06_M_2200_LP

		Upstream		Downstream	
Scenario:	Alt1	Invert:	14.06 ft	Invert:	13.06 ft
From Node:	06_M_2200_NP	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_2100_ND	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_2200_LW

Scenario: Alt1
From Node: 06_M_2200_NP
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.61 ft
Control Elevation: 15.61 ft
Cross Section: 06_M_2200_XW

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: 06_M_2300_LO

Scenario: Alt1
From Node: 06_M_2300_ND
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Gravel Road Vertical
Geometry Type: Rectangular
Invert: 16.96 ft
Control Elevation: 16.96 ft
Max Depth: 9999.00 ft
Max Width: 100.00 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: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: 06_M_2300_LP

Scenario: Alt1
From Node: 06_M_2300_ND
To Node: 06_M_2100_ND
Link Count: 3
Flow Direction: Both
Damping: 0.0000 ft

Upstream

Invert: 14.94 ft
Manning's N: 0.0240
Geometry: Circular
Max Depth: 2.00 ft

Downstream

Invert: 14.98 ft
Manning's N: 0.0240
Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	5	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: 06_M_2400_LP	Upstream	Downstream
Scenario: Alt1	Invert: 13.96 ft	Invert: 13.96 ft
From Node: 06_M_2400_NP	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_2100_ND	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 75.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2400_LW		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_2400_NP	Default: 0.00 ft
To Node:	06_M_2300_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800
Cross Section:	06_M_2400_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_2500_LO		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_2500_ND	Default: 0.00 ft
To Node:	06_M_2100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	15.96 ft	Discharge Coefficients
Control Elevation:	15.96 ft	Weir Default: 2.800
Cross Section:	06_M_2500_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: 06_M_2600_LP		
	Upstream	Downstream
Scenario:	Alt1	Invert: 15.96 ft
From Node:	06_M_2600_NP	Manning's N: 0.0120
To Node:	06_M_2500_ND	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 0.83 ft
Damping:	0.0000 ft	Bottom Clip
Length:	95.00 ft	Default: 0.00 ft
FHWA Code:	48	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2600_LW		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_2600_NP	Default: 0.00 ft
To Node:	06_M_2500_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Cross Section: 06_M_2600_XW

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_2700_LO

Scenario: Alt1	Bottom Clip
From Node: 06_M_2700_ND	Default: 0.00 ft
To Node: 06_M_2100_ND	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: Rectangular	Ref Node:
Invert: 16.96 ft	Discharge Coefficients
Control Elevation: 16.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 1000.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_2800_LP

	Upstream	Downstream
Scenario: Alt1	Invert: 16.96 ft	Invert: 16.96 ft
From Node: 06_M_2800_NP	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_2700_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 0.83 ft	Max Depth: 0.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 210.00 ft	Op Table:	Op Table:
FHWA Code: 48	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_2800_LW

Scenario: Alt1	Bottom Clip
From Node: 06_M_2800_NP	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

To Node: 06_M_2700_ND
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 18.86 ft
 Control Elevation: 18.86 ft
 Cross Section: 06_M_2800_XW

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:

Channel Link: 06_M_3000_LC		Upstream	Downstream
Scenario: Alt1	Invert: 11.72 ft	Invert: 8.94 ft	
From Node: 06_M_3000_NC	Manning's N: 0.0350	Manning's N: 0.0350	
To Node: 06_M_0600_NS	Geometry: Trapezoidal	Geometry: Trapezoidal	
Link Count: 1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft	
Flow Direction: Both	Extrapolation: Vertical	Extrapolation: Vertical	
Damping: 0.0000 ft	Bottom Width: 3.00 ft	Bottom Width: 3.00 ft	
Length: 1200.00 ft	Left Slope: 2.000 (h:v)	Left Slope: 2.000 (h:v)	
Contraction Coef: 0.10	Right Slope: 2.000 (h:v)	Right Slope: 2.000 (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 ft	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:

Weir Link: 06_M_3000_NC_W1		Bottom Clip
Scenario: Alt1	Default: 0.00 ft	
From Node: 06_M_3000_NC	Op Table:	
To Node: 06_M_0600_NS	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Invert: 13.50 ft
Control Elevation: 13.50 ft
Max Depth: 9999.00 ft
Max Width: 120.00 ft
Fillet: 0.00 ft

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_3100_LO_1

Scenario: Alt1
From Node: 06_M_3100_ND
To Node: 06_M_3000_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.96 ft
Control Elevation: 14.96 ft
Cross Section: 06_M_3100_XW

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: 06_M_3100_LO_2

Scenario: Alt1
From Node: 06_M_3100_ND
To Node: 06_M_0690_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 15.96 ft
Control Elevation: 15.96 ft
Max Depth: 9999.00 ft
Extrapolation Method: Normal Projection
Bottom Width: 5.00 ft
Left Slope: 2.000 (h:v)
Right Slope: 2.000 (h:v)

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_3100_ND_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_3100_ND	Default:	0.00 ft
To Node:	06_M_0650_NS	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:	Rectangular	Ref Node:	
Invert:	15.80 ft	Discharge Coefficients	
Control Elevation:	15.80 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	350.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_3200_LO_1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_3200_ND	Default:	0.00 ft
To Node:	06_M_3100_ND	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:	15.96 ft	Discharge Coefficients	
Control Elevation:	15.96 ft	Weir Default:	2.800
Cross Section:	06_M_3200_XW	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_3200_LO_2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_3200_ND	Default:	0.00 ft
To Node:	06_M_3250_NS	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:	Rectangular	Ref Node:	
Invert:	17.96 ft	Discharge Coefficients	
Control Elevation:	17.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Max Width: 160.00 ft

Fillet: 0.00 ft

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_3250_LP		
	Upstream	Downstream
Scenario: Alt1	Invert: 15.96 ft	Invert: 15.96 ft
From Node: 06_M_3250_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0120	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_3250_NS_W1		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_3250_NS	Default: 0.00 ft	
To Node: 06_M_3100_ND	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: Rectangular	Ref Node:	
Invert: 19.00 ft	Discharge Coefficients	
Control Elevation: 19.00 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_3300_LO		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_3300_ND	Default: 0.00 ft	
To Node: 06_M_3200_ND	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	17.46 ft	Ref Node:
Control Elevation:	17.46 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	550.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_3400_LO_1		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_3400_ND	Default: 0.00 ft
To Node:	06_M_3300_ND	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:	18.96 ft	Discharge Coefficients
Control Elevation:	18.96 ft	Weir Default: 2.800
Cross Section:	06_M_3400_XW_1	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_3400_LO_2		
Scenario:	Alt1	Bottom Clip
From Node:	06_M_3400_ND	Default: 0.00 ft
To Node:	06_M_4100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	19.96 ft	Discharge Coefficients
Control Elevation:	19.96 ft	Weir Default: 2.800
Cross Section:	06_M_3400_XW_2	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: 06_M_3500_LO			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_3500_ND	Default:	0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:	
Invert:	21.96 ft	Discharge Coefficients	
Control Elevation:	21.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_3600_LO			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_3600_ND	Default:	0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:	
Invert:	22.96 ft	Discharge Coefficients	
Control Elevation:	22.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	366.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_4100_ND_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_4100_ND	Default:	0.00 ft
To Node:	NML0150	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:	20.42 ft	Discharge Coefficients	
Control Elevation:	20.42 ft	Weir Default:	2.800
Cross Section:	06_M_4100_ND_W1X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_4100_ND_W2

Scenario: Alt1
From Node: 06_M_4100_ND
To Node: NML0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 25.28 ft
Control Elevation: 25.28 ft
Cross Section: 06_M_4100_ND_W2X

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: 06_M_4100_ND_W3

Scenario: Alt1
From Node: 06_M_4100_ND
To Node: NML0420
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 31.08 ft
Control Elevation: 31.08 ft
Cross Section: 06_M_4100_ND_W3X

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: 06_M_4100_ND_W4

Scenario: Alt1
From Node: 06_M_4100_ND
To Node: NML0530
Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.07 ft
Control Elevation: 23.07 ft
Cross Section: 06_M_4100_ND_W4X

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: 06_M_4200_LO

Scenario: Alt1
From Node: 06_M_4200_NS
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: 06_M_4200_XW

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:

Pipe Link: 06_M_4200_LP

Scenario: Alt1
From Node: 06_M_4200_NS
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 50.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream	Downstream
Invert: 15.96 ft	Invert: 15.96 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 2.00 ft	Max Depth: 2.00 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Weir Link: 06_M_4200_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_4200_NS	Default:	0.00 ft
To Node:	06_M_4100_ND	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:	20.30 ft	Discharge Coefficients	
Control Elevation:	20.30 ft	Weir Default:	2.800
Cross Section:	06_M_4200_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_4200_NS_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_4200_NS	Default:	0.00 ft
To Node:	NML0530	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:	21.50 ft	Discharge Coefficients	
Control Elevation:	21.50 ft	Weir Default:	2.800
Cross Section:	06_M_4200_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_4200_NS_W3			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_4200_NS	Default:	0.00 ft
To Node:	NML0120	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:	21.65 ft	Discharge Coefficients	
Control Elevation:	21.65 ft	Weir Default:	2.800
Cross Section:	06_M_4200_NS_W3X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_5000_LP			Upstream	Downstream
Scenario:	Alt1	Invert:	20.36 ft	Invert: 20.16 ft
From Node:	06_M_5000_NS	Manning's N:	0.0120	Manning's N: 0.0120
To Node:	06_M_3500_ND	Geometry:	Circular	Geometry: Circular
Link Count:	2	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:	50.00 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:	0.00	Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5100_LO			Bottom Clip
Scenario:	Alt1	Default:	0.00 ft
From Node:	06_M_5100_ND	Op Table:	
To Node:	06_M_5000_NS	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	Discharge Coefficients	
Invert:	23.96 ft	Weir Default:	2.800
Control Elevation:	23.96 ft	Weir Table:	
Max Depth:	9999.00 ft	Orifice Default:	0.600
Max Width:	190.00 ft	Orifice Table:	
Fillet:	0.00 ft		

Comment:

Pipe Link: 06_M_5200_LP			Upstream	Downstream
Scenario:	Alt1	Invert:	20.06 ft	Invert: 19.96 ft
From Node:	06_M_5200_NS	Manning's N:	0.0120	Manning's N: 0.0120
To Node:	06_M_3600_ND	Geometry:	Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_5200_NS_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	06_M_5200_NS	Default:	0.00 ft
To Node:	06_M_5500_ND	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:	Rectangular	Ref Node:	
Invert:	22.10 ft	Discharge Coefficients	
Control Elevation:	22.10 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	260.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: 06_M_5300_LP					
Scenario:	Alt1	Upstream		Downstream	
From Node:	06_M_5300_NS	Invert:	31.56 ft	Invert:	25.06 ft
To Node:	06_M_3600_ND	Manning's N:	0.0120	Manning's N:	0.0120
Link Count:	1	Geometry: Circular		Geometry: Circular	
Flow Direction:	Both	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Damping:	0.0000	Bottom Clip			
Length:	95.00 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:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 ft	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Pipe Link: 06_M_5400_LP		
	Upstream	Downstream
Scenario: Alt1	Invert: 20.46 ft	Invert: 19.96 ft
From Node: 06_M_5400_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5500_LO		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_5500_ND	Default: 0.00 ft	
To Node: 06_M_5400_NS	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: Rectangular	Ref Node:	
Invert: 20.96 ft	Discharge Coefficients	
Control Elevation: 20.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_5600_LO		
Scenario: Alt1	Bottom Clip	
From Node: 06_M_5600_ND	Default: 0.00 ft	
To Node: 06_M_5500_ND	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Type: Paved Road Vertical
 Geometry Type: Rectangular
 Invert: 26.96 ft
 Control Elevation: 26.96 ft
 Max Depth: 9999.00 ft
 Max Width: 366.00 ft
 Fillet: 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: MLPR-DS1		Upstream Pipe	Downstream Pipe
Scenario:	Alt1	Invert: 9.20 ft	Invert: 9.00 ft
From Node:	06_M_0500_NS	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0110	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	0	Op Table:	Op Table:
Pipe Count:	2	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	88.00 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:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 ft		
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:	Horizontal	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	11.30 ft	Ref Node:
Control Elevation:	11.30 ft	Discharge Coefficients
Max Depth:	3.00 ft	Weir Default: 3.200
Max Width:	6.58 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Weir Comment:

Weir Component		Bottom Clip
Weir:	2	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

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:	10.50 ft	Default: 0.00 ft
Control Elevation:	10.50 ft	Op Table:
Max Depth:	0.80 ft	Ref Node:
Max Width:	6.00 ft	Discharge Coefficients
Fillet:	0.00 ft	Weir Default: 3.200
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment:

Drop Structure Comment:

Pipe Link: NML0000_LP1	Upstream	Downstream
Scenario: Alt1	Invert: -0.30 ft	Invert: -0.30 ft
From Node: NML0000	Manning's N: 0.0120	Manning's N: 0.0120
To Node: MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 60.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0000_W1	
Scenario: Alt1	Bottom Clip
From Node: NML0000	Default: 0.00 ft
To Node: MULLET_LAKE	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: 5.25 ft	Discharge Coefficients

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Control Elevation: 5.25 ft

Cross Section: NML0000_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: NML0050_LP1		
	Upstream	Downstream
Scenario: Alt1	Invert: 7.90 ft	Invert: 7.80 ft
From Node: NML0050	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 5	Ref Node:	Ref Node:
Entr Loss Coef: 0.70	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0050_W2		
Scenario: Alt1	Bottom Clip	
From Node: NML0050	Default: 0.00 ft	
To Node: NML0510	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: 11.49 ft	Discharge Coefficients	
Control Elevation: 11.49 ft	Weir Default: 2.800	
Cross Section: NML0050_W2X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: NML0050_W3		
Scenario: Alt1	Bottom Clip	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

From Node:	NML0050	
To Node:	06_M_0410_NC	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	13.89 ft	Ref Node:
Control Elevation:	13.89 ft	Discharge Coefficients
Cross Section:	NML0050_W3X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0050_W4

Scenario:	Alt1		Bottom Clip
From Node:	NML0050	Default: 0.00 ft	
To Node:	NML0520	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:	13.83 ft	Discharge Coefficients	
Control Elevation:	13.83 ft	Weir Default: 2.800	
Cross Section:	NML0050_W4X	Weir Table:	
		Orifice Default: 0.600	
		Orifice Table:	

Comment:

Pipe Link: NML0100_LP1

	Upstream	Downstream
Scenario:	Alt1	
From Node:	NML0100	Invert: 3.30 ft
To Node:	NML0000	Invert: 3.20 ft
Link Count:	1	Manning's N: 0.0130
Flow Direction:	Both	Manning's N: 0.0130
Damping:	0.0000 ft	Geometry: Circular
Length:	33.00 ft	Geometry: Circular
FHWA Code:	1	Max Depth: 2.50 ft
Entr Loss Coef:	0.50	Max Depth: 2.50 ft
Exit Loss Coef:	0.00	Bottom Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:
		Ref Node:
		Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000

Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: NML0100_LP2		Upstream	Downstream
Scenario:	Alt1	Invert: 3.30 ft	Invert: 3.20 ft
From Node:	NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0000	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	30.00 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:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0100_LP3		Upstream	Downstream
Scenario:	Alt1	Invert: 4.80 ft	Invert: 4.70 ft
From Node:	NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0000	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	30.00 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:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0100_W1		Bottom Clip
Scenario:	Alt1	Default: 0.00 ft
From Node:	NML0100	Op Table:
To Node:	NML0000	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	8.12 ft	Ref Node:
Control Elevation:	8.12 ft	Discharge Coefficients
Cross Section:	NML0100_W1X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0110_LP1	Upstream	Downstream
Scenario: Alt1	Invert: 7.90 ft	Invert: 7.80 ft
From Node: NML0110	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0530	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 32.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0110_W1	
Scenario: Alt1	Bottom Clip
From Node: NML0110	Default: 0.00 ft
To Node: NML0530	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: 12.13 ft	Discharge Coefficients
Control Elevation: 12.13 ft	Weir Default: 2.800
Cross Section: NML0110_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Weir Link: NML0110_W2

Scenario:	Alt1	Bottom Clip
From Node:	NML0110	Default: 0.00 ft
To Node:	NML0500	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:	14.12 ft	Discharge Coefficients
Control Elevation:	14.12 ft	Weir Default: 2.800
Cross Section:	NML0110_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0110_W3

Scenario:	Alt1	Bottom Clip
From Node:	NML0110	Default: 0.00 ft
To Node:	NML0510	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:	11.90 ft	Discharge Coefficients
Control Elevation:	11.90 ft	Weir Default: 2.800
Cross Section:	NML0110_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0110_W4

Scenario:	Alt1	Bottom Clip
From Node:	NML0110	Default: 0.00 ft
To Node:	NML0050	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Geometry Type: Irregular
 Invert: 11.34 ft
 Control Elevation: 11.34 ft
 Cross Section: NML0110_W4X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: NML0120_W1

Scenario: Alt1
 From Node: NML0120
 To Node: NML0530
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 15.69 ft
 Control Elevation: 15.69 ft
 Cross Section: NML0120_W1X

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: NML0120_W2

Scenario: Alt1
 From Node: NML0120
 To Node: NML0500
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 19.44 ft
 Control Elevation: 19.44 ft
 Cross Section: NML0120_W2X

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: NML0150_W1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Scenario: Alt1
From Node: NML0150
To Node: NML0300
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.87 ft
Control Elevation: 20.87 ft
Cross Section: NML0150_W1X

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: NML0150_W2

Scenario: Alt1
From Node: NML0150
To Node: NML0100
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.51 ft
Control Elevation: 20.51 ft
Cross Section: NML0150_W2X

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: NML0150_W3

Scenario: Alt1
From Node: NML0150
To Node: NML0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 26.31 ft
Control Elevation: 26.31 ft
Cross Section: NML0150_W3X

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:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0150_W4

Scenario: Alt1	Bottom Clip
From Node: NML0150	Default: 0.00 ft
To Node: NML0530	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: 23.14 ft	Discharge Coefficients
Control Elevation: 23.14 ft	Weir Default: 2.800
Cross Section: NML0150_W4X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: NML0200_LP1

	Upstream	Downstream
Scenario: Alt1	Invert: 3.10 ft	Invert: 1.40 ft
From Node: NML0200	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0200_W1

Scenario: Alt1	Bottom Clip
From Node: NML0200	Default: 0.00 ft
To Node: NML0000	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	5.55 ft	Ref Node:
Control Elevation:	5.55 ft	Discharge Coefficients
Cross Section:	NML0200_W1X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0200_W2		
Scenario:	Alt1	Bottom Clip
From Node:	NML0200	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	7.45 ft	Discharge Coefficients
Control Elevation:	7.45 ft	Weir Default: 2.800
Cross Section:	NML0200_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0210_LP1	Upstream	Downstream
Scenario:	Alt1	
From Node:	NML0210	NML0200
To Node:	NML0200	NML0210
Link Count:	1	
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	40.00 ft	
FHWA Code:	6	
Entr Loss Coef:	0.90	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
	Invert: 5.40 ft	Invert: 2.80 ft
	Manning's N: 0.0240	Manning's N: 0.0220
	Geometry: Circular	Geometry: Circular
	Max Depth: 1.50 ft	Max Depth: 1.50 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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Pipe Link: NML0210_LP2		Upstream	Downstream
Scenario:	Alt1	Invert: 5.60 ft	Invert: 5.60 ft
From Node:	NML0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 1.50 ft	Default: 1.50 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	3	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0210_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	NML0210	Default:	0.00 ft
To Node:	NML0200	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:	7.67 ft	Discharge Coefficients	
Control Elevation:	7.67 ft	Weir Default:	2.800
Cross Section:	NML0210_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: NML0210_W2			
Scenario:	Alt1	Bottom Clip	
From Node:	NML0210	Default:	0.00 ft
To Node:	MULLET_LAKE	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 8.37 ft
 Control Elevation: 8.37 ft
 Cross Section: NML0210_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: NML0220_LP1	Upstream	Downstream
Scenario: Alt1	Invert: 8.80 ft	Invert: 6.60 ft
From Node: NML0220	Manning's N: 0.0240	Manning's N: 0.0220
To Node: NML0210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0220_W1		
Scenario:	Alt1	Bottom Clip
From Node:	NML0220	Default: 0.00 ft
To Node:	06_M_0240_NS	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:	11.70 ft	Discharge Coefficients
Control Elevation:	11.70 ft	Weir Default: 2.800
Cross Section:	NML0220_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Weir Link: NML0220_W2	
Scenario: Alt1	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: NML0210	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: 10.31 ft	Discharge Coefficients
Control Elevation: 10.31 ft	Weir Default: 2.800
Cross Section: NML0220_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0220_W3	
Scenario: Alt1	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: NML0200	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: 12.45 ft	Discharge Coefficients
Control Elevation: 12.45 ft	Weir Default: 2.800
Cross Section: NML0220_W3X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0220_W4	
Scenario: Alt1	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: MULLET_LAKE	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: 11.42 ft	Discharge Coefficients
Control Elevation: 11.42 ft	Weir Default: 2.800
Cross Section: NML0220_W4X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: NML0300_LP1		
	Upstream	Downstream
Scenario: Alt1	Invert: 7.84 ft	Invert: 7.42 ft
From Node: NML0300	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0300_LP2		
	Upstream	Downstream
Scenario: Alt1	Invert: 10.38 ft	Invert: 10.43 ft
From Node: NML0300	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0100	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0300_W1		
Scenario: Alt1	Bottom Clip	
From Node: NML0300	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

To Node: NML0000
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.70 ft
Control Elevation: 11.70 ft
Cross Section: NML0300_W1X

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: NML0300_W2

Scenario: Alt1
From Node: NML0300
To Node: NML0400
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.01 ft
Control Elevation: 17.01 ft
Cross Section: NML0300_W2X

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: NML0300_W3

Scenario: Alt1
From Node: NML0300
To Node: NML0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.39 ft
Control Elevation: 18.39 ft
Cross Section: NML0300_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Weir Link: NML0300_W4

Scenario:	Alt1	Bottom Clip
From Node:	NML0300	Default: 0.00 ft
To Node:	NML0100	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:	12.04 ft	Discharge Coefficients
Control Elevation:	12.04 ft	Weir Default: 2.800
Cross Section:	NML0300_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0310_W1

Scenario:	Alt1	Bottom Clip
From Node:	NML0310	Default: 0.00 ft
To Node:	NML0300	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:	22.10 ft	Discharge Coefficients
Control Elevation:	22.10 ft	Weir Default: 2.800
Cross Section:	NML0310_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0310_W2

Scenario:	Alt1	Bottom Clip
From Node:	NML0310	Default: 0.00 ft
To Node:	NML0410	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Geometry Type: Irregular
 Invert: 23.33 ft
 Control Elevation: 23.33 ft
 Cross Section: NML0310_W2X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: NML0400_LP1	Upstream	Downstream
Scenario: Alt1	Invert: 8.10 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 48.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0400_LP2	Upstream	Downstream
Scenario: Alt1	Invert: 9.70 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 31	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: NML0400_W1	
Scenario: Alt1	Bottom Clip
From Node: NML0400	Default: 0.00 ft
To Node: NML0000	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: 11.82 ft	Discharge Coefficients
Control Elevation: 11.82 ft	Weir Default: 2.800
Cross Section: NML0400_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0410_W1	
Scenario: Alt1	Bottom Clip
From Node: NML0410	Default: 0.00 ft
To Node: NML0400	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: 13.83 ft	Discharge Coefficients
Control Elevation: 13.83 ft	Weir Default: 2.800
Cross Section: NML0410_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0410_W2	
Scenario: Alt1	Bottom Clip
From Node: NML0410	Default: 0.00 ft
To Node: MULLET_LAKE	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: 16.88 ft	Discharge Coefficients
Control Elevation: 16.88 ft	Weir Default: 2.800
Cross Section: NML0410_W2X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0410_W3

Scenario: Alt1	Bottom Clip
From Node: NML0410	Default: 0.00 ft
To Node: NML0000	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: 16.39 ft	Discharge Coefficients
Control Elevation: 16.39 ft	Weir Default: 2.800
Cross Section: NML0410_W3X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: NML0420_LP1

	Upstream	Downstream
Scenario: Alt1	Invert: 23.50 ft	Invert: 22.70 ft
From Node: NML0420	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 42.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0420_LP2

	Upstream	Downstream
Scenario: Alt1	Invert: 19.90 ft	Invert: 18.36 ft
From Node: NML0420	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0410	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	3.50 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: NML0420_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	NML0420	Default:	0.00 ft
To Node:	NML0410	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:	25.42 ft	Discharge Coefficients	
Control Elevation:	25.42 ft	Weir Default:	2.800
Cross Section:	NML0420_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Pipe Link: NML0430_LP1					
		Upstream		Downstream	
Scenario:	Alt1	Invert:	30.87 ft	Invert:	30.58 ft
From Node:	NML0430	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NML0420	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment:

Weir Link: NML0430_W1	
Scenario: Alt1	Bottom Clip
From Node: NML0430	Default: 0.00 ft
To Node: NML0420	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: 32.40 ft	Discharge Coefficients
Control Elevation: 32.40 ft	Weir Default: 2.800
Cross Section: NML0430_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: NML0500_LP1	Upstream	Downstream
Scenario: Alt1	Invert: 8.50 ft	Invert: 8.40 ft
From Node: NML0500	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0500_W1	
Scenario: Alt1	Bottom Clip
From Node: NML0500	Default: 0.00 ft
To Node: NML0530	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 11.16 ft
 Control Elevation: 11.16 ft
 Cross Section: NML0500_W1X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: NML0500_W2

Scenario: Alt1
 From Node: NML0500
 To Node: NML0530
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 16.91 ft
 Control Elevation: 16.91 ft
 Cross Section: NML0500_W2X

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:

Pipe Link: NML0510_P1

Scenario: Alt1
 From Node: NML0510
 To Node: NML0520
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 44.00 ft
 FHWA Code: 5
 Entr Loss Coef: 0.70
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

	Upstream	Downstream
Invert:	6.20 ft	6.10 ft
Manning's N:	0.0130	0.0130
Geometry:	Circular	Circular
Max Depth:	2.00 ft	2.00 ft
Bottom Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000
Top Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Weir Link: NML0510_W1		
Scenario:	Alt1	Bottom Clip
From Node:	NML0510	Default: 0.00 ft
To Node:	NML0520	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:	9.10 ft	Discharge Coefficients
Control Elevation:	9.10 ft	Weir Default: 2.800
Cross Section:	NML0510_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0510_W2		
Scenario:	Alt1	Bottom Clip
From Node:	NML0510	Default: 0.00 ft
To Node:	NML0530	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:	11.00 ft	Discharge Coefficients
Control Elevation:	11.00 ft	Weir Default: 2.800
Cross Section:	NML0510_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0520_LP1		
	Upstream	Downstream
Scenario:	Alt1	Invert: 5.40 ft
From Node:	NML0520	Manning's N: 0.0130
To Node:	NML0000	Manning's N: 0.0130
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 2.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	60.00 ft	Default: 0.00 ft
FHWA Code:	5	Op Table:
Entr Loss Coef:	0.70	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
	Default: 0.00 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Bend Location: 0.00 ft

Energy Switch: Energy

Op Table:

Ref Node:

Manning's N: 0.0000

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Weir Link: NML0520_W1

Scenario: Alt1

From Node: NML0520

To Node: NML0000

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 9.14 ft

Control Elevation: 9.14 ft

Cross Section: NML0520_W1X

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: NML0520_W2

Scenario: Alt1

From Node: NML0520

To Node: NML0220

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.43 ft

Control Elevation: 13.43 ft

Cross Section: NML0520_W2X

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: NML0520_W3

Scenario: Alt1

From Node: NML0520

To Node: NML0200

Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Flow Direction:	Both	
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	10.77 ft	Ref Node:
Control Elevation:	10.77 ft	Discharge Coefficients
Cross Section:	NML0520_W3X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0520_W4		
Scenario:	Alt1	Bottom Clip
From Node:	NML0520	Default: 0.00 ft
To Node:	NML0100	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:	9.80 ft	Discharge Coefficients
Control Elevation:	9.80 ft	Weir Default: 2.800
Cross Section:	NML0520_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0530_LP1		
	Upstream	Downstream
Scenario:	Alt1	
	Invert: 6.70 ft	Invert: 6.72 ft
From Node:	NML0530	Manning's N: 0.0240
To Node:	NML0520	Manning's N: 0.0240
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Max Depth: 1.25 ft
Length:	40.00 ft	Max Depth: 1.25 ft
FHWA Code:	6	Bottom Clip
Entr Loss Coef:	0.90	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:
Bend Loss Coef:	0.00	Ref Node:
Bend Location:	0.00 ft	Manning's N: 0.0000
Energy Switch:	Energy	Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Op Table:
		Ref Node:
		Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Pipe Link: NML0530_LP2		Upstream	Downstream
Scenario:	Alt1	Invert: 7.33 ft	Invert: 7.47 ft
From Node:	NML0530	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0520	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	33.00 ft	Op Table:	Op Table:
FHWA Code:	3	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: NML0530_LP3		Upstream	Downstream
Scenario:	Alt1	Invert: 5.80 ft	Invert: 5.70 ft
From Node:	NML0530	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0100	Geometry: Circular	Geometry: Circular
Link Count:	2	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:	60.00 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:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: NML0530_W1			
Scenario:	Alt1	Bottom Clip	
From Node:	NML0530	Default:	0.00 ft
To Node:	NML0100	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:	9.17 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Control Elevation: 9.17 ft

Cross Section: NML0530_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: NML0530_W2

Scenario: Alt1

From Node: NML0530

To Node: NML0520

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.00 ft

Control Elevation: 10.00 ft

Cross Section: NML0530_W2X

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:

Simulation: 010YR24HR

Scenario: Alt1

Run Date/Time: 11/21/2019 1:02:35 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	240.0000

	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

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

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

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area: 1 ft2
(2D):
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain: Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 6.80 in
Storm Duration: 24.0000 hr

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Comment: 10 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 025YR24HR

Scenario: Alt1

Run Date/Time: 11/21/2019 1:03:56 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	288.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Reference ET Folder:
Unit Hydrograph
Folder:

Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 8.40 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 1 ft2	Min Node Srf Area 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 25 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 050YR24HR

Scenario: Alt1
Run Date/Time: 11/21/2019 1:05:39 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	336.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain Global
Opt:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

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
(2D):
Energy Switch (2D): Energy

OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 10.10 in
Storm Duration: 24.0000 hr

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

Comment: 50 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 100YR24HR

Scenario: Alt1
Run Date/Time: 11/21/2019 1:08:51 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	384.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight: 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain: Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 11.40 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: 1 ft2	Min Node Srf Area: 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 100 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: MA24HR

Scenario: Alt1

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 1 Conditions

Run Date/Time: 11/21/2019 1:12:44 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	168.0000

	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 1 Conditions

Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global
		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FLMOD
		Rainfall Amount:	5.30 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	1 ft2	Min Node Srf Area	113 ft2
(2D):		(1D):	
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: MEAN ANNUAL / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

ALTERNATIVE 2

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_0110_BC

Scenario: Alt2
Node: 06_M_0110_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.7424 ac
Curve Number: 80.3
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0120_BC

Scenario: Alt2
Node: 06_M_0120_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1800 ac
Curve Number: 80.0
% Impervious: 6.90
% DCIA: 6.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0125_BC

Scenario: Alt2
Node: 06_M_0125_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 10.7165 ac
Curve Number: 80.0
% Impervious: 2.20
% DCIA: 2.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0130_BC

Scenario: Alt2
Node: 06_M_0130_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.3922 ac
Curve Number: 80.1
% Impervious: 5.50
% DCIA: 5.50
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0145_BC

Scenario: Alt2
Node: 06_M_0145_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 69.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4258 ac
Curve Number: 79.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_0200_BC_1

Scenario: Alt2
Node: 06_M_0205_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 138.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 172.3204 ac
Curve Number: 80.0
% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0200_BC_2

Scenario: Alt2
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.4858 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_0200_BC_3

Scenario: Alt2
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4272 ac
Curve Number: 79.8
% Impervious: 4.70
% DCIA: 4.70
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0210_BC

Scenario: Alt2
Node: 06_M_0210_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5115 ac
Curve Number: 67.7
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0220_BC

Scenario: Alt2
Node: 06_M_0220_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1407 ac
Curve Number: 77.2
% Impervious: 5.60
% DCIA: 5.60
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0240_BC

Scenario: Alt2
Node: 06_M_0240_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.5155 ac
Curve Number: 79.1
% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0260_BC

Scenario: Alt2
Node: 06_M_0260_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.8854 ac
Curve Number: 79.5

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0270_BC

Scenario: Alt2
Node: 06_M_0270_NC
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: Uh323
Peaking Factor: 323.0
Area: 1.0215 ac
Curve Number: 80.1
% Impervious: 11.90
% DCIA: 11.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0290_BC

Scenario: Alt2
Node: 06_M_0290_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5235 ac
Curve Number: 75.1
% Impervious: 3.60
% DCIA: 3.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_0300_BC

Scenario: Alt2
Node: 06_M_0300_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6520 ac
Curve Number: 76.8
% Impervious: 3.20
% DCIA: 3.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0310_BC

Scenario: Alt2
Node: 06_M_0310_NC
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: Uh323
Peaking Factor: 323.0
Area: 0.6179 ac
Curve Number: 79.7
% Impervious: 8.10
% DCIA: 8.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0315_BC_1

Scenario: Alt2
Node: 06_M_0315_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 60.1000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 28.3192 ac
Curve Number: 79.5
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0400_BC

Scenario: Alt2
Node: 06_M_0400_NS
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: Uh323
Peaking Factor: 323.0
Area: 0.6137 ac
Curve Number: 80.6
% Impervious: 13.00
% DCIA: 13.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0410_BC

Scenario: Alt2
Node: 06_M_0410_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.3276 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

% Impervious: 1.90
% DCIA: 1.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0420_BC

Scenario: Alt2
Node: 06_M_0420_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9231 ac
Curve Number: 73.0
% Impervious: 2.40
% DCIA: 2.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0425_BC_1

Scenario: Alt2
Node: 06_M_0425_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.3966 ac
Curve Number: 79.9
% Impervious: 1.60
% DCIA: 1.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_0500_BC

Scenario: Alt2
Node: 06_M_0500_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9783 ac
Curve Number: 79.3
% Impervious: 7.40
% DCIA: 7.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0510_BC

Scenario: Alt2
Node: 06_M_0510_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1824 ac
Curve Number: 80.2
% Impervious: 8.00
% DCIA: 8.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0520_BC

Scenario: Alt2
Node: 06_M_0520_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.3239 ac
Curve Number: 70.3
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0525_BC

Scenario: Alt2
Node: 06_M_0525_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 45.7030 ac
Curve Number: 79.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0530_BC

Scenario: Alt2
Node: 06_M_0530_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 76.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.0290 ac
Curve Number: 74.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_1

Scenario: Alt2
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5500 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_2

Scenario: Alt2
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.5400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_0620_BC

Scenario: Alt2
Node: 06_M_0620_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5600 ac
Curve Number: 79.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0630_BC

Scenario: Alt2
Node: 06_M_0630_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1400 ac
Curve Number: 80.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0650_BC

Scenario: Alt2
Node: 06_M_0650_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 75.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9400 ac
Curve Number: 79.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0670_BC

Scenario: Alt2
Node: 06_M_0670_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4100 ac
Curve Number: 79.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0680_BC

Scenario: Alt2
Node: 06_M_0680_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.9800 ac
Curve Number: 74.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_0690_BC_1

Scenario: Alt2
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.0300 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0690_BC_2

Scenario: Alt2
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 82.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.8000 ac
Curve Number: 66.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_0710_BC

Scenario: Alt2
Node: 06_M_0710_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.0200 ac
Curve Number: 72.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_1

Scenario: Alt2
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 104.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 20.1000 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_2

Scenario: Alt2
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.9000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1100 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_3

Scenario: Alt2
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 66.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_4

Scenario: Alt2
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 86.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4400 ac
Curve Number: 80.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_1100_BC

Scenario: Alt2
Node: 06_M_1100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 36.4400 ac
Curve Number: 79.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2000_BC_1

Scenario: Alt2
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7100 ac
Curve Number: 65.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_2000_BC_2

Scenario: Alt2
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 77.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.3400 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2100_BC

Scenario: Alt2
Node: 06_M_2100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 138.3100 ac
Curve Number: 76.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2200_BC

Scenario: Alt2
Node: 06_M_2200_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 117.6000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 56.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2300_BC

Scenario: Alt2
Node: 06_M_2300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 52.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.5800 ac
Curve Number: 78.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2400_BC

Scenario: Alt2
Node: 06_M_2400_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 45.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 228.3100 ac
Curve Number: 67.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_2500_BC

Scenario: Alt2
Node: 06_M_2500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.9877 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2600_BC

Scenario: Alt2
Node: 06_M_2600_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 42.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 21.5100 ac
Curve Number: 65.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_2700_BC

Scenario: Alt2
Node: 06_M_2700_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 120.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 119.5300 ac
Curve Number: 77.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2800_BC

Scenario: Alt2
Node: 06_M_2800_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0200 ac
Curve Number: 65.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3000_BC

Scenario: Alt2
Node: 06_M_3000_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.6100 ac
Curve Number: 78.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3100_BC

Scenario: Alt2
Node: 06_M_3100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 111.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 148.6320 ac
Curve Number: 60.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3200_BC

Scenario: Alt2
Node: 06_M_3200_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 15.6814 ac
Curve Number: 67.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_3250_BC

Scenario: Alt2
Node: 06_M_3250_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9300 ac
Curve Number: 67.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3300_BC_1

Scenario: Alt2
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 51.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.7600 ac
Curve Number: 57.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_3300_BC_2

Scenario: Alt2
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6500 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_1

Scenario: Alt2
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 107.9400 ac
Curve Number: 57.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_2

Scenario: Alt2
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.3800 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_1

Scenario: Alt2
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 33.1400 ac
Curve Number: 51.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_2

Scenario: Alt2
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.0300 ac
Curve Number: 39.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_3600_BC_1

Scenario: Alt2
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 65.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 324.4100 ac
Curve Number: 45.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_2

Scenario: Alt2
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7300 ac
Curve Number: 59.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_3600_BC_3

Scenario: Alt2
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1700 ac
Curve Number: 46.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_4

Scenario: Alt2
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 35.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9400 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4100_BC_1

Scenario: Alt2
Node: 06_M_4100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 95.2361 ac
Curve Number: 55.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4200_BC_1

Scenario: Alt2
Node: 06_M_4200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 16.0747 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5000_BC

Scenario: Alt2
Node: 06_M_5000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.2500 ac
Curve Number: 40.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: 06_M_5100_BC

Scenario: Alt2
Node: 06_M_5100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.4700 ac
Curve Number: 40.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5200_BC

Scenario: Alt2
Node: 06_M_5200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9500 ac
Curve Number: 43.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: 06_M_5300_BC

Scenario: Alt2
Node: 06_M_5300_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.1000 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5400_BC

Scenario: Alt2
Node: 06_M_5400_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 19.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.8900 ac
Curve Number: 60.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5500_BC

Scenario: Alt2
Node: 06_M_5500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 79.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 202.7900 ac
Curve Number: 45.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5600_BC

Scenario: Alt2
Node: 06_M_5600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 94.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 742.5000 ac
Curve Number: 48.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0000

Scenario: Alt2
Node: NML0000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 141.4118 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: ML0050

Scenario: Alt2
Node: NML0050
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.8503 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0100

Scenario: Alt2
Node: NML0100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 53.3904 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: ML0110

Scenario: Alt2
Node: NML0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.9604 ac
Curve Number: 67.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0120

Scenario: Alt2
Node: NML0120
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: Uh323
Peaking Factor: 323.0
Area: 1.0445 ac
Curve Number: 61.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0150

Scenario: Alt2
Node: NML0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.5000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0099 ac
Curve Number: 63.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0200

Scenario: Alt2
Node: NML0200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 58.2853 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0210

Scenario: Alt2
Node: NML0210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 38.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 55.9184 ac
Curve Number: 80.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: ML0220

Scenario: Alt2
Node: NML0220
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 35.9553 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0300

Scenario: Alt2
Node: NML0300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 38.8395 ac
Curve Number: 63.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: ML0310

Scenario: Alt2
Node: NML0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 33.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.3816 ac
Curve Number: 67.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0400

Scenario: Alt2
Node: NML0400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.7492 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0410

Scenario: Alt2
Node: NML0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 381.7660 ac
Curve Number: 78.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0420

Scenario: Alt2
Node: NML0420
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 312.5364 ac
Curve Number: 69.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0430

Scenario: Alt2
Node: NML0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 132.1490 ac
Curve Number: 44.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Comment:

Simple Basin: ML0500

Scenario: Alt2
Node: NML0500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 34.8720 ac
Curve Number: 78.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0510

Scenario: Alt2
Node: NML0510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.0957 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Simple Basin: ML0520

Scenario: Alt2
Node: NML0520
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 25.8523 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0530

Scenario: Alt2
Node: NML0530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 75.0376 ac
Curve Number: 73.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 06_M_0100_NT

Scenario: Alt2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 10.50 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.50
0	0	0	300.0000	2.50

Comment:

Node: 06_M_0110_NE

Scenario: Alt2
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.50 ft
 Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0010	44
2.67	0.0110	479
3.17	0.0120	523
4.17	0.0180	784
4.67	0.0200	871
5.17	0.0210	915
5.67	0.0210	915
6.17	0.0220	958
6.67	0.0220	958
7.17	0.0260	1133
7.67	0.0300	1307
8.17	0.0350	1525
8.67	0.0470	2047
9.17	0.0850	3703
9.67	0.1620	7057
10.17	0.2690	11718
10.67	0.4950	21562
11.17	0.6880	29969
11.67	0.7550	32888
12.25	0.7600	33106

Comment:

Node: 06_M_0120_NS

Scenario: Alt2
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.86 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
8.83	0.0006	26
9.33	0.0339	1477
9.83	0.0660	2875
10.33	0.1486	6473
10.83	0.2266	9871
11.33	0.3569	15547
11.83	0.4739	20643
12.33	0.5789	25217
12.83	0.6684	29116
13.33	0.7510	32714
13.83	0.8199	35715
14.33	0.8532	37165
14.83	0.8893	38738
14.92	0.8904	38786
3.90	0.0001	4

Comment:

Node: 06_M_0125_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.08 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.52	0.0010	44
8.02	0.0380	1655
8.52	0.2040	8886
9.02	0.4340	18905
9.52	0.9400	40946
10.02	2.2630	98576
10.52	4.0470	176287
11.02	5.9350	258529
11.52	7.6910	335020
12.02	8.6800	378101
12.52	9.3670	408027
13.02	9.7980	426801
13.52	10.0750	438867
14.02	10.2670	447231
14.52	10.4100	453460
15.02	10.5250	458469
15.52	10.6230	462738
16.02	10.6980	466005

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.70	10.7430	467965
6.12	0.0010	44

Comment:

Node: 06_M_0130_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.21	0.0006	26
9.71	0.0132	575
10.21	0.0809	3524
10.71	0.2467	10746
11.21	0.4424	19271
11.71	0.5789	25217
12.21	0.7143	31115
12.71	0.7992	34813
13.21	0.8709	37936
13.71	0.9381	40864
14.21	0.9690	42210
14.54	0.9713	42310
4.50	0.0001	4

Comment:

Node: 06_M_0140_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.98 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.02	0.0010	44
13.00	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0145_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.14 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0006	26
9.82	0.0218	950
10.32	0.1836	7998
10.82	0.5141	22394
11.32	1.0844	47236
11.82	1.3099	57059
12.32	1.3667	59533
12.82	1.3862	60383
13.32	1.4011	61032
13.82	1.4263	62130
13.99	1.4286	62230
8.18	0.0001	4

Comment:

Node: 06_M_0200_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.98 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
3.98	0.0010	44
9.27	0.0010	44
9.77	0.0010	44
10.27	0.0300	1307
10.77	0.2200	9583
11.27	0.5700	24829
11.77	0.8300	36155
12.27	0.9800	42689
12.77	1.0700	46609
13.27	1.1100	48352
13.77	1.1200	48787
14.47	1.1300	49223

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0205_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.49 ft
Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.98	0.0010	44
7.48	0.0100	436
7.98	0.0200	871
8.48	0.0500	2178
8.98	0.0900	3920
9.48	0.4800	20909
9.98	1.6700	72745
10.48	3.9700	172933
10.98	7.0800	308405
11.48	12.7300	554519
11.98	22.9500	999702
12.48	36.4500	1587762
12.98	57.5000	2504700
13.48	84.3100	3672544
13.98	111.1100	4839952
14.48	130.6300	5690243
14.98	144.9600	6314458
15.48	154.6900	6738296
15.98	161.2500	7024050
16.48	165.2400	7197854
16.98	167.8800	7312853
17.48	169.7900	7396052
17.98	171.1200	7453987
18.48	171.9200	7488835
18.98	172.2100	7501468
19.48	172.2900	7504952
20.17	172.3100	7505824

Comment:

Node: 06_M_0210_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.13	0.0006	26

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
7.63	0.0017	74
8.13	0.0023	100
8.63	0.0052	227
9.13	0.0080	348
9.63	0.0178	775
10.13	0.0396	1725
10.63	0.0711	3097
11.13	0.1480	6447
11.63	0.3052	13295
12.13	0.5646	24594
12.63	0.8153	35514
13.13	1.0821	47136
13.63	1.2226	53256
14.13	1.3041	56807
14.63	1.3689	59629
14.82	1.3735	59830

Comment:

Node: 06_M_0220_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 9.46 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0010	44
5.71	0.0270	1176
6.21	0.0560	2439
6.71	0.0720	3136
7.21	0.0830	3615
7.71	0.0920	4008
8.21	0.0990	4312
8.71	0.1100	4792
9.21	0.1220	5314
9.71	0.1380	6011
10.21	0.1770	7710
10.71	0.2510	10934
11.21	0.6450	28096
11.71	1.1720	51052
12.21	1.5540	67692
12.71	1.7840	77711
13.21	1.9830	86379
13.71	2.0970	91345
14.21	2.1260	92609

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
14.61	2.1310	92826

Comment:

Node: 06_M_0230_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.36 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0010	44
10.20	0.0010	44

Comment:

Node: 06_M_0240_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
7.19	0.0530	2309
7.69	0.0570	2483
8.19	0.0680	2962
8.69	0.0830	3615
9.19	0.0900	3920
9.69	0.0960	4182
10.19	0.1030	4487
10.69	0.1080	4704
11.19	0.1210	5271
11.69	0.2150	9365
12.19	0.3690	16074
12.69	0.4070	17729
13.19	0.4440	19341
13.69	0.4810	20952
14.19	0.5080	22128
14.67	0.5110	22259

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Node: 06_M_0250_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Comment:

Node: 06_M_0260_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.96	0.0010	44
11.73	0.0630	2744
12.23	0.2500	10890
12.73	0.3950	17206
13.23	0.4340	18905
13.73	0.4560	19863
14.23	0.5290	23043
14.58	0.5560	24219

Comment:

Node: 06_M_0270_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.42	0.0010	44
11.57	0.0050	218
12.07	0.0240	1045

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.57	0.1390	6055
13.07	0.2860	12458
13.57	0.3890	16945
14.07	0.4440	19341
14.57	0.5060	22041
15.07	0.6060	26397
15.57	0.6390	27835
15.95	0.6430	28009

Comment:

Node: 06_M_0280_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0290_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.51	0.0010	44
10.82	0.0060	261
11.32	0.0100	436
11.82	0.0210	915
12.32	0.0840	3659
12.82	0.4350	18949
13.32	0.6580	28662
13.82	0.7590	33062
14.32	0.8200	35719
14.82	0.8890	38725
15.32	0.9740	42427

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.77	1.0840	47219

Comment:

Node: 06_M_0300_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.18	0.0010	44
11.68	0.0070	305
12.18	0.0150	653
12.68	0.0380	1655
13.18	0.3310	14418
13.68	0.8390	36547
14.18	0.9690	42210
14.68	1.0120	44083
15.18	1.0480	45651
15.68	1.0770	46914
16.18	1.0880	47393
16.58	1.0900	47480
6.78	0.0010	44

Comment:

Node: 06_M_0310_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.86 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.02	0.0010	44
9.52	0.0010	44
10.02	0.0010	44
10.52	0.0010	44
11.02	0.0010	44
11.52	0.0050	218
12.02	0.0130	566

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.52	0.0260	1133
13.02	0.0430	1873
13.52	0.0680	2962
14.02	0.1740	7579
14.52	0.2750	11979
15.02	0.3180	13852
15.52	0.3780	16466
16.02	0.4040	17598
16.69	0.4660	20299
6.90	0.0010	44

Comment:

Node: 06_M_0315_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.55 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.88	0.0010	44
10.38	0.2210	9627
10.88	0.2690	11718
11.38	0.8840	38507
11.88	2.6430	115129
12.38	5.1090	222548
12.88	7.9370	345736
13.38	11.0630	481904
13.88	15.4690	673830
14.38	19.5260	850553
14.88	22.2290	968295
15.38	24.2730	1057332
15.88	25.9540	1130556
16.38	27.0080	1176468
16.88	27.6060	1202517
17.38	28.0130	1220246
17.88	28.1920	1228044
18.38	28.2840	1232051
18.88	28.3110	1233227
19.38	28.3200	1233619
19.67	28.3220	1233706

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0320_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.04	0.0010	44
16.40	0.0010	44

Comment:

Node: 06_M_0400_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.26 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.75	0.0010	44
12.25	0.0010	44
12.75	0.0010	44
13.25	0.0020	87
13.75	0.0240	1045
14.25	0.1470	6403
14.75	0.2130	9278
15.25	0.2330	10149
15.75	0.2390	10411
16.25	0.2910	12676
16.55	0.3310	14418
7.30	0.0010	44

Comment:

Node: 06_M_0410_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.76 ft
Warning Stage: 10.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.59	0.0010	44
11.09	0.0240	1045
11.59	0.1510	6578
12.09	0.4450	19384
12.59	1.0030	43691
13.09	1.7540	76404
13.59	3.0670	133599
14.09	4.0750	177507
14.59	4.5330	197457
15.09	4.7160	205429
15.59	4.7610	207389
16.11	4.7680	207694
7.80	0.0010	44

Comment:

Node: 06_M_0420_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.22	0.0010	44
9.72	0.0050	218
10.22	0.0120	523
10.72	0.0260	1133
11.22	0.0420	1830
11.72	0.0830	3615
12.22	0.2950	12850
12.72	0.5590	24350
13.22	0.7170	31233
13.72	0.8020	34935
14.22	0.8720	37984
14.72	0.9350	40729
15.22	0.9660	42079
15.72	1.0940	47655
16.26	1.2070	52577
8.30	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0425_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.09	0.0010	44
11.59	0.0550	2396
12.09	0.8250	35937
12.59	2.6840	116915
13.09	4.3780	190706
13.59	5.6480	246027
14.09	6.3590	276998
14.59	6.7600	294466
15.09	7.0800	308405
15.59	7.3950	322126
16.09	7.6670	333975
16.59	7.8720	342904
17.09	8.0460	350484
17.59	8.2250	358281
18.09	8.3300	362855
18.59	8.3800	365033
19.09	8.3920	365556
19.43	8.3940	365643

Comment:

Node: 06_M_0430_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.83 ft

Stage [ft]	Area [ac]	Area [ft2]
8.91	0.0010	44
16.00	0.0010	44

Comment:

Node: 06_M_0500_NS

Scenario: Alt2

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.60 ft

Stage [ft]	Area [ac]	Area [ft2]
11.31	0.0010	44
11.81	0.2090	9104
12.31	0.5240	22825
12.81	0.7860	34238
13.31	0.9910	43168
13.81	1.1290	49179
14.31	1.1840	51575
14.81	1.1900	51836
15.31	1.1980	52185
15.81	1.3180	57412
16.16	1.3870	60418
8.00	0.0010	44

Comment:

Node: 06_M_0510_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.13 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.68	0.0010	44
12.18	0.0160	697
12.68	0.0890	3877
13.18	0.1700	7405
13.68	0.2590	11282
14.18	0.4750	20691
14.68	0.7380	32147
15.18	0.7880	34325
15.68	0.7940	34587
16.18	0.7990	34804
16.71	0.8050	35066
9.17	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0520_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.57 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.26	0.0010	44
11.76	0.0210	915
12.26	0.1590	6926
12.76	0.5540	24132
13.26	0.9080	39552
13.76	1.2120	52795
14.26	1.5850	69043
14.76	2.0450	89080
15.26	2.2770	99186
15.76	2.3670	103107
16.26	2.4530	106853
16.76	2.5160	109597
17.26	2.5430	110773
17.76	2.5880	112733
18.26	2.5980	113169
9.61	0.0010	44

Comment:

Node: 06_M_0525_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.53 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.98	0.0010	44
10.48	0.3090	13460
10.98	0.5620	24481
11.48	2.9520	128589
11.98	6.1600	268330
12.48	10.0960	439782
12.98	15.6680	682498
13.48	21.2960	927654
13.98	26.6820	1162268
14.48	31.4830	1371399
14.98	35.9660	1566679
15.48	39.9180	1738828

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.98	42.9240	1869769
16.48	44.6310	1944126
16.98	45.2600	1971526
17.48	45.5190	1982808
17.98	45.6380	1987991
18.48	45.6780	1989734
19.19	45.6920	1990344

Comment:

Node: 06_M_0530_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
10.08	0.0010	44
10.71	0.0010	44
11.21	0.0210	915
11.71	0.4220	18382
12.21	1.6750	72963
12.71	3.1440	136953
13.21	4.0570	176723
13.71	4.8010	209132
14.21	5.7290	249555
14.71	6.5850	286843
15.21	7.1740	312499
15.71	7.4560	324783
16.21	7.6540	333408
16.71	7.8060	340029
17.21	7.8760	343079
17.71	7.9080	344472
18.21	7.9430	345997
18.71	7.9620	346825
19.21	7.9650	346955
19.65	7.9680	347086

Comment:

Node: 06_M_0600_NS

Scenario: Alt2

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.9500	41382
13.96	1.3500	58806
14.96	1.5500	67518

Comment:

Node: 06_M_0610_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.66 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.66	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0620_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.96	0.1100	4792
9.96	0.1800	7841
10.96	0.2100	9148
11.96	0.2700	11761
12.96	0.3900	16988
13.96	1.1400	49658
14.96	1.5000	65340

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0630_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4300	18731
13.96	0.8300	36155
14.96	1.8700	81457
15.96	2.0000	87120

Comment:

Node: 06_M_0640_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.79	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0650_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4400	19166
13.96	3.1400	136778
14.96	5.2700	229561
15.96	6.2400	271814

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0660_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.27	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0670_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	1.4100	61420
14.96	3.1800	138521
15.96	3.4700	151153

Comment:

Node: 06_M_0680_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.52 ft
Warning Stage: 14.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.5800	25265
12.96	1.2500	54450
13.96	1.5000	65340
14.96	1.8000	78408
15.96	2.1400	93218

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_0690_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.07 ft
Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.07	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0700_NE

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.27 ft
Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.27	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0710_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.50 ft
Warning Stage: 17.26 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	0.0010	44
18.30	0.0010	44

Comment:

Node: 06_M_1000_NS

Scenario: Alt2
Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Base Flow: 0.00 cfs
Initial Stage: 10.37 ft
Warning Stage: 13.56 ft

Stage [ft]	Area [ac]	Area [ft2]
9.96	0.0100	436
14.96	0.0200	871

Comment:

Node: 06_M_1100_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.96 ft
Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	8.9000	387684
12.96	20.5800	896465
13.96	30.2500	1317690
14.96	35.6400	1552478

Comment:

Node: 06_M_2000_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.41 ft
Warning Stage: 16.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.0100	436
17.96	0.0200	871

Comment:

Node: 06_M_2100_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Initial Stage: 12.46 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	12.0100	523156
12.96	38.7300	1687079
13.96	56.6100	2465932
14.96	96.3400	4196570
15.96	114.8100	5001124

Comment:

Node: 06_M_2200_NP

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.06 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.06	4.8900	213008
14.96	4.9900	217364
15.96	5.1000	222156
18.96	5.4500	237402
19.46	5.5200	240451
19.96	5.5800	243065

Comment:

Node: 06_M_2300_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.2000	182952
14.96	7.3700	321037
15.96	10.1000	439956
18.96	11.5800	504425

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: 06_M_2400_NP

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	6.7500	294030
14.96	6.8900	300128
17.96	7.2900	317552
18.46	7.3600	320602
19.46	7.5000	326700
19.96	7.5700	329749

Comment:

Node: 06_M_2500_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.6900	204296
14.96	13.0200	567151
15.96	29.9000	1302444
16.96	37.9880	1654757

Comment:

Node: 06_M_2600_NP

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	1.6700	72745
16.96	1.7400	75794
17.96	1.8100	78844
19.46	1.9100	83200

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
19.96	1.9500	84942

Comment:

Node: 06_M_2700_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	12.9100	562360
14.96	37.0400	1613462
15.96	59.9400	2610986
16.96	93.4500	4070682
19.96	118.3000	5153148

Comment:

Node: 06_M_2800_NP

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 20.46 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	7.7700	338461
20.46	8.7100	379408

Comment:

Node: 06_M_3000_NC

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 15.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_3100_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.04 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
12.40	1.1070	48221
12.90	1.1580	50442
13.40	1.2580	54798
13.90	2.0910	91084
14.40	4.3660	190183
14.90	6.6900	291416
15.40	10.2650	447143
15.90	16.0230	697962
16.40	24.0270	1046616
16.90	33.0730	1440660
17.40	41.5060	1808001
17.90	47.9440	2088441
18.40	52.8770	2303322
18.90	56.8390	2475907
19.40	61.1330	2662953
19.90	65.0850	2835103
20.40	69.1860	3013742
20.90	74.0930	3227491
21.40	80.4820	3505796
21.90	88.6950	3863554
22.40	99.8800	4350773
22.90	111.5970	4861165
23.40	121.6880	5300729
23.90	128.3280	5589968
24.40	132.8070	5785073
24.90	136.7730	5957832
25.40	140.3440	6113385
25.90	143.4410	6248290
26.40	145.8960	6355230
26.90	147.2560	6414471
27.40	148.0820	6450452
27.90	148.4120	6464827
28.40	148.5090	6469052

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.90	148.5940	6472755
29.40	148.6340	6474497
29.79	148.6410	6474802

Comment:

Node: 06_M_3200_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.46	0.0010	44
16.96	0.0390	1699
17.46	0.9910	43168
17.96	6.4770	282138
18.46	11.0890	483037
18.96	13.0900	570200
19.46	13.8640	603916
19.96	14.2210	619467
20.46	14.4460	629268
20.96	14.7550	642728
21.46	15.0780	656798
21.96	15.2970	666337
22.46	15.4260	671957
22.96	15.5160	675877
23.46	15.5820	678752
23.96	15.6140	680146
24.46	15.6390	681235
24.96	15.6630	682280
25.62	15.6810	683064

Comment:

Node: 06_M_3250_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 18.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.96	0.0010	44
20.00	0.0010	44

Comment:

Node: 06_M_3300_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.96	0.6200	27007
15.96	14.1500	616374
16.96	20.3100	884704
17.96	24.7300	1077239
18.96	28.2300	1229699

Comment:

Node: 06_M_3400_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.6300	27443
17.96	7.0000	304920
18.96	34.7900	1515452
19.96	56.4300	2458091
20.96	70.2700	3060961
21.96	78.3900	3414668

Comment:

Node: 06_M_3500_ND

Scenario: Alt2
Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Base Flow: 0.00 cfs
Initial Stage: 18.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
18.96	6.2600	272686
19.96	9.0100	392476
20.96	12.1100	527512
21.96	15.0200	654271
22.96	18.3200	798019

Comment:

Node: 06_M_3600_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.2800	12197
20.96	18.4600	804118
21.96	30.1100	1311592
22.96	47.0000	2047320
28.96	76.5500	3334518

Comment:

Node: 06_M_4100_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.0010	44
18.00	0.0070	305
18.50	1.3160	57325
19.00	4.2860	186698
19.50	10.6220	462694
20.00	16.7480	729543
20.50	22.7160	989509

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.00	28.5720	1244596
21.50	35.3880	1541501
22.00	42.7530	1862321
22.50	48.7750	2124639
23.00	52.2900	2277752
23.50	55.5660	2420455
24.00	57.3780	2499386
24.50	58.7050	2557190
25.00	59.8360	2606456
25.50	60.8650	2651279
26.00	62.0550	2703116
26.50	63.3040	2757522
27.00	64.6950	2818114
27.50	66.2110	2884151
28.00	68.0880	2965913
28.50	70.4610	3069281
29.00	73.6690	3209022
29.50	77.6550	3382652
30.00	81.9040	3567738
30.50	85.4170	3720765
31.00	88.1950	3841774
31.50	91.1840	3971975
32.00	94.4130	4112630
32.50	96.3510	4197050
33.00	97.2680	4236994
33.50	97.6240	4252501
34.00	97.9080	4264872
34.50	98.0760	4272191
35.00	98.1850	4276939
35.50	98.3080	4282296
36.00	98.3680	4284910
36.50	98.3940	4286043
36.86	98.3980	4286217

Comment:

Node: 06_M_4200_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
17.00	0.0010	44
17.51	0.0200	871

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
18.01	1.1800	51401
18.51	1.9970	86989
19.01	2.7710	120705
19.51	3.8130	166094
20.01	5.0050	218018
20.51	6.3830	278043
21.01	8.4520	368169
21.51	10.9650	477635
22.01	13.2350	576517
22.51	14.6640	638764
23.01	15.7650	686723
23.51	16.6280	724316
24.01	17.0870	744310
24.51	17.3720	756724
25.01	17.5100	762736
25.51	17.5590	764870
26.01	17.5900	766220
26.51	17.6210	767571
27.01	17.6630	769400
27.51	17.6980	770925
27.79	17.7030	771143

Comment:

Node: 06_M_5000_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.36 ft
Warning Stage: 23.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.36	0.0010	44
25.00	0.0010	44

Comment:

Node: 06_M_5100_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.96 ft
Warning Stage: 24.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.96	0.5600	24394
22.96	0.8600	37462
23.96	2.7900	121532
24.96	6.6400	289238
25.96	10.7300	467399

Comment:

Node: 06_M_5200_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.06	0.0010	44
28.00	0.0010	44

Comment:

Node: 06_M_5300_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 31.56 ft
Warning Stage: 43.96 ft

Stage [ft]	Area [ac]	Area [ft2]
31.56	0.0010	44
45.00	0.0010	44

Comment:

Node: 06_M_5400_NS

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.46 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.46	0.0100	436
26.96	0.0200	871

Comment:

Node: 06_M_5500_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 24.46 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.4100	17860
20.96	3.3200	144619
21.96	16.4400	716126
22.96	25.2400	1099454
23.96	42.0000	1829520
24.96	52.7200	2296483
25.96	64.1700	2795245
26.96	83.7000	3645972
27.96	92.4900	4028864

Comment:

Node: 06_M_5600_ND

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	3.0400	132422
20.96	4.0300	175547
21.96	5.1600	224770
22.96	22.2800	970517
23.96	87.4700	3810193
24.96	116.3600	5068642
25.96	145.5700	6341029
26.96	182.3600	7943602
28.96	225.4600	9821038

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
33.96	295.8300	12886355

Comment:

Node: MULLET_LAKE

Scenario: Alt2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.58
0	0	0	300.0000	2.58

Comment:

Node: NML0000

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.30	0.0010	44
1.40	0.0010	44
1.50	0.0010	44
2.00	0.0690	3006
2.50	1.8720	81544
3.00	13.4810	587232
3.30	32.9360	1434692
4.30	58.4950	2548042
5.30	70.2870	3061702
6.30	81.3930	3545479
7.30	92.7960	4042194
8.30	101.6500	4427874
9.30	110.1630	4798700
9.80	113.5660	4946935
10.00	113.6280	4949636
10.50	116.7300	5084759
11.00	119.6550	5212172

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
11.50	122.4540	5334096
12.00	124.6500	5429754
12.50	126.4540	5508336
13.00	127.9360	5572892
13.50	129.4860	5640410
14.00	131.1580	5713242
14.50	132.9010	5789168
15.00	134.9130	5876810
15.50	137.0640	5970508
16.00	138.9340	6051965
16.50	140.1880	6106589
17.00	141.0000	6141960
17.50	141.2470	6152719
18.00	141.3110	6155507
18.50	141.3420	6156858
19.00	141.3700	6158077
19.41	141.3740	6158251

Comment:

Node: NML0050

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.90 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
7.90	0.0010	44
10.22	0.0120	523
10.72	0.2900	12632
11.22	1.0380	45215
11.72	2.5470	110947
12.22	3.9070	170189
12.72	4.8690	212094
13.22	5.6010	243980
13.72	6.3530	276737
14.22	7.0360	306488
14.72	7.4770	325698
15.22	7.6470	333103
15.72	7.8090	340160
16.22	7.8250	340857
16.72	7.8340	341249
17.22	7.8440	341685
17.48	7.8480	341859

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Node: NML0100

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.30 ft
Warning Stage: 8.12 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0010	44
4.75	0.0350	1525
5.25	0.1140	4966
5.75	0.2740	11935
6.25	0.4980	21693
6.75	0.9750	42471
7.25	2.1380	93131
7.75	3.5290	153723
8.25	4.9500	215622
8.75	6.3560	276867
9.25	7.4310	323694
9.75	8.3640	364336
10.25	9.2700	403801
10.75	10.3530	450977
11.25	12.0340	524201
11.75	14.0980	614109
12.25	16.1080	701664
12.75	17.7440	772929
13.25	19.4120	845587
13.75	21.3550	930224
14.25	23.2350	1012117
14.75	25.1750	1096623
15.25	27.3310	1190538
15.75	29.1270	1268772
16.25	31.1370	1356328
16.75	32.8780	1432166
17.25	34.8420	1517718
17.75	37.1120	1616599
18.25	39.4660	1719139
18.75	41.7670	1819371
19.25	44.1220	1921954
19.75	46.2520	2014737
20.25	48.1680	2098198
20.75	50.3520	2193333
21.25	51.5320	2244734
21.75	52.1010	2269520
22.25	52.4710	2285637

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
22.75	52.7860	2299358
23.25	53.1400	2314778
23.75	53.3130	2322314
24.25	53.3910	2325712
24.70	53.4180	2326888
3.30	0.0010	44

Comment:

Node: NML0110

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.90 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.0010	44
10.40	0.0700	3049
10.90	0.4090	17816
11.40	1.4300	62291
11.90	2.6860	117002
12.40	3.8070	165833
12.90	4.8760	212399
13.40	5.6170	244677
13.90	6.2930	274123
14.40	7.4180	323128
14.90	8.1220	353794
15.40	8.5300	371567
15.90	8.6920	378624
16.40	8.7850	382675
16.90	8.8510	385550
17.40	8.9040	387858
17.90	8.9320	389078
18.40	8.9500	389862
18.90	8.9560	390123
19.55	8.9600	390298
7.90	0.0010	44

Comment:

Node: NML0120

Scenario: Alt2

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.69 ft
Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
15.04	0.0010	44
15.54	0.0130	566
16.04	0.0480	2091
16.54	0.0980	4269
17.04	0.1620	7057
17.54	0.2300	10019
18.04	0.3000	13068
18.54	0.4020	17511
19.04	0.4990	21736
19.54	0.6120	26659
20.04	0.7350	32017
20.54	0.8300	36155
21.04	0.8720	37984
21.54	0.9010	39248
22.04	0.9300	40511
22.54	0.9500	41382
23.04	0.9690	42210
23.54	0.9890	43081
24.04	1.0020	43647
24.54	1.0170	44301
25.04	1.0390	45259
25.73	1.0520	45825

Comment:

Node: NML0150

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 20.30 ft

Stage [ft]	Area [ac]	Area [ft2]
18.30	0.0010	44
18.80	1.0330	44997
19.30	1.2550	54668
19.80	2.0080	87468
20.30	2.8720	125104
20.80	6.2140	270682
21.30	12.5080	544848
21.80	15.6940	683631

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
22.30	17.9430	781597
22.80	19.5320	850814
23.30	20.4330	890061
23.80	20.9720	913540
24.30	21.6770	944250
24.80	22.2490	969166
25.30	22.4460	977748
25.80	22.5770	983454
26.30	22.7590	991382
26.80	22.9290	998787
27.30	22.9980	1001793
27.96	23.0020	1001967

Comment:

Node: NML0200

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.10 ft
Warning Stage: 5.55 ft

Stage [ft]	Area [ac]	Area [ft2]
3.01	0.0010	44
3.51	0.0110	479
4.01	0.0350	1525
4.51	0.0960	4182
5.01	0.2360	10280
5.51	0.5400	23522
6.01	1.4910	64948
6.51	3.3320	145142
7.01	8.2170	357933
7.51	14.8390	646387
8.01	20.8740	909271
8.51	26.2620	1143973
9.01	31.8700	1388257
9.51	36.6300	1595603
10.01	40.8880	1781081
10.51	44.9020	1955931
11.01	47.7970	2082037
11.51	49.6500	2162754
12.01	51.0070	2221865
12.51	52.3310	2279538
13.01	53.7660	2342047
13.51	55.2940	2408607
14.01	56.8520	2476473

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
14.51	57.5730	2507880
15.01	57.9610	2524781
15.51	58.2480	2537283
16.01	58.3090	2539940
16.47	58.3170	2540289

Comment:

Node: NML0210

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0490	2134
6.45	0.0890	3877
6.95	1.7010	74096
7.45	5.5070	239885
7.95	12.2730	534612
8.45	18.6630	812960
8.95	24.2790	1057593
9.45	29.2130	1272518
9.95	33.9910	1480648
10.45	40.5850	1767883
10.95	44.7890	1951009
11.45	48.5690	2115666
11.95	51.8240	2257453
12.45	53.2980	2321661
12.95	54.0350	2353765
13.45	54.5870	2377810
13.95	55.0500	2397978
14.45	55.4250	2414313
14.95	55.6940	2426031
15.45	55.8170	2431389
15.95	55.8700	2433697
16.41	55.8860	2434394
5.40	0.0010	44

Comment:

Node: NML0220

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.80 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
6.82	0.0010	44
7.32	0.0340	1481
7.82	0.3880	16901
8.32	0.9840	42863
8.82	1.6530	72005
9.32	2.1770	94830
9.82	3.1720	138172
10.32	5.6270	245112
10.82	9.1660	399271
11.32	13.7940	600867
11.82	18.1200	789307
12.32	22.1890	966553
12.82	25.7450	1121452
13.32	29.6650	1292207
13.82	32.9250	1434213
14.32	34.3710	1497201
14.82	35.0220	1525558
15.32	35.5150	1547033
15.82	35.8480	1561539
16.32	35.9390	1565503
16.82	35.9730	1566984
17.32	35.9820	1567376

Comment:

Node: NML0300

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.84 ft
Warning Stage: 11.70 ft

Stage [ft]	Area [ac]	Area [ft2]
7.34	0.0010	44
7.84	0.0250	1089
8.34	0.1290	5619
8.84	0.2340	10193
9.34	0.3920	17076
9.84	0.5570	24263
10.34	0.7250	31581

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.84	0.9070	39509
11.34	1.1020	48003
11.84	1.3150	57281
12.34	1.5550	67736
12.84	1.7720	77188
13.34	2.0140	87730
13.84	2.2620	98533
14.34	2.5650	111731
14.84	2.8820	125540
15.34	3.2880	143225
15.84	3.9890	173761
16.34	5.4370	236836
16.84	6.9250	301653
17.34	7.9490	346258
17.84	8.9010	387728
18.34	10.0230	436602
18.84	11.6250	506385
19.34	13.3920	583356
19.84	15.0760	656711
20.34	17.2090	749624
20.84	19.5640	852208
21.34	22.5730	983280
21.84	26.0950	1136698
22.34	29.0320	1264634
22.84	31.3410	1365214
23.34	33.1320	1443230
23.84	35.1820	1532528
24.34	36.9290	1608627
24.84	37.8410	1648354
25.34	38.4440	1674621
25.84	38.6980	1685685
26.34	38.8080	1690476
26.67	38.8230	1691130

Comment:

Node: NML0310

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.66 ft
Warning Stage: 20.10 ft

Stage [ft]	Area [ac]	Area [ft2]
19.66	1.0680	46522
20.16	1.0840	47219

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.66	1.1060	48177
21.16	1.1290	49179
21.66	1.1530	50225
22.16	1.2110	52751
22.66	1.3690	59634
23.16	1.8270	79584
23.66	2.9260	127457
24.16	4.7360	206300
24.66	7.7310	336762
25.16	9.1530	398705
25.72	9.3910	409072

Comment:

Node: NML0400

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.10 ft
Warning Stage: 12.20 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0010	44
9.82	0.0140	610
10.32	0.0350	1525
10.82	0.0770	3354
11.32	0.1250	5445
11.82	0.1780	7754
12.32	0.2800	12197
12.82	0.3940	17163
13.32	0.5180	22564
13.82	0.6550	28532
14.32	0.7990	34804
14.82	0.9930	43255
15.32	1.2940	56367
15.82	1.8880	82241
16.32	2.6320	114650
16.82	3.1770	138390
17.32	3.6010	156860
17.82	3.9540	172236
18.32	4.2880	186785
18.82	4.5220	196978
19.32	4.7940	208827
19.82	5.1220	223114
20.32	5.4130	235790
20.82	5.6730	247116

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.32	5.7440	250209
21.75	5.7540	250644

Comment:

Node: NML0410

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
12.86	0.0010	44
13.36	0.0650	2831
13.86	2.3670	103107
14.36	8.5900	374180
14.86	15.7800	687377
15.36	21.3510	930050
15.86	25.3410	1103854
16.36	28.5390	1243159
16.86	31.6400	1378238
17.36	34.6440	1509093
17.86	37.1850	1619779
18.36	39.8450	1735648
18.86	43.0860	1876826
19.36	46.6690	2032902
19.86	50.4260	2196557
20.36	54.7800	2386217
20.86	60.2240	2623357
21.36	67.5530	2942609
21.86	75.5090	3289172
22.36	83.1740	3623059
22.86	91.3130	3977594
23.36	102.0060	4443381
23.86	112.4190	4896972
24.36	123.8010	5392772
24.86	140.0460	6100404
25.36	174.2800	7591637
25.86	216.8760	9447119
26.36	252.2660	10988707
26.86	289.1130	12593762
27.36	315.9300	13761911
27.86	330.3960	14392050
28.36	340.2480	14821203
28.86	349.4620	15222565

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
29.36	358.3800	15611033
29.86	365.9130	15939170
30.36	371.4710	16181277
30.86	374.7100	16322368
31.36	377.3980	16439457
31.86	379.3460	16524312
32.36	380.5620	16577281
32.86	381.2610	16607729
33.36	381.6060	16622757
33.86	381.7280	16628072
34.36	381.7420	16628682
34.86	381.7490	16628986
35.58	381.7580	16629378

Comment:

Node: NML0420

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.90 ft
Warning Stage: 26.70 ft

Stage [ft]	Area [ac]	Area [ft2]
19.17	0.0010	44
19.67	0.0010	44
20.17	0.0650	2831
20.67	0.8740	38071
21.17	3.6030	156947
21.67	7.3200	318859
22.17	11.8740	517231
22.67	18.6690	813222
23.17	27.0950	1180258
23.67	36.9290	1608627
24.17	49.0380	2136095
24.67	64.7770	2821686
25.17	83.8940	3654423
25.67	109.0400	4749782
26.17	134.2810	5849280
26.67	152.2940	6633927
27.17	163.5570	7124543
27.67	170.9870	7448194
28.17	177.0420	7711950
28.67	185.0510	8060822
29.17	194.1250	8456085
29.67	201.0040	8755734

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
30.17	209.4950	9125602
30.67	216.3410	9423814
31.17	223.0020	9713967
31.67	227.7400	9920354
32.17	233.0580	10152006
32.67	239.8120	10446211
33.17	245.6980	10702605
33.67	250.1250	10895445
34.17	254.0920	11068248
34.67	259.0960	11286222
35.17	263.9100	11495920
35.67	266.9280	11627384
36.17	269.1900	11725916
36.67	271.2850	11817175
37.17	273.7430	11924245
37.67	275.6160	12005833
38.17	277.0970	12070345
38.67	278.5350	12132985
39.17	280.1680	12204118
39.67	281.8330	12276645
40.17	283.6970	12357841
40.67	285.5110	12436859
41.17	287.3130	12515354
41.67	288.9460	12586488
42.17	290.4970	12654049
42.67	291.9700	12718213
43.17	293.4380	12782159
43.67	294.7990	12841444
44.17	296.1790	12901557
44.67	297.6530	12965765
45.17	299.3400	13039250
45.67	301.2920	13124280
46.17	303.1410	13204822
46.67	304.9690	13284450
47.17	306.6100	13355932
47.67	307.8470	13409815
48.17	308.7460	13448976
48.67	309.5480	13483911
49.17	310.3410	13518454
49.67	311.2020	13555959
50.17	311.9580	13588890
50.67	312.3050	13604006
51.17	312.4950	13612282
51.67	312.5570	13614983
51.99	312.5670	13615419

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Node: NML0430

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.87 ft
Warning Stage: 32.50 ft

Stage [ft]	Area [ac]	Area [ft2]
26.46	0.0010	44
26.96	0.2250	9801
27.46	0.2840	12371
27.96	0.3470	15115
28.46	0.4960	21606
28.96	0.7500	32670
29.46	1.3750	59895
29.96	4.0820	177812
30.46	6.9390	302263
30.96	8.7190	379800
31.46	10.6440	463653
31.96	12.6940	552951
32.46	14.7470	642379
32.96	16.6710	726189
33.46	18.8350	820453
33.96	21.2620	926173
34.46	23.8150	1037381
34.96	26.7300	1164359
35.46	29.8440	1300005
35.96	32.0930	1397971
36.46	33.8410	1474114
36.96	34.9770	1523598
37.46	35.7970	1559317
37.96	36.5690	1592946
38.46	37.4010	1629188
38.96	38.0880	1659113
39.46	38.8300	1691435
39.96	39.6100	1725412
40.46	40.5670	1767099
40.96	41.6710	1815189
41.46	42.6910	1859620
41.96	43.5140	1895470
42.46	44.3790	1933149
42.96	45.3340	1974749
43.46	46.3410	2018614
43.96	47.5120	2069623
44.46	49.0470	2136487
44.96	50.4110	2195903
45.46	51.7020	2252139
45.96	53.0460	2310684
46.46	54.5110	2374499

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
46.96	56.5080	2461488
47.46	58.8590	2563898
47.96	61.1750	2664783
48.46	63.2060	2753253
48.96	65.5340	2854661
49.46	67.8250	2954457
49.96	70.7010	3079736
50.46	73.1890	3188113
50.96	75.5120	3289303
51.46	77.7280	3385832
51.96	80.1910	3493120
52.46	83.1540	3622188
52.96	85.5400	3726122
53.46	88.0530	3835589
53.96	90.9360	3961172
54.46	93.6170	4077957
54.96	96.4150	4199837
55.46	99.1800	4320281
55.96	102.5050	4465118
56.46	105.0670	4576719
56.96	107.0270	4662096
57.46	108.6720	4733752
57.96	110.0950	4795738
58.46	111.8200	4870879
58.96	113.8300	4958435
59.46	115.7220	5040850
59.96	117.2130	5105798
60.46	118.4410	5159290
60.96	119.4080	5201412
61.46	120.1950	5235694
61.96	120.9950	5270542
62.46	121.9040	5310138
62.96	122.6620	5343157
63.46	123.3380	5372603
63.96	124.0140	5402050
64.46	124.5580	5425746
64.96	125.1770	5452710
65.46	125.7820	5479064
65.96	126.2990	5501584
66.46	126.7720	5522188
66.96	127.2910	5544796
67.46	127.7850	5566315
67.96	128.2070	5584697
68.46	128.5730	5600640
68.96	128.9280	5616104
69.46	129.2970	5632177
69.96	129.6420	5647206
70.46	129.9720	5661580

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
70.96	130.2970	5675737
71.46	130.6660	5691811
71.96	131.0090	5706752
72.46	131.3180	5720212
72.96	131.5230	5729142
73.46	131.7020	5736939
73.96	131.8230	5742210
74.46	131.9520	5747829
74.96	132.0710	5753013
75.46	132.1390	5755975
75.96	132.1570	5756759
76.31	132.1590	5756846

Comment:

Node: NML0500

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 12.50 ft

Stage [ft]	Area [ac]	Area [ft2]
8.50	0.0010	44
9.01	0.0010	44
9.51	0.0300	1307
10.01	0.1160	5053
10.51	0.3680	16030
11.01	1.2950	56410
11.51	2.8890	125845
12.01	4.7260	205865
12.51	7.4760	325655
13.01	11.3190	493056
13.51	15.3100	666904
14.01	18.3310	798498
14.51	21.0570	917243
15.01	23.7430	1034245
15.51	25.9380	1129859
16.01	27.7950	1210750
16.51	30.1850	1314859
17.01	32.0350	1395445
17.51	33.1280	1443056
18.01	33.7440	1469889
18.51	34.1450	1487356
19.01	34.5070	1503125
19.51	34.7540	1513884

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.01	34.8320	1517282
20.51	34.8590	1518458
21.01	34.8700	1518937
21.14	34.8700	1518937

Comment:

Node: NML0510

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.20 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.20	0.0010	44
8.43	0.0300	1307
8.93	0.0620	2701
9.43	0.4140	18034
9.93	0.9660	42079
10.43	1.3860	60374
10.93	2.1730	94656
11.43	3.0020	130767
11.93	4.1360	180164
12.43	5.5850	243283
12.93	6.8340	297689
13.43	8.0170	349221
13.93	8.6700	377665
14.43	8.8820	386900
14.93	8.9970	391909
15.43	9.0660	394915
15.93	9.1030	396527
16.56	9.1110	396875

Comment:

Node: NML0520

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 9.80 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
5.50	0.0010	44
8.70	0.0370	1612
9.20	0.5750	25047
9.70	1.7370	75664
10.20	3.7410	162958
10.70	6.7910	295816
11.20	10.3560	451107
11.70	13.9580	608010
12.20	17.0080	740868
12.70	19.5060	849681
13.20	21.9820	957536
13.70	23.8880	1040561
14.20	24.9350	1086169
14.70	25.4420	1108254
15.20	25.7630	1122236
15.70	25.8410	1125634
16.27	25.8490	1125982

Comment:

Node: NML0530

Scenario: Alt2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.80 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.80	0.0010	44
7.65	0.0200	871
8.15	0.0380	1655
8.65	0.1350	5881
9.15	0.3950	17206
9.65	1.0210	44475
10.15	1.5810	68868
10.65	2.0450	89080
11.15	2.6540	115608
11.65	3.3450	145708
12.15	4.0670	177159
12.65	4.9940	217539
13.15	7.2430	315505
13.65	10.0150	436253
14.15	13.3540	581700
14.65	16.9240	737209
15.15	22.0440	960237
15.65	27.8010	1211012

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.15	34.4670	1501383
16.65	40.2220	1752070
17.15	45.0370	1961812
17.65	49.0770	2137794
18.15	52.4290	2283807
18.65	55.2110	2404991
19.15	57.7250	2514501
19.65	59.8640	2607676
20.15	61.6860	2687042
20.65	63.2640	2755780
21.15	64.4990	2809576
21.65	65.7310	2863242
22.15	67.0510	2920742
22.65	68.2010	2970836
23.15	69.7170	3036873
23.65	71.4390	3111883
24.15	72.5830	3161715
24.65	73.6960	3210198
25.15	74.5150	3245873
25.65	74.7990	3258244
26.15	74.8870	3262078
26.65	74.9430	3264517
27.15	74.9830	3266259
27.65	75.0150	3267653
28.40	75.0330	3268437

Comment:

Channel Link: 06_M_0110_LC		Upstream	Downstream
Scenario:	Alt2	Invert: 1.40 ft	Invert: -0.04 ft
From Node:	06_M_0110_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0100_NT	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0110_XC_1	Cross Section: 06_M_0110_XC_2
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1650.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	1.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_0110_NE_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	9.98 ft	Discharge Coefficients
Control Elevation:	9.98 ft	Weir Default: 2.800
Cross Section:	06_M_0110_NE_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0110_NE_W2		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	06_M_0100_NT	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:	Rectangular	Ref Node:
Invert:	10.70 ft	Discharge Coefficients
Control Elevation:	10.70 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0120_LP		
Scenario:	Alt2	Invert: 2.86 ft
From Node:	06_M_0120_NS	Manning's N: 0.0240
To Node:	06_M_0110_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Circular
Flow Direction:	Both	Max Depth: 4.00 ft
Damping:	0.0000 ft	Max Depth: 4.00 ft
Length:	72.00 ft	Bottom Clip
FHWA Code:	5	Default: 0.00 ft
Entr Loss Coef:	0.70	Op Table:
Exit Loss Coef:	0.00	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_0120_NS_W1

Scenario: Alt2

Bottom Clip

From Node: 06_M_0120_NS

Default: 0.00 ft

To Node: 06_M_0110_NE

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: 10.42 ft

Discharge Coefficients

Control Elevation: 10.42 ft

Weir Default: 2.800

Cross Section: 06_M_0120_NS_W1X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0120_NS_W2

Scenario: Alt2

Bottom Clip

From Node: 06_M_0120_NS

Default: 0.00 ft

To Node: 06_M_0100_NT

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: 10.15 ft

Discharge Coefficients

Control Elevation: 10.15 ft

Weir Default: 2.800

Cross Section: 06_M_0120_NS_W2X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0125_LP

Upstream

Downstream

Scenario: Alt2

Invert: 5.08 ft

Invert: 3.61 ft

From Node: 06_M_0125_NS

Manning's N: 0.0240

Manning's N: 0.0240

To Node: 06_M_0120_NS

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction: Both

Damping: 0.0000 ft

Length: 47.00 ft

FHWA Code: 4

Entr Loss Coef: 0.50

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

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

Comment:

Weir Link: 06_M_0125_NS_W1

Scenario: Alt2

From Node: 06_M_0125_NS

To Node: MULLET_LAKE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.18 ft

Control Elevation: 10.18 ft

Cross Section: 06_M_0125_NS_W1X

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: 06_M_0125_NS_W2

Scenario: Alt2

From Node: 06_M_0125_NS

To Node: 06_M_0120_NS

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.72 ft

Control Elevation: 10.72 ft

Cross Section: 06_M_0125_NS_W2X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_0125_NS_W3		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0125_NS	Default: 0.00 ft
To Node:	06_M_0110_NE	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:	10.52 ft	Discharge Coefficients
Control Elevation:	10.52 ft	Weir Default: 2.800
Cross Section:	06_M_0125_NS_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0130_LC		
	Upstream	Downstream
Scenario:	Alt2	Invert: 3.46 ft
From Node:	06_M_0130_NC	Invert: 2.86 ft
To Node:	06_M_0120_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	275.00 ft	Cross Section: 06_M_0130_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0130_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0130_NC_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0130_NC	Default: 0.00 ft
To Node:	06_M_0120_NS	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:	9.36 ft	Discharge Coefficients
Control Elevation:	9.36 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Cross Section: 06_M_0130_NC_W1X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0130_NC_W2

Scenario: Alt2
From Node: 06_M_0130_NC
To Node: 06_M_0125_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.11 ft
Control Elevation: 11.11 ft
Cross Section: 06_M_0130_NC_W2X

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:

Channel Link: 06_M_0140_LC

Scenario: Alt2
From Node: 06_M_0140_NE
To Node: 06_M_0130_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 290.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 3.98 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0140_XC_1

Downstream

Invert: 3.46 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0140_XC_2

Comment:

Pipe Link: 06_M_0145_LP

Scenario: Alt2
From Node: 06_M_0145_NS

Upstream
Invert: 7.14 ft
Manning's N: 0.0240

Downstream
Invert: 5.62 ft
Manning's N: 0.0240

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

To Node:	06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	80.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0145_NS_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0140_NE	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:	10.44 ft	Discharge Coefficients	
Control Elevation:	10.44 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0145_NS_W2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0100_NT	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:	10.42 ft	Discharge Coefficients	
Control Elevation:	10.42 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Pipe Link: 06_M_0200_LP		Upstream	Downstream
Scenario:	Alt2	Invert: 3.93 ft	Invert: 3.98 ft
From Node:	06_M_0200_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	58.00 ft	Op Table:	Op Table:
FHWA Code:	4	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0200_NS_W1			
Scenario: Alt2		Bottom Clip	
From Node:	06_M_0200_NS	Default:	0.00 ft
To Node:	06_M_0145_NS	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:	10.79 ft	Discharge Coefficients	
Control Elevation:	10.79 ft	Weir Default:	2.800
Cross Section:	06_M_0200_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0200_NS_W2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0200_NS	Default:	0.00 ft
To Node:	06_M_0125_NS	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.07 ft
Control Elevation: 13.07 ft
Cross Section: 06_M_0200_NS_W2X

Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0200_NS_W3

Scenario: Alt2
From Node: 06_M_0200_NS
To Node: 06_M_0220_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.07 ft
Control Elevation: 13.07 ft
Cross Section: 06_M_0200_NS_W3X

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: 06_M_0205_NE_W1

Scenario: Alt2
From Node: 06_M_0205_NE
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 7.49 ft
Control Elevation: 7.49 ft
Cross Section: 06_M_0205_NE_W1X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_0205_NE_W2		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.20 ft	Discharge Coefficients
Control Elevation:	11.20 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0205_NE_W3		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.06 ft	Discharge Coefficients
Control Elevation:	11.06 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0210_LC		
Scenario:	Alt2	Invert: 4.01 ft
From Node:	06_M_0210_NE	Invert: 3.93 ft
To Node:	06_M_0200_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	440.00 ft	Cross Section: 06_M_0210_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0210_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0210_NE_W2		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0210_NE	Default: 0.00 ft	
To Node: 06_M_0200_NS	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: 12.24 ft	Discharge Coefficients	
Control Elevation: 12.24 ft	Weir Default: 2.800	
Cross Section: 06_M_0210_NE_W2X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Pipe Link: 06_M_0220_LP		
	Upstream	Downstream
Scenario: Alt2	Invert: 3.96 ft	Invert: 4.01 ft
From Node: 06_M_0220_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0210_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 4	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0220_NS_W1		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0220_NS	Default: 0.00 ft	
To Node: 06_M_0210_NE	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.41 ft
Control Elevation: 12.41 ft
Cross Section: 06_M_0220_NS_W1X

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: 06_M_0220_NS_W2

Scenario: Alt2
From Node: 06_M_0220_NS
To Node: 06_M_0125_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.43 ft
Control Elevation: 11.43 ft
Cross Section: 06_M_0220_NS_W2X

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: 06_M_0220_NS_W3

Scenario: Alt2
From Node: 06_M_0220_NS
To Node: NML0220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.97 ft
Control Elevation: 9.97 ft
Cross Section: 06_M_0220_NS_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Channel Link: 06_M_0230_LC		Upstream	Downstream
Scenario:	Alt2	Invert: 5.36 ft	Invert: 3.96 ft
From Node:	06_M_0230_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0220_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0230_XC_1	Cross Section: 06_M_0230_XC_2
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	240.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Pipe Link: 06_M_0240_LP		Upstream	Downstream
Scenario:	Alt2	Invert: 5.72 ft	Invert: 5.84 ft
From Node:	06_M_0240_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0230_NE	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	28.00 ft	Op Table:	Op Table:
FHWA Code:	4	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0240_NS_W1		Bottom Clip
Scenario:	Alt2	Default: 0.00 ft
From Node:	06_M_0240_NS	Op Table:
To Node:	06_M_0230_NE	Ref Node:
Link Count:	1	
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:	11.71 ft	Discharge Coefficients

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Control Elevation: 11.71 ft

Cross Section: 06_M_0240_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0240_NS_W2

Scenario: Alt2

From Node: 06_M_0240_NS

To Node: 06_M_0210_NE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.20 ft

Control Elevation: 13.20 ft

Cross Section: 06_M_0240_NS_W2X

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:

Channel Link: 06_M_0250_LC

Upstream

Downstream

Scenario: Alt2

Invert: 4.63 ft

Invert: 5.64 ft

From Node: 06_M_0250_NE

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0240_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0250_XC

Cross Section: 06_M_0250_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 180.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Pipe Link: 06_M_0260_LP

Upstream

Downstream

Scenario: Alt2

Invert: 4.92 ft

Invert: 5.02 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

From Node:	06_M_0260_NS	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0250_NE	Geometry:	Circular	Geometry:	Circular
Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: 06_M_0260_NS_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0260_NS	Default: 0.00 ft
To Node:	06_M_0250_NE	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:	11.71 ft	Discharge Coefficients
Control Elevation:	11.71 ft	Weir Default: 2.800
Cross Section:	06_M_0260_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0260_NS_W2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0260_NS	Default:	0.00 ft
To Node:	NML0220	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:	11.72 ft	Discharge Coefficients	
Control Elevation:	11.72 ft	Weir Default:	2.800
Cross Section:	06_M_0260_NS_W2X	Weir Table:	
		Orifice Default:	0.600

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Table:

Comment:

Weir Link: 06_M_0260_NS_W3

Scenario: Alt2
From Node: 06_M_0260_NS
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.56 ft
Control Elevation: 13.56 ft
Cross Section: 06_M_0260_NS_W3X

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:

Channel Link: 06_M_0270_LC

Scenario: Alt2
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 370.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 5.38 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_1

Downstream

Invert: 4.92 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_2

Comment:

Weir Link: 06_M_0270_NC_W1

Scenario: Alt2
From Node: 06_M_0270_NC
To Node: NML0220
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.34 ft
Control Elevation: 12.34 ft
Cross Section: 06_M_0270_NC_W1X

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: 06_M_0270_NC_W2

Scenario: Alt2
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.42 ft
Control Elevation: 11.42 ft
Cross Section: 06_M_0270_NC_W2X

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: 06_M_0270_NC_W3

Scenario: Alt2
From Node: 06_M_0270_NC
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.27 ft
Control Elevation: 14.27 ft
Cross Section: 06_M_0270_NC_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_0270_NC_W4		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0270_NC	Default: 0.00 ft
To Node:	06_M_0205_NE	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:	14.52 ft	Discharge Coefficients
Control Elevation:	14.52 ft	Weir Default: 2.800
Cross Section:	06_M_0270_NC_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0280_LC		
	Upstream	Downstream
Scenario:	Alt2	Invert: 5.84 ft
From Node:	06_M_0280_NE	Manning's N: 0.0000
To Node:	06_M_0270_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0280_XC_1
Length:	413.00 ft	Cross Section: 06_M_0280_XC_2
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Pipe Link: 06_M_0290_LP		
	Upstream	Downstream
Scenario:	Alt2	Invert: 5.47 ft
From Node:	06_M_0290_NS	Invert: 5.84 ft
To Node:	06_M_0280_NE	Manning's N: 0.0240
Link Count:	2	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	26.00 ft	Max Depth: 3.00 ft
FHWA Code:	6	Max Depth: 3.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
		Op Table:
		Ref Node:
		Manning's N: 0.0000
		Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

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

Comment:

Weir Link: 06_M_0290_NS_W1

Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0280_NE	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:	13.41 ft	Discharge Coefficients	
Control Elevation:	13.41 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W2

Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	NML0220	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:	12.21 ft	Discharge Coefficients	
Control Elevation:	12.21 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W3

Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 15.07 ft
 Control Elevation: 15.07 ft
 Cross Section: 06_M_0290_NS_W3X

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:

Channel Link: 06_M_0300_LC	Upstream	Downstream
Scenario: Alt2	Invert: 5.74 ft	Invert: 5.47 ft
From Node: 06_M_0300_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0290_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0300_XC	Cross Section: 06_M_0300_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 500.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0300_NC_W1	Bottom Clip
Scenario: Alt2	Default: 0.00 ft
From Node: 06_M_0300_NC	Op Table:
To Node: NML0220	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Broad Crested Vertical	Ref Node:
Geometry Type: Irregular	Discharge Coefficients
Invert: 13.12 ft	Weir Default: 2.800
Control Elevation: 13.12 ft	Weir Table:
Cross Section: 06_M_0300_NC_W1X	Orifice Default: 0.600
	Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Weir Link: 06_M_0300_NC_W2

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0300_NC	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	12.90 ft	Discharge Coefficients
Control Elevation:	12.90 ft	Weir Default: 2.800
Cross Section:	06_M_0300_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0310_LC

	Upstream	Downstream
Scenario:	Alt2	Invert: 5.86 ft
From Node:	06_M_0310_NC	Invert: 5.74 ft
To Node:	06_M_0300_NC	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	418.00 ft	Cross Section: 06_M_0310_XC
Contraction Coef:	0.10	Cross Section: 06_M_0310_XC
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Weir Link: 06_M_0310_NC_W1

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0310_NC	Default: 0.00 ft
To Node:	NML0220	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.83 ft
 Control Elevation: 13.83 ft
 Cross Section: 06_M_0310_NC_W1X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: 06_M_0310_NC_W2

Scenario: Alt2
 From Node: 06_M_0310_NC
 To Node: 06_M_0300_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.13 ft
 Control Elevation: 13.13 ft
 Cross Section: 06_M_0310_NC_W2X

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:

Pipe Link: 06_M_0315_LP

Scenario: Alt2
 From Node: 06_M_0315_NS
 To Node: 06_M_0310_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 55.00 ft
 FHWA Code: 31
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

	Upstream	Downstream
Invert:	9.55 ft	7.76 ft
Manning's N:	0.0120	0.0120
Geometry:	Horizontal Ellipse	Horizontal Ellipse
Max Depth:	2.00 ft	2.00 ft
Bottom Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000
Top Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: 06_M_0315_NS_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	13.09 ft	Discharge Coefficients	
Control Elevation:	13.09 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0315_NS_W2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0310_NC	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:	15.81 ft	Discharge Coefficients	
Control Elevation:	15.81 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0315_NS_W3			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0300_NC	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:	15.38 ft	Discharge Coefficients	
Control Elevation:	15.38 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W3X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0315_NS_W4

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0315_NS	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	15.24 ft	Discharge Coefficients
Control Elevation:	15.24 ft	Weir Default: 2.800
Cross Section:	06_M_0315_NS_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0320_LC

	Upstream	Downstream
Scenario:	Alt2	Invert: 5.86 ft
From Node:	06_M_0320_NE	Manning's N: 0.0000
To Node:	06_M_0310_NC	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0320_XC
Flow Direction:	Both	Cross Section: 06_M_0320_XC
Damping:	0.0000 ft	
Length:	166.00 ft	
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Pipe Link: 06_M_0400_LP

	Upstream	Downstream
Scenario:	Alt2	Invert: 6.00 ft
From Node:	06_M_0400_NS	Manning's N: 0.0240
To Node:	06_M_0320_NE	Geometry: Circular
	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_0400_NS_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0400_NS	Default:	0.00 ft
To Node:	06_M_0320_NE	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:	13.75 ft	Discharge Coefficients	
Control Elevation:	13.75 ft	Weir Default:	2.800
Cross Section:	06_M_0400_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0400_NS_W2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0400_NS	Default:	0.00 ft
To Node:	06_M_0315_NS	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:	15.76 ft	Discharge Coefficients	
Control Elevation:	15.76 ft	Weir Default:	2.800
Cross Section:	06_M_0400_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Channel Link: 06_M_0410_LC			Upstream	Downstream
Scenario:	Alt2	Invert:	6.76 ft	Invert: 6.26 ft
From Node:	06_M_0410_NC	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0400_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0410_XC	Cross Section: 06_M_0410_XC
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	400.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			

Comment:

Weir Link: 06_M_0410_NC_W1			Bottom Clip
Scenario:	Alt2	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0220	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.98 ft	Weir Default:	2.800
Control Elevation:	13.98 ft	Weir Table:	
Cross Section:	06_M_0410_NC_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0410_NC_W2			Bottom Clip
Scenario:	Alt2	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0520	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.33 ft	Weir Default:	2.800
Control Elevation:	13.33 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Cross Section: 06_M_0410_NC_W2X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0410_NC_W3

Scenario: Alt2
From Node: 06_M_0410_NC
To Node: 06_M_0310_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.91 ft
Control Elevation: 13.91 ft
Cross Section: 06_M_0410_NC_W3X

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: 06_M_0410_NC_W4

Scenario: Alt2
From Node: 06_M_0410_NC
To Node: 06_M_0400_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.42 ft
Control Elevation: 13.42 ft
Cross Section: 06_M_0410_NC_W4X

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:

Channel Link: 06_M_0420_LC

Scenario: Alt2
From Node: 06_M_0420_NC
To Node: 06_M_0410_NC

Upstream
Invert: 7.26 ft
Manning's N: 0.0000
Geometry: Irregular

Downstream
Invert: 6.76 ft
Manning's N: 0.0000
Geometry: Irregular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count: 1 Cross Section: 06_M_0420_XC Cross Section: 06_M_0420_XC
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 427.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0420_NC_W1		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0420_NC	Default: 0.00 ft	
To Node: 06_M_0410_NC	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: 13.90 ft	Discharge Coefficients	
Control Elevation: 13.90 ft	Weir Default: 2.800	
Cross Section: 06_M_0420_NC_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Pipe Link: 06_M_0425_LP	Upstream	Downstream
Scenario: Alt2	Invert: 11.00 ft	Invert: 9.06 ft
From Node: 06_M_0425_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0420_NC	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 52.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Weir Link: 06_M_0425_NS_W1

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0315_NS	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:	12.04 ft	Discharge Coefficients
Control Elevation:	12.04 ft	Weir Default: 2.800
Cross Section:	06_M_0425_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W2

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0420_NC	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:	15.12 ft	Discharge Coefficients
Control Elevation:	15.12 ft	Weir Default: 2.800
Cross Section:	06_M_0425_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W3

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0410_NC	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Geometry Type: Irregular
 Invert: 15.56 ft
 Control Elevation: 15.56 ft
 Cross Section: 06_M_0425_NS_W3X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: 06_M_0430_LC		Upstream	Downstream
Scenario:	Alt2	Invert: 6.84 ft	Invert: 7.26 ft
From Node:	06_M_0430_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0420_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0430_XC	Cross Section: 06_M_0430_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	465.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0430_NE_W1		Bottom Clip
Scenario:	Alt2	Default: 0.00 ft
From Node:	06_M_0430_NE	Op Table:
To Node:	NML0050	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	11.83 ft	Weir Default: 2.800
Control Elevation:	11.83 ft	Weir Table:
Cross Section:	06_M_0430_NE_W1X	Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Pipe Link: 06_M_0500_LP1		Upstream	Downstream
Scenario:	Alt2	Invert: 7.27 ft	Invert: 6.84 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: 06_M_0500_LP2		Upstream	Downstream
Scenario:	Alt2	Invert: 7.18 ft	Invert: 6.91 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0500_NS_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0500_NS	Default:	0.00 ft
To Node:	06_M_0430_NE	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:	12.60 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Control Elevation: 12.60 ft

Cross Section: 06_M_0500_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0500_NS_W2

Scenario: Alt2

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Rectangular

Invert: 12.30 ft

Control Elevation: 12.30 ft

Max Depth: 9999.00 ft

Max Width: 270.00 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: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0500_NS_W3

Scenario: Alt2

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Rectangular

Invert: 13.00 ft

Control Elevation: 13.00 ft

Max Depth: 9999.00 ft

Max Width: 540.00 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: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: 06_M_0510_LC

Upstream

Downstream

Scenario: Alt2

Invert: 8.13 ft

Invert: 7.18 ft

From Node: 06_M_0510_NC

Manning's N: 0.0000

Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

To Node:	06_M_0500_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0510_XC	Cross Section: 06_M_0510_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	565.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0510_NC_W1

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	NML0110	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:	13.79 ft	Discharge Coefficients
Control Elevation:	13.79 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0510_NC_W2

Scenario:	Alt2	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	06_M_0500_NS	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:	12.60 ft	Discharge Coefficients
Control Elevation:	12.60 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Channel Link: 06_M_0520_LC		
	Upstream	Downstream
Scenario: Alt2	Invert: 8.57 ft	Invert: 8.13 ft
From Node: 06_M_0520_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0510_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0520_XC	Cross Section: 06_M_0520_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 395.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0520_NC_W1		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: NML0110	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: 14.42 ft	Discharge Coefficients	
Control Elevation: 14.42 ft	Weir Default: 2.800	
Cross Section: 06_M_0520_NC_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0520_NC_W2		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: 06_M_0510_NC	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 14.06 ft
 Control Elevation: 14.06 ft
 Cross Section: 06_M_0520_NC_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: 06_M_0525_LP			Upstream	Downstream
Scenario:	Alt2	Invert:	10.53 ft	Invert: 9.50 ft
From Node:	06_M_0525_NS	Manning's N:	0.0120	Manning's N: 0.0120
To Node:	06_M_0520_NC	Geometry:	Circular	Geometry: Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	51.00 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:	0.00	Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0525_NS_W1			Bottom Clip
Scenario:	Alt2	Default:	0.00 ft
From Node:	06_M_0525_NS	Op Table:	
To Node:	06_M_0425_NS	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.49 ft	Weir Default:	2.800
Control Elevation:	13.49 ft	Weir Table:	
Cross Section:	06_M_0525_NS_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: 06_M_0525_NS_W2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	14.00 ft	Discharge Coefficients	
Control Elevation:	14.00 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W3			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0520_NC	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:	14.99 ft	Discharge Coefficients	
Control Elevation:	14.99 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W3X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W4			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0500_NS	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:	15.34 ft	Discharge Coefficients	
Control Elevation:	15.34 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W4X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0525_NS_W5

Scenario: Alt2
From Node: 06_M_0525_NS
To Node: 06_M_0510_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.19 ft
Control Elevation: 15.19 ft
Cross Section: 06_M_0525_NS_W5X

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: 06_M_0525_NS_W6

Scenario: Alt2
From Node: 06_M_0525_NS
To Node: 06_M_0420_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.58 ft
Control Elevation: 15.58 ft
Cross Section: 06_M_0525_NS_W6X

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: 06_M_0525_NS_W7

Scenario: Alt2
From Node: 06_M_0525_NS
To Node: 06_M_0315_NS
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.24 ft
Control Elevation: 15.24 ft
Cross Section: 06_M_0525_NS_W7X

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:

Channel Link: 06_M_0530_LC		
	Upstream	Downstream
Scenario: Alt2	Invert: 9.04 ft	Invert: 8.57 ft
From Node: 06_M_0530_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0520_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0530_XC	Cross Section: 06_M_0530_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 418.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0530_NE_W1	
Scenario: Alt2	Bottom Clip
From Node: 06_M_0530_NE	Default: 0.00 ft
To Node: NML0500	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: 13.90 ft	Discharge Coefficients
Control Elevation: 13.90 ft	Weir Default: 2.800
Cross Section: 06_M_0530_NE_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_0530_NE_W2		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0530_NE	Default: 0.00 ft
To Node:	06_M_0520_NC	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:	11.74 ft	Discharge Coefficients
Control Elevation:	11.74 ft	Weir Default: 2.800
Cross Section:	06_M_0530_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0600_LO		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0600_NS	Default: 0.00 ft
To Node:	06_M_0530_NE	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	15.06 ft	Discharge Coefficients
Control Elevation:	15.06 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	55.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0600_LP		
Scenario:	Alt2	Invert: 8.94 ft
From Node:	06_M_0600_NS	Manning's N: 0.0240
To Node:	06_M_0530_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Arch
Flow Direction:	Both	Max Depth: 3.67 ft
Damping:	0.0000 ft	Bottom Clip
Length:	40.00 ft	Default: 0.00 ft
FHWA Code:	45	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: 06_M_0610_LC		
	Upstream	Downstream
Scenario: Alt2	Invert: 9.66 ft	Invert: 8.94 ft
From Node: 06_M_0610_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0600_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0610_XC	Cross Section: 06_M_0610_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 405.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0620_LW		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0620_ND	Default: 0.00 ft	
To Node: 06_M_0610_NC	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: 9.99 ft	Discharge Coefficients	
Control Elevation: 9.99 ft	Weir Default: 2.800	
Cross Section: 06_M_0620_XW	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0620_LW2		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0620_ND	Default: 0.00 ft	
To Node: 06_M_3000_NC	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.70 ft	Ref Node:
Control Elevation:	14.70 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	95.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0630_LO		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0630_NS	Default: 0.00 ft
To Node:	06_M_0620_ND	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:	Rectangular	Ref Node:
Invert:	14.76 ft	Discharge Coefficients
Control Elevation:	14.76 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	45.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0630_LP_1		
	Upstream	Downstream
Scenario:	Alt2	Invert: 9.37 ft
From Node:	06_M_0630_NS	Invert: 9.29 ft
To Node:	06_M_0620_ND	Manning's N: 0.0240
Link Count:	1	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	20.50 ft	Max Depth: 5.00 ft
FHWA Code:	6	Max Depth: 5.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 ft	Ref Node:
Energy Switch:	Energy	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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Pipe Link: 06_M_0630_LP_2		
	Upstream	Downstream
Scenario: Alt2	Invert: 9.87 ft	Invert: 9.78 ft
From Node: 06_M_0630_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0620_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.40 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0630_NS_W1		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_0630_NS	Default: 0.00 ft	
To Node: 06_M_0600_NS	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: Rectangular	Ref Node:	
Invert: 15.20 ft	Discharge Coefficients	
Control Elevation: 15.20 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 90.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Channel Link: 06_M_0640_LC		
	Upstream	Downstream
Scenario: Alt2	Invert: 9.79 ft	Invert: 9.37 ft
From Node: 06_M_0640_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0630_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0640_XC_1	Cross Section: 06_M_0640_XC_2
Flow Direction: Both		
Damping: 0.0000 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Length: 235.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0650_LO

Scenario: Alt2	Bottom Clip
From Node: 06_M_0650_NS	Default: 0.00 ft
To Node: 06_M_0640_NE	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: Rectangular	Ref Node:
Invert: 12.96 ft	Discharge Coefficients
Control Elevation: 12.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 35.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0650_LP

	Upstream	Downstream
Scenario: Alt2	Invert: 10.06 ft	Invert: 9.84 ft
From Node: 06_M_0650_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0640_NE	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 14.00 ft	Op Table:	Op Table:
FHWA Code: 32	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_0650_NS_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0650_NS	Default: 0.00 ft
To Node:	06_M_0600_NS	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:	Rectangular	Ref Node:
Invert:	15.40 ft	Discharge Coefficients
Control Elevation:	15.40 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	120.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Channel Link: 06_M_0660_LC		
Scenario:	Alt2	Invert: 9.27 ft
From Node:	06_M_0660_NE	Manning's N: 0.0000
To Node:	06_M_0650_NS	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0660_XC_1
Length:	420.00 ft	Cross Section: 06_M_0660_XC_2
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0670_LO		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0670_NS	Default: 0.00 ft
To Node:	06_M_0660_NE	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:	Rectangular	Ref Node:
Invert:	13.46 ft	Discharge Coefficients
Control Elevation:	13.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Max Depth: 9999.00 ft

Max Width: 45.00 ft

Fillet: 0.00 ft

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0670_LP	Upstream	Downstream
Scenario: Alt2	Invert: 9.03 ft	Invert: 9.27 ft
From Node: 06_M_0670_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0660_NE	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0670_NS_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_0670_NS	Default: 0.00 ft
To Node:	06_M_0600_NS	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:	Rectangular	Ref Node:
Invert:	14.60 ft	Discharge Coefficients
Control Elevation:	14.60 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: 06_M_0680_LC	Upstream	Downstream
Scenario: Alt2	Invert: 10.52 ft	Invert: 8.97 ft
From Node: 06_M_0680_NC	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

To Node:	06_M_0670_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0680_XC	Cross Section: 06_M_0680_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Channel Link: 06_M_0690_LC		Upstream	Downstream
Scenario:	Alt2	Invert: 12.07 ft	Invert: 10.52 ft
From Node:	06_M_0690_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0680_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0690_XC	Cross Section: 06_M_0690_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Channel Link: 06_M_0700_LC		Upstream	Downstream
Scenario:	Alt2	Invert: 15.27 ft	Invert: 12.07 ft
From Node:	06_M_0700_NE	Manning's N: 0.0400	Manning's N: 0.0400
To Node:	06_M_0690_NE	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft
Flow Direction:	Both	Extrapolation: Vertical	Extrapolation: Vertical
Damping:	0.0000 ft	Bottom Width: 2.00 ft	Bottom Width: 2.00 ft
Length:	275.00 ft	Left Slope: 6.000 (h:v)	Left Slope: 6.000 (h:v)
Contraction Coef:	0.10	Right Slope: 6.000 (h:v)	Right Slope: 6.000 (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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Bend Location: 0.00 ft 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:

Weir Link: 06_M_0710_LO

Bottom Clip		
Scenario: Alt2	Default: 0.00 ft	
From Node: 06_M_0710_NS	Op Table:	
To Node: 06_M_0700_NE	Ref Node:	
Link Count: 1		
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Paved Road Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 16.96 ft	Discharge Coefficients	
Control Elevation: 16.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 50.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Pipe Link: 06_M_0710_LP

	Upstream	Downstream
Scenario: Alt2	Invert: 14.99 ft	Invert: 15.27 ft
From Node: 06_M_0710_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0700_NE	Geometry: Circular	
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 79.50 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0710_NS_W1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Scenario: Alt2
From Node: 06_M_0710_NS
To Node: 06_M_1100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 14.30 ft
Control Elevation: 14.30 ft
Max Depth: 9999.00 ft
Max Width: 300.00 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:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: 06_M_1000_LO

Scenario: Alt2
From Node: 06_M_1000_NS
To Node: 06_M_0600_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Rectangular
Invert: 14.06 ft
Control Elevation: 14.06 ft
Max Depth: 9999.00 ft
Max Width: 65.00 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:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: 06_M_1000_LP

Scenario: Alt2
From Node: 06_M_1000_NS
To Node: 06_M_0600_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 75.50 ft
FHWA Code: 4
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00

Upstream	Downstream
Invert: 10.37 ft	Invert: 9.77 ft
Manning's N: 0.0240	Manning's N: 0.0240
Geometry: Circular	
Max Depth: 2.00 ft	Max Depth: 2.00 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

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_1000_NS_W2

Scenario: Alt2

Bottom Clip

From Node: 06_M_1000_NS

Default: 0.00 ft

To Node: 06_M_0525_NS

Op Table:

Link Count: 1

Ref Node:

Flow Direction: Both

Top Clip

Damping: 0.0000 ft

Default: 0.00 ft

Weir Type: Paved Road Vertical

Op Table:

Geometry Type: Irregular

Ref Node:

Invert: 14.80 ft

Discharge Coefficients

Control Elevation: 14.80 ft

Weir Default: 2.800

Cross Section: 06_M_1000_NS_W2X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_1100_LO

Scenario: Alt2

Bottom Clip

From Node: 06_M_1100_ND

Default: 0.00 ft

To Node: 06_M_1000_NS

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: Rectangular

Ref Node:

Invert: 12.96 ft

Discharge Coefficients

Control Elevation: 12.96 ft

Weir Default: 2.800

Max Depth: 9999.00 ft

Weir Table:

Max Width: 430.00 ft

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: 06_M_2000_LP

Upstream

Downstream

Scenario: Alt2

Invert: 12.41 ft

Invert: 12.18 ft

From Node: 06_M_2000_NS

Manning's N: 0.0120

Manning's N: 0.0120

To Node: 06_M_0690_NE

Geometry: Rectangular

Geometry: Rectangular

Link Count: 2

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	72.50 ft	Bottom Clip			
FHWA Code:	15	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	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:

Weir Link: 06_M_2100_LO

Scenario:	Alt2	Bottom Clip			
From Node:	06_M_2100_ND	Default:			
To Node:	06_M_2000_NS	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000	Default:			
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	12.46 ft	Discharge Coefficients			
Control Elevation:	12.46 ft	Weir Default:			
Cross Section:	06_M_2100_XW	Weir Table:			
		Orifice Default:			
		Orifice Table:			

Comment:

Pipe Link: 06_M_2200_LP

		Upstream		Downstream	
Scenario:	Alt2	Invert:	14.06 ft	Invert:	13.06 ft
From Node:	06_M_2200_NP	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_2100_ND	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_2200_LW

Scenario: Alt2
From Node: 06_M_2200_NP
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.61 ft
Control Elevation: 15.61 ft
Cross Section: 06_M_2200_XW

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: 06_M_2300_LO

Scenario: Alt2
From Node: 06_M_2300_ND
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Gravel Road Vertical
Geometry Type: Rectangular
Invert: 16.96 ft
Control Elevation: 16.96 ft
Max Depth: 9999.00 ft
Max Width: 100.00 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: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: 06_M_2300_LP

Scenario: Alt2
From Node: 06_M_2300_ND
To Node: 06_M_2100_ND
Link Count: 3
Flow Direction: Both
Damping: 0.0000 ft

Upstream

Invert: 14.94 ft
Manning's N: 0.0240
Geometry: Circular
Max Depth: 2.00 ft

Downstream

Invert: 14.98 ft
Manning's N: 0.0240
Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	5	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: 06_M_2400_LP	Upstream	Downstream
Scenario: Alt2	Invert: 13.96 ft	Invert: 13.96 ft
From Node: 06_M_2400_NP	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_2100_ND	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 75.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2400_LW		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_2400_NP	Default: 0.00 ft
To Node:	06_M_2300_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800
Cross Section:	06_M_2400_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Link: 06_M_2500_LO		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_2500_ND	Default: 0.00 ft
To Node:	06_M_2100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	15.96 ft	Discharge Coefficients
Control Elevation:	15.96 ft	Weir Default: 2.800
Cross Section:	06_M_2500_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: 06_M_2600_LP		
	Upstream	Downstream
Scenario:	Alt2	Invert: 15.96 ft
From Node:	06_M_2600_NP	Manning's N: 0.0120
To Node:	06_M_2500_ND	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 0.83 ft
Damping:	0.0000 ft	Bottom Clip
Length:	95.00 ft	Default: 0.00 ft
FHWA Code:	48	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2600_LW		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_2600_NP	Default: 0.00 ft
To Node:	06_M_2500_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Cross Section: 06_M_2600_XW

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_2700_LO

Scenario: Alt2	Bottom Clip
From Node: 06_M_2700_ND	Default: 0.00 ft
To Node: 06_M_2100_ND	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: Rectangular	Ref Node:
Invert: 16.96 ft	Discharge Coefficients
Control Elevation: 16.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 1000.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_2800_LP

	Upstream	Downstream
Scenario: Alt2	Invert: 16.96 ft	Invert: 16.96 ft
From Node: 06_M_2800_NP	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_2700_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 0.83 ft	Max Depth: 0.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 210.00 ft	Op Table:	Op Table:
FHWA Code: 48	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_2800_LW

Scenario: Alt2	Bottom Clip
From Node: 06_M_2800_NP	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

To Node: 06_M_2700_ND
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 18.86 ft
 Control Elevation: 18.86 ft
 Cross Section: 06_M_2800_XW

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:

Channel Link: 06_M_3000_LC		Upstream	Downstream
Scenario: Alt2	Invert: 11.72 ft	Invert: 8.94 ft	
From Node: 06_M_3000_NC	Manning's N: 0.0350	Manning's N: 0.0350	
To Node: 06_M_0600_NS	Geometry: Trapezoidal	Geometry: Trapezoidal	
Link Count: 1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft	
Flow Direction: Both	Extrapolation: Vertical	Extrapolation: Vertical	
Damping: 0.0000 ft	Bottom Width: 3.00 ft	Bottom Width: 3.00 ft	
Length: 1200.00 ft	Left Slope: 2.000 (h:v)	Left Slope: 2.000 (h:v)	
Contraction Coef: 0.10	Right Slope: 2.000 (h:v)	Right Slope: 2.000 (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 ft	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:

Weir Link: 06_M_3000_NC_W1		Bottom Clip
Scenario: Alt2	Default: 0.00 ft	
From Node: 06_M_3000_NC	Op Table:	
To Node: 06_M_0600_NS	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Invert: 13.50 ft
Control Elevation: 13.50 ft
Max Depth: 9999.00 ft
Max Width: 120.00 ft
Fillet: 0.00 ft

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_3100_LO_1

Scenario: Alt2
From Node: 06_M_3100_ND
To Node: 06_M_3000_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.96 ft
Control Elevation: 14.96 ft
Cross Section: 06_M_3100_XW

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: 06_M_3100_LO_2

Scenario: Alt2
From Node: 06_M_3100_ND
To Node: 06_M_0690_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 15.96 ft
Control Elevation: 15.96 ft
Max Depth: 9999.00 ft
Extrapolation Method: Normal Projection
Bottom Width: 5.00 ft
Left Slope: 2.000 (h:v)
Right Slope: 2.000 (h:v)

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: 06_M_3100_ND_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_3100_ND	Default:	0.00 ft
To Node:	06_M_0650_NS	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:	Rectangular	Ref Node:	
Invert:	15.80 ft	Discharge Coefficients	
Control Elevation:	15.80 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	350.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_3200_LO_1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_3200_ND	Default:	0.00 ft
To Node:	06_M_3100_ND	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:	15.96 ft	Discharge Coefficients	
Control Elevation:	15.96 ft	Weir Default:	2.800
Cross Section:	06_M_3200_XW	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_3200_LO_2			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_3200_ND	Default:	0.00 ft
To Node:	06_M_3250_NS	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:	Rectangular	Ref Node:	
Invert:	17.96 ft	Discharge Coefficients	
Control Elevation:	17.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Max Width: 160.00 ft

Fillet: 0.00 ft

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_3250_LP		
	Upstream	Downstream
Scenario: Alt2	Invert: 15.96 ft	Invert: 15.96 ft
From Node: 06_M_3250_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0120	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_3250_NS_W1		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_3250_NS	Default: 0.00 ft	
To Node: 06_M_3100_ND	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: Rectangular	Ref Node:	
Invert: 19.00 ft	Discharge Coefficients	
Control Elevation: 19.00 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_3300_LO		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_3300_ND	Default: 0.00 ft	
To Node: 06_M_3200_ND	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	17.46 ft	Ref Node:
Control Elevation:	17.46 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	550.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_3400_LO_1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_3400_ND	Default: 0.00 ft
To Node:	06_M_3300_ND	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:	18.96 ft	Discharge Coefficients
Control Elevation:	18.96 ft	Weir Default: 2.800
Cross Section:	06_M_3400_XW_1	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_3400_LO_2		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_3400_ND	Default: 0.00 ft
To Node:	06_M_4100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	19.96 ft	Discharge Coefficients
Control Elevation:	19.96 ft	Weir Default: 2.800
Cross Section:	06_M_3400_XW_2	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: 06_M_3500_LO			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_3500_ND	Default:	0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:	
Invert:	21.96 ft	Discharge Coefficients	
Control Elevation:	21.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_3600_LO			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_3600_ND	Default:	0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:	
Invert:	22.96 ft	Discharge Coefficients	
Control Elevation:	22.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	366.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_4100_ND_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_4100_ND	Default:	0.00 ft
To Node:	NML0150	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:	20.42 ft	Discharge Coefficients	
Control Elevation:	20.42 ft	Weir Default:	2.800
Cross Section:	06_M_4100_ND_W1X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_4100_ND_W2

Scenario: Alt2
From Node: 06_M_4100_ND
To Node: NML0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 25.28 ft
Control Elevation: 25.28 ft
Cross Section: 06_M_4100_ND_W2X

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: 06_M_4100_ND_W3

Scenario: Alt2
From Node: 06_M_4100_ND
To Node: NML0420
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 31.08 ft
Control Elevation: 31.08 ft
Cross Section: 06_M_4100_ND_W3X

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: 06_M_4100_ND_W4

Scenario: Alt2
From Node: 06_M_4100_ND
To Node: NML0530
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.07 ft
Control Elevation: 23.07 ft
Cross Section: 06_M_4100_ND_W4X

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: 06_M_4200_LO

Scenario: Alt2
From Node: 06_M_4200_NS
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: 06_M_4200_XW

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:

Pipe Link: 06_M_4200_LP

Scenario: Alt2
From Node: 06_M_4200_NS
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 50.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream	Downstream
Invert: 15.96 ft	Invert: 15.96 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 2.00 ft	Max Depth: 2.00 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: 06_M_4200_NS_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	06_M_4100_ND	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:	20.30 ft	Discharge Coefficients
Control Elevation:	20.30 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_4200_NS_W2		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	NML0530	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:	21.50 ft	Discharge Coefficients
Control Elevation:	21.50 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_4200_NS_W3		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	NML0120	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:	21.65 ft	Discharge Coefficients
Control Elevation:	21.65 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W3X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_5000_LP	Upstream	Downstream
Scenario: Alt2	Invert: 20.36 ft	Invert: 20.16 ft
From Node: 06_M_5000_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3500_ND	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 50.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5100_LO			
Scenario:	Alt2	Bottom Clip	
From Node:	06_M_5100_ND	Default:	0.00 ft
To Node:	06_M_5000_NS	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:	Rectangular	Ref Node:	
Invert:	23.96 ft	Discharge Coefficients	
Control Elevation:	23.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	190.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: 06_M_5200_LP	Upstream	Downstream
Scenario: Alt2	Invert: 20.06 ft	Invert: 19.96 ft
From Node: 06_M_5200_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_5200_NS_W1		
Scenario:	Alt2	Bottom Clip
From Node:	06_M_5200_NS	Default: 0.00 ft
To Node:	06_M_5500_ND	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:	Rectangular	Ref Node:
Invert:	22.10 ft	Discharge Coefficients
Control Elevation:	22.10 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	260.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_5300_LP					
		Upstream		Downstream	
Scenario:	Alt2	Invert:	31.56 ft	Invert:	25.06 ft
From Node:	06_M_5300_NS	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	06_M_3600_ND	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Pipe Link: 06_M_5400_LP		
	Upstream	Downstream
Scenario: Alt2	Invert: 20.46 ft	Invert: 19.96 ft
From Node: 06_M_5400_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5500_LO		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_5500_ND	Default: 0.00 ft	
To Node: 06_M_5400_NS	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: Rectangular	Ref Node:	
Invert: 20.96 ft	Discharge Coefficients	
Control Elevation: 20.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_5600_LO		
Scenario: Alt2	Bottom Clip	
From Node: 06_M_5600_ND	Default: 0.00 ft	
To Node: 06_M_5500_ND	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Weir Type: Paved Road Vertical
 Geometry Type: Rectangular
 Invert: 26.96 ft
 Control Elevation: 26.96 ft
 Max Depth: 9999.00 ft
 Max Width: 366.00 ft
 Fillet: 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: MLPR-DS1		Upstream Pipe	Downstream Pipe
Scenario:	Alt2	Invert: 9.20 ft	Invert: 9.00 ft
From Node:	06_M_0500_NS	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0110	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	0	Op Table:	Op Table:
Pipe Count:	2	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	88.00 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:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 ft		
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:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.30 ft	Op Table:	
Control Elevation:	11.30 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	6.58 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip
Weir:	2	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

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:	10.50 ft	Default: 0.00 ft
Control Elevation:	10.50 ft	Op Table:
Max Depth:	0.80 ft	Ref Node:
Max Width:	6.00 ft	Discharge Coefficients
Fillet:	0.00 ft	Weir Default: 3.200
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Weir Comment:

Drop Structure Comment:

Drop Structure Link: MLPR-DS2		Upstream Pipe	Downstream Pipe
Scenario:	Alt2	Invert: 9.00 ft	Invert: 8.80 ft
From Node:	06_M_0430_NE	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0050	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	0	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	90.00 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:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 ft		
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:	Horizontal	Top Clip
Geometry Type:	Rectangular	Default: 0.00 ft
Invert:	11.50 ft	Op Table:
Control Elevation:	11.50 ft	Ref Node:
Max Depth:	3.00 ft	Discharge Coefficients
Max Width:	6.58 ft	Weir Default: 3.200

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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: 10.00 ft	Op Table:
Control Elevation: 10.00 ft	Ref Node:
Max Depth: 1.50 ft	Discharge Coefficients
Max Width: 6.00 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Drop Structure Comment:

Pipe Link: NML0000_LP1	Upstream	Downstream
Scenario: Alt2	Invert: -0.30 ft	Invert: -0.30 ft
From Node: NML0000	Manning's N: 0.0120	Manning's N: 0.0120
To Node: MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 60.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0000_W1	Bottom Clip
Scenario: Alt2	Default: 0.00 ft
From Node: NML0000	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

To Node:	MULLET_LAKE	
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	5.25 ft	Ref Node:
Control Elevation:	5.25 ft	Discharge Coefficients
Cross Section:	NML0000_W1X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0050_LP1	Upstream	Downstream
Scenario: Alt2	Invert: 7.90 ft	Invert: 7.80 ft
From Node: NML0050	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0510	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: 20.00 ft	Op Table:	Op Table:
FHWA Code: 5	Ref Node:	Ref Node:
Entr Loss Coef: 0.70	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0050_LP2	Upstream	Downstream
Scenario: Alt2	Invert: 8.60 ft	Invert: 8.60 ft
From Node: NML0050	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0110	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 40.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000

Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: NML0050_W2

Scenario:	Alt2	Bottom Clip
From Node:	NML0050	Default: 0.00 ft
To Node:	NML0510	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:	11.49 ft	Discharge Coefficients
Control Elevation:	11.49 ft	Weir Default: 2.800
Cross Section:	NML0050_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0050_W3

Scenario:	Alt2	Bottom Clip
From Node:	NML0050	Default: 0.00 ft
To Node:	06_M_0410_NC	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:	13.89 ft	Discharge Coefficients
Control Elevation:	13.89 ft	Weir Default: 2.800
Cross Section:	NML0050_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0050_W4

Scenario:	Alt2	Bottom Clip
From Node:	NML0050	Default: 0.00 ft
To Node:	NML0520	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.83 ft
Control Elevation: 13.83 ft
Cross Section: NML0050_W4X

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: NML0100_LP1	Upstream	Downstream
Scenario: Alt2	Invert: 3.30 ft	Invert: 3.20 ft
From Node: NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 33.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0100_LP2	Upstream	Downstream
Scenario: Alt2	Invert: 3.30 ft	Invert: 3.20 ft
From Node: NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 30.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Pipe Link: NML0100_LP3		Upstream	Downstream
Scenario:	Alt2	Invert: 4.80 ft	Invert: 4.70 ft
From Node:	NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0000	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	30.00 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:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: NML0100_W1		
Scenario:	Alt2	Bottom Clip
From Node:	NML0100	Default: 0.00 ft
To Node:	NML0000	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:	8.12 ft	Discharge Coefficients
Control Elevation:	8.12 ft	Weir Default: 2.800
Cross Section:	NML0100_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0110_LP1		Upstream	Downstream
Scenario:	Alt2	Invert: 7.90 ft	Invert: 7.80 ft
From Node:	NML0110	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0530	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	32.00 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:	0.00	Top Clip	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

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

Comment:

Weir Link: NML0110_W1

Scenario: Alt2	Bottom Clip
From Node: NML0110	Default: 0.00 ft
To Node: NML0530	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: 12.13 ft	Discharge Coefficients
Control Elevation: 12.13 ft	Weir Default: 2.800
Cross Section: NML0110_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: NML0110_W2

Scenario: Alt2	Bottom Clip
From Node: NML0110	Default: 0.00 ft
To Node: NML0500	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: 14.12 ft	Discharge Coefficients
Control Elevation: 14.12 ft	Weir Default: 2.800
Cross Section: NML0110_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: NML0110_W3

Scenario: Alt2	Bottom Clip
From Node: NML0110	Default: 0.00 ft
To Node: NML0510	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.90 ft
Control Elevation: 11.90 ft
Cross Section: NML0110_W3X

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: NML0110_W4

Scenario: Alt2
From Node: NML0110
To Node: NML0050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.34 ft
Control Elevation: 11.34 ft
Cross Section: NML0110_W4X

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: NML0120_W1

Scenario: Alt2
From Node: NML0120
To Node: NML0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.69 ft
Control Elevation: 15.69 ft
Cross Section: NML0120_W1X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: NML0120_W2	
Scenario: Alt2	Bottom Clip
From Node: NML0120	Default: 0.00 ft
To Node: NML0500	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: 19.44 ft	Discharge Coefficients
Control Elevation: 19.44 ft	Weir Default: 2.800
Cross Section: NML0120_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0150_W1	
Scenario: Alt2	Bottom Clip
From Node: NML0150	Default: 0.00 ft
To Node: NML0300	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: 20.87 ft	Discharge Coefficients
Control Elevation: 20.87 ft	Weir Default: 2.800
Cross Section: NML0150_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0150_W2	
Scenario: Alt2	Bottom Clip
From Node: NML0150	Default: 0.00 ft
To Node: NML0100	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: 20.51 ft	Discharge Coefficients
Control Elevation: 20.51 ft	Weir Default: 2.800
Cross Section: NML0150_W2X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0150_W3

Scenario:	Alt2	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0410	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:	26.31 ft	Discharge Coefficients
Control Elevation:	26.31 ft	Weir Default: 2.800
Cross Section:	NML0150_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0150_W4

Scenario:	Alt2	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0530	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:	23.14 ft	Discharge Coefficients
Control Elevation:	23.14 ft	Weir Default: 2.800
Cross Section:	NML0150_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0200_LP1

	Upstream	Downstream
Scenario:	Alt2	Invert: 1.40 ft
From Node:	NML0200	Manning's N: 0.0120
To Node:	NML0000	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction: Both

Damping: 0.0000 ft

Length: 50.00 ft

FHWA Code: 3

Entr Loss Coef: 0.90

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

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

Comment:

Weir Link: NML0200_W1

Scenario: Alt2

From Node: NML0200

To Node: NML0000

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 5.55 ft

Control Elevation: 5.55 ft

Cross Section: NML0200_W1X

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: NML0200_W2

Scenario: Alt2

From Node: NML0200

To Node: MULLET_LAKE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 7.45 ft

Control Elevation: 7.45 ft

Cross Section: NML0200_W2X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Pipe Link: NML0210_LP1		Upstream	Downstream
Scenario:	Alt2	Invert: 5.40 ft	Invert: 2.80 ft
From Node:	NML0210	Manning's N: 0.0240	Manning's N: 0.0220
To Node:	NML0200	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: NML0210_LP2		Upstream	Downstream
Scenario:	Alt2	Invert: 5.60 ft	Invert: 5.60 ft
From Node:	NML0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 1.50 ft	Default: 1.50 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	3	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: NML0210_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	NML0210	Default:	0.00 ft
To Node:	NML0200	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:	7.67 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Control Elevation: 7.67 ft

Cross Section: NML0210_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: NML0210_W2

Scenario: Alt2

From Node: NML0210

To Node: MULLET_LAKE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 8.37 ft

Control Elevation: 8.37 ft

Cross Section: NML0210_W2X

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:

Pipe Link: NML0220_LP1

Upstream

Downstream

Scenario: Alt2

From Node: NML0220

To Node: NML0210

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 40.00 ft

FHWA Code: 6

Entr Loss Coef: 0.90

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Invert: 8.80 ft

Manning's N: 0.0240

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Invert: 6.60 ft

Manning's N: 0.0220

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Weir Link: NML0220_W1

Scenario: Alt2

Bottom Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

From Node:	NML0220	
To Node:	06_M_0240_NS	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	11.70 ft	Ref Node:
Control Elevation:	11.70 ft	Discharge Coefficients
Cross Section:	NML0220_W1X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0220_W2		
Scenario:	Alt2	Bottom Clip
From Node:	NML0220	Default: 0.00 ft
To Node:	NML0210	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	10.31 ft	Discharge Coefficients
Control Elevation:	10.31 ft	Weir Default: 2.800
Cross Section:	NML0220_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0220_W3		
Scenario:	Alt2	Bottom Clip
From Node:	NML0220	Default: 0.00 ft
To Node:	NML0200	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	12.45 ft	Discharge Coefficients
Control Elevation:	12.45 ft	Weir Default: 2.800
Cross Section:	NML0220_W3X	Weir Table:
		Orifice Default: 0.600

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Table:

Comment:

Weir Link: NML0220_W4

Scenario:	Alt2	Bottom Clip
From Node:	NML0220	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	11.42 ft	Discharge Coefficients
Control Elevation:	11.42 ft	Weir Default: 2.800
Cross Section:	NML0220_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0300_LP1

	Upstream	Downstream
Scenario:	Alt2	Invert: 7.42 ft
From Node:	NML0300	Manning's N: 0.0240
To Node:	NML0000	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:
FHWA Code:	6	Ref Node:
Entr Loss Coef:	0.90	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0300_LP2

	Upstream	Downstream
Scenario:	Alt2	Invert: 10.43 ft
From Node:	NML0300	Manning's N: 0.0240
To Node:	NML0100	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction: Both

Damping: 0.0000 ft

Length: 20.00 ft

FHWA Code: 6

Entr Loss Coef: 0.90

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

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

Comment:

Weir Link: NML0300_W1

Scenario: Alt2

From Node: NML0300

To Node: NML0000

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 11.70 ft

Control Elevation: 11.70 ft

Cross Section: NML0300_W1X

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: NML0300_W2

Scenario: Alt2

From Node: NML0300

To Node: NML0400

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 17.01 ft

Control Elevation: 17.01 ft

Cross Section: NML0300_W2X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: NML0300_W3	
Scenario: Alt2	Bottom Clip
From Node: NML0300	Default: 0.00 ft
To Node: NML0410	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: 18.39 ft	Discharge Coefficients
Control Elevation: 18.39 ft	Weir Default: 2.800
Cross Section: NML0300_W3X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0300_W4	
Scenario: Alt2	Bottom Clip
From Node: NML0300	Default: 0.00 ft
To Node: NML0100	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: 12.04 ft	Discharge Coefficients
Control Elevation: 12.04 ft	Weir Default: 2.800
Cross Section: NML0300_W4X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0310_W1	
Scenario: Alt2	Bottom Clip
From Node: NML0310	Default: 0.00 ft
To Node: NML0300	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: 22.10 ft	Discharge Coefficients
Control Elevation: 22.10 ft	Weir Default: 2.800
Cross Section: NML0310_W1X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0310_W2

Scenario: Alt2	Bottom Clip
From Node: NML0310	Default: 0.00 ft
To Node: NML0410	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: 23.33 ft	Discharge Coefficients
Control Elevation: 23.33 ft	Weir Default: 2.800
Cross Section: NML0310_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: NML0400_LP1

	Upstream	Downstream
Scenario: Alt2	Invert: 8.10 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 48.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0400_LP2

	Upstream	Downstream
Scenario: Alt2	Invert: 9.70 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 31	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: NML0400_W1		
Scenario:	Alt2	Bottom Clip
From Node:	NML0400	Default: 0.00 ft
To Node:	NML0000	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:	11.82 ft	Discharge Coefficients
Control Elevation:	11.82 ft	Weir Default: 2.800
Cross Section:	NML0400_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0410_W1		
Scenario:	Alt2	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	NML0400	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:	13.83 ft	Discharge Coefficients
Control Elevation:	13.83 ft	Weir Default: 2.800
Cross Section:	NML0410_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Weir Link: NML0410_W2		
Scenario:	Alt2	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	MULLET_LAKE	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	16.88 ft	Discharge Coefficients
Control Elevation:	16.88 ft	Weir Default: 2.800
Cross Section:	NML0410_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0410_W3		
Scenario:	Alt2	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	NML0000	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	16.39 ft	Discharge Coefficients
Control Elevation:	16.39 ft	Weir Default: 2.800
Cross Section:	NML0410_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0420_LP1		
	Upstream	Downstream
Scenario:	Alt2	Invert: 23.50 ft
From Node:	NML0420	Invert: 22.70 ft
To Node:	NML0410	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000	Geometry: Circular
Length:	42.00 ft	Max Depth: 2.50 ft
FHWA Code:	6	Max Depth: 2.50 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
		Ref Node:
		Manning's N: 0.0000
		Manning's N: 0.0000
		Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

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

Comment:

Pipe Link: NML0420_LP2		Upstream	Downstream
Scenario:	Alt2	Invert: 19.90 ft	Invert: 18.36 ft
From Node:	NML0420	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	NML0410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 3.50 ft
Flow Direction:	None	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	50.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0420_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	NML0420	Default:	0.00 ft
To Node:	NML0410	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:	25.42 ft	Discharge Coefficients	
Control Elevation:	25.42 ft	Weir Default:	2.800
Cross Section:	NML0420_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: NML0430_LP1		Upstream	Downstream
Scenario:	Alt2	Invert: 30.87 ft	Invert: 30.58 ft
From Node:	NML0430	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0420	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: NML0430_W1			
Scenario:	Alt2	Bottom Clip	
From Node:	NML0430	Default:	0.00 ft
To Node:	NML0420	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:	32.40 ft	Discharge Coefficients	
Control Elevation:	32.40 ft	Weir Default:	2.800
Cross Section:	NML0430_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Pipe Link: NML0500_LP1		Upstream		Downstream	
Scenario:	Alt2	Invert:	8.50 ft	Invert:	8.40 ft
From Node:	NML0500	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	NML0530	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Weir Link: NML0500_W1		
Scenario:	Alt2	Bottom Clip
From Node:	NML0500	Default: 0.00 ft
To Node:	NML0530	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:	11.16 ft	Discharge Coefficients
Control Elevation:	11.16 ft	Weir Default: 2.800
Cross Section:	NML0500_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0500_W2		
Scenario:	Alt2	Bottom Clip
From Node:	NML0500	Default: 0.00 ft
To Node:	NML0530	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:	16.91 ft	Discharge Coefficients
Control Elevation:	16.91 ft	Weir Default: 2.800
Cross Section:	NML0500_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0510_P1		
	Upstream	Downstream
Scenario:	Alt2	Invert: 6.10 ft
From Node:	NML0510	Manning's N: 0.0130
To Node:	NML0520	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	44.00 ft	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: NML0510_W1

Scenario:	Alt2	Bottom Clip			
From Node:	NML0510	Default:	0.00 ft		
To Node:	NML0520	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:	9.10 ft	Discharge Coefficients			
Control Elevation:	9.10 ft	Weir Default:	2.800		
Cross Section:	NML0510_W1X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Weir Link: NML0510_W2

Scenario:	Alt2	Bottom Clip			
From Node:	NML0510	Default:	0.00 ft		
To Node:	NML0530	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:	11.00 ft	Discharge Coefficients			
Control Elevation:	11.00 ft	Weir Default:	2.800		
Cross Section:	NML0510_W2X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Pipe Link: NML0520_LP1

Upstream

Downstream

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Scenario:	Alt2	Invert:	5.50 ft	Invert:	5.40 ft
From Node:	NML0520	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NML0000	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: NML0520_W1					
Scenario:	Alt2	Bottom Clip			
From Node:	NML0520	Default:			
To Node:	NML0000	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000	Default:			
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	9.14 ft	Discharge Coefficients			
Control Elevation:	9.14 ft	Weir Default:			
Cross Section:	NML0520_W1X	Weir Table:			
		Orifice Default:			
		Orifice Table:			

Comment:

Weir Link: NML0520_W2					
Scenario:	Alt2	Bottom Clip			
From Node:	NML0520	Default:			
To Node:	NML0220	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000	Default:			
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	13.43 ft	Discharge Coefficients			
Control Elevation:	13.43 ft	Weir Default:			
Cross Section:	NML0520_W2X	Weir Table:			

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0520_W3

Scenario:	Alt2	Bottom Clip
From Node:	NML0520	Default: 0.00 ft
To Node:	NML0200	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:	10.77 ft	Discharge Coefficients
Control Elevation:	10.77 ft	Weir Default: 2.800
Cross Section:	NML0520_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0520_W4

Scenario:	Alt2	Bottom Clip
From Node:	NML0520	Default: 0.00 ft
To Node:	NML0100	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:	9.80 ft	Discharge Coefficients
Control Elevation:	9.80 ft	Weir Default: 2.800
Cross Section:	NML0520_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0530_LP1

	Upstream	Downstream
Scenario:	Alt2	Invert: 6.72 ft
From Node:	NML0530	Manning's N: 0.0240
To Node:	NML0520	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: NML0530_LP2	Upstream	Downstream
Scenario: Alt2	Invert: 7.33 ft	Invert: 7.47 ft
From Node: NML0530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0520	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 33.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: NML0530_LP3	Upstream	Downstream
Scenario: Alt2	Invert: 5.80 ft	Invert: 5.70 ft
From Node: NML0530	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0100	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 60.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Comment:

Weir Link: NML0530_W1

Scenario:	Alt2	Bottom Clip
From Node:	NML0530	Default: 0.00 ft
To Node:	NML0100	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:	9.17 ft	Discharge Coefficients
Control Elevation:	9.17 ft	Weir Default: 2.800
Cross Section:	NML0530_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0530_W2

Scenario:	Alt2	Bottom Clip
From Node:	NML0530	Default: 0.00 ft
To Node:	NML0520	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:	10.00 ft	Discharge Coefficients
Control Elevation:	10.00 ft	Weir Default: 2.800
Cross Section:	NML0530_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Simulation: 010YR24HR

Scenario: Alt2
Run Date/Time: 11/21/2019 1:13:40 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	240.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft

Min Node Srf Area 1 ft2

(2D):

Energy Switch (2D): Energy

Smp/Man Basin Rain Global

Opt:

OF Region Rain Opt: Global

Rainfall Name: ~FLMOD

Rainfall Amount: 6.80 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment: 10 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 025YR24HR

Scenario: Alt2

Run Date/Time: 11/21/2019 1:15:09 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	288.0000

	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	15.0000

Surface Hydraulics

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area: 1 ft2
(2D):
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain: Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 8.40 in
Storm Duration: 24.0000 hr

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

Comment: 25 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Simulation: 050YR24HR

Scenario: Alt2

Run Date/Time: 11/21/2019 1:16:56 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	336.0000

	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 10.10 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 1 ft2	Min Node Srf Area 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 50 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 100YR24HR

Scenario: Alt2
Run Date/Time: 11/21/2019 1:20:14 PM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	384.0000
	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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

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

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area: 1 ft2
(2D):

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain: Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 11.40 in
Storm Duration: 24.0000 hr

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 2 Conditions

Energy Switch (2D): Energy

Energy Switch (1D): Energy

Comment: 100 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: MA24HR

Scenario: Alt2

Run Date/Time: 11/21/2019 1:24:29 PM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	168.0000

	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 2 Conditions

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 1 ft2
(2D):
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 5.30 in
Storm Duration: 24.0000 hr

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

Comment: MEAN ANNUAL / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

ALTERNATIVE 3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_0110_BC

Scenario: Alt3
Node: 06_M_0110_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.7424 ac
Curve Number: 80.3
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0120_BC

Scenario: Alt3
Node: 06_M_0120_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1800 ac
Curve Number: 80.0
% Impervious: 6.90
% DCIA: 6.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0125_BC

Scenario: Alt3
Node: 06_M_0125_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 10.7165 ac
Curve Number: 80.0
% Impervious: 2.20
% DCIA: 2.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0130_BC

Scenario: Alt3
Node: 06_M_0130_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.3922 ac
Curve Number: 80.1
% Impervious: 5.50
% DCIA: 5.50
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0145_BC

Scenario: Alt3
Node: 06_M_0145_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 69.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4258 ac
Curve Number: 79.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_0200_BC_1

Scenario: Alt3
Node: 06_M_0205_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 138.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 172.3204 ac
Curve Number: 80.0
% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0200_BC_2

Scenario: Alt3
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.4858 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_0200_BC_3

Scenario: Alt3
Node: 06_M_0200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.4272 ac
Curve Number: 79.8
% Impervious: 4.70
% DCIA: 4.70
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0210_BC

Scenario: Alt3
Node: 06_M_0210_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5115 ac
Curve Number: 67.7
% Impervious: 3.90
% DCIA: 3.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0220_BC

Scenario: Alt3
Node: 06_M_0220_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1407 ac
Curve Number: 77.2
% Impervious: 5.60
% DCIA: 5.60
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0240_BC

Scenario: Alt3
Node: 06_M_0240_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.5155 ac
Curve Number: 79.1
% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0260_BC

Scenario: Alt3
Node: 06_M_0260_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 0.8854 ac
Curve Number: 79.5

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

% Impervious: 10.40
% DCIA: 10.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0270_BC

Scenario: Alt3
Node: 06_M_0270_NC
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: Uh323
Peaking Factor: 323.0
Area: 1.0215 ac
Curve Number: 80.1
% Impervious: 11.90
% DCIA: 11.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0290_BC

Scenario: Alt3
Node: 06_M_0290_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5235 ac
Curve Number: 75.1
% Impervious: 3.60
% DCIA: 3.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_0300_BC

Scenario: Alt3
Node: 06_M_0300_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6520 ac
Curve Number: 76.8
% Impervious: 3.20
% DCIA: 3.20
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0310_BC

Scenario: Alt3
Node: 06_M_0310_NC
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: Uh323
Peaking Factor: 323.0
Area: 0.6179 ac
Curve Number: 79.7
% Impervious: 8.10
% DCIA: 8.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0315_BC_1

Scenario: Alt3
Node: 06_M_0315_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 60.1000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 28.3192 ac
Curve Number: 79.5
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0400_BC

Scenario: Alt3
Node: 06_M_0400_NS
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: Uh323
Peaking Factor: 323.0
Area: 0.6137 ac
Curve Number: 80.6
% Impervious: 13.00
% DCIA: 13.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0410_BC

Scenario: Alt3
Node: 06_M_0410_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.3276 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

% Impervious: 1.90
% DCIA: 1.90
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0420_BC

Scenario: Alt3
Node: 06_M_0420_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9231 ac
Curve Number: 73.0
% Impervious: 2.40
% DCIA: 2.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0425_BC_1

Scenario: Alt3
Node: 06_M_0425_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.3966 ac
Curve Number: 79.9
% Impervious: 1.60
% DCIA: 1.60
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_0500_BC

Scenario: Alt3
Node: 06_M_0500_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.9783 ac
Curve Number: 79.3
% Impervious: 7.40
% DCIA: 7.40
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0510_BC

Scenario: Alt3
Node: 06_M_0510_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.1824 ac
Curve Number: 80.2
% Impervious: 8.00
% DCIA: 8.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0520_BC

Scenario: Alt3
Node: 06_M_0520_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.3239 ac
Curve Number: 70.3
% Impervious: 0.30
% DCIA: 0.30
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0525_BC

Scenario: Alt3
Node: 06_M_0525_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 45.7030 ac
Curve Number: 79.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0530_BC

Scenario: Alt3
Node: 06_M_0530_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 76.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.0290 ac
Curve Number: 74.7

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

% Impervious: 0.10
% DCIA: 0.10
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_1

Scenario: Alt3
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5500 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0600_BC_2

Scenario: Alt3
Node: 06_M_0600_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.5400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_0620_BC

Scenario: Alt3
Node: 06_M_0620_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.5600 ac
Curve Number: 79.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0630_BC

Scenario: Alt3
Node: 06_M_0630_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.1400 ac
Curve Number: 80.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0650_BC

Scenario: Alt3
Node: 06_M_0650_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 75.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9400 ac
Curve Number: 79.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0670_BC

Scenario: Alt3
Node: 06_M_0670_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4100 ac
Curve Number: 79.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0680_BC

Scenario: Alt3
Node: 06_M_0680_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.9800 ac
Curve Number: 74.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_0690_BC_1

Scenario: Alt3
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.0300 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_0690_BC_2

Scenario: Alt3
Node: 06_M_0690_NE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 82.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.8000 ac
Curve Number: 66.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_0710_BC

Scenario: Alt3
Node: 06_M_0710_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.0200 ac
Curve Number: 72.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_1

Scenario: Alt3
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 104.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 20.1000 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_2

Scenario: Alt3
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.9000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1100 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_3

Scenario: Alt3
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 66.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_1000_BC_4

Scenario: Alt3
Node: 06_M_1000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 86.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.4400 ac
Curve Number: 80.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_1100_BC

Scenario: Alt3
Node: 06_M_1100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 36.4400 ac
Curve Number: 79.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2000_BC_1

Scenario: Alt3
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7100 ac
Curve Number: 65.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_2000_BC_2

Scenario: Alt3
Node: 06_M_2000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 77.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.3400 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2100_BC

Scenario: Alt3
Node: 06_M_2100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 138.3100 ac
Curve Number: 76.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2200_BC

Scenario: Alt3
Node: 06_M_2200_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 117.6000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 56.8400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2300_BC

Scenario: Alt3
Node: 06_M_2300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 52.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.5800 ac
Curve Number: 78.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2400_BC

Scenario: Alt3
Node: 06_M_2400_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 45.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 228.3100 ac
Curve Number: 67.1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_2500_BC

Scenario: Alt3
Node: 06_M_2500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 130.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.9877 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2600_BC

Scenario: Alt3
Node: 06_M_2600_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 42.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 21.5100 ac
Curve Number: 65.9
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_2700_BC

Scenario: Alt3
Node: 06_M_2700_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 120.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 119.5300 ac
Curve Number: 77.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_2800_BC

Scenario: Alt3
Node: 06_M_2800_NP
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0200 ac
Curve Number: 65.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3000_BC

Scenario: Alt3
Node: 06_M_3000_NC
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.2000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 12.6100 ac
Curve Number: 78.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3100_BC

Scenario: Alt3
Node: 06_M_3100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 111.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 148.6320 ac
Curve Number: 60.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3200_BC

Scenario: Alt3
Node: 06_M_3200_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 15.6814 ac
Curve Number: 67.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_3250_BC

Scenario: Alt3
Node: 06_M_3250_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 6.9300 ac
Curve Number: 67.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3300_BC_1

Scenario: Alt3
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 51.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 37.7600 ac
Curve Number: 57.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_3300_BC_2

Scenario: Alt3
Node: 06_M_3300_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.6500 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_1

Scenario: Alt3
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 107.9400 ac
Curve Number: 57.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3400_BC_2

Scenario: Alt3
Node: 06_M_3400_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.3800 ac
Curve Number: 41.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_1

Scenario: Alt3
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 33.1400 ac
Curve Number: 51.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3500_BC_2

Scenario: Alt3
Node: 06_M_3500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.0300 ac
Curve Number: 39.9

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_3600_BC_1

Scenario: Alt3
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 65.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 324.4100 ac
Curve Number: 45.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_2

Scenario: Alt3
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.7300 ac
Curve Number: 59.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_3600_BC_3

Scenario: Alt3
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 3.1700 ac
Curve Number: 46.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_3600_BC_4

Scenario: Alt3
Node: 06_M_3600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 35.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9400 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4100_BC_1

Scenario: Alt3
Node: 06_M_4100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 41.8000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 95.2361 ac
Curve Number: 55.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_4200_BC_1

Scenario: Alt3
Node: 06_M_4200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 16.0747 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5000_BC

Scenario: Alt3
Node: 06_M_5000_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.2000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 2.2500 ac
Curve Number: 40.3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: 06_M_5100_BC

Scenario: Alt3
Node: 06_M_5100_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 11.4700 ac
Curve Number: 40.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5200_BC

Scenario: Alt3
Node: 06_M_5200_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.9500 ac
Curve Number: 43.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: 06_M_5300_BC

Scenario: Alt3
Node: 06_M_5300_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 4.1000 ac
Curve Number: 39.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5400_BC

Scenario: Alt3
Node: 06_M_5400_NS
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 19.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 1.8900 ac
Curve Number: 60.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5500_BC

Scenario: Alt3
Node: 06_M_5500_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 79.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 202.7900 ac
Curve Number: 45.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: 06_M_5600_BC

Scenario: Alt3
Node: 06_M_5600_ND
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 94.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 742.5000 ac
Curve Number: 48.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0000

Scenario: Alt3
Node: NML0000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 141.4118 ac
Curve Number: 79.8

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: ML0050

Scenario: Alt3
Node: NML0050
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 7.8503 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0100

Scenario: Alt3
Node: NML0100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 53.3904 ac
Curve Number: 70.3
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: ML0110

Scenario: Alt3
Node: NML0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 8.9604 ac
Curve Number: 67.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0120

Scenario: Alt3
Node: NML0120
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: Uh323
Peaking Factor: 323.0
Area: 1.0445 ac
Curve Number: 61.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0150

Scenario: Alt3
Node: NML0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 37.5000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 23.0099 ac
Curve Number: 63.6
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0200

Scenario: Alt3
Node: NML0200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.5000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 58.2853 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0210

Scenario: Alt3
Node: NML0210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 38.9000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 55.9184 ac
Curve Number: 80.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: ML0220

Scenario: Alt3
Node: NML0220
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 54.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 35.9553 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0300

Scenario: Alt3
Node: NML0300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 38.8395 ac
Curve Number: 63.7
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: ML0310

Scenario: Alt3
Node: NML0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 33.3000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.3816 ac
Curve Number: 67.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0400

Scenario: Alt3
Node: NML0400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 5.7492 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0410

Scenario: Alt3
Node: NML0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 59.7000 min

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 381.7660 ac
Curve Number: 78.2
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0420

Scenario: Alt3
Node: NML0420
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.7000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 312.5364 ac
Curve Number: 69.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0430

Scenario: Alt3
Node: NML0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.4000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 132.1490 ac
Curve Number: 44.0

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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

Comment:

Simple Basin: ML0500

Scenario: Alt3
Node: NML0500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 34.8720 ac
Curve Number: 78.4
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0510

Scenario: Alt3
Node: NML0510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 9.0957 ac
Curve Number: 79.8
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Simple Basin: ML0520

Scenario: Alt3
Node: NML0520
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 40.6000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 25.8523 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: ML0530

Scenario: Alt3
Node: NML0530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 67.8000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh323
Peaking Factor: 323.0
Area: 75.0376 ac
Curve Number: 73.5
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 06_M_0100_NT

Scenario: Alt3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 10.50 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.50
0	0	0	300.0000	2.50

Comment:

Node: 06_M_0110_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0010	44
2.67	0.0110	479
3.17	0.0120	523
4.17	0.0180	784
4.67	0.0200	871
5.17	0.0210	915
5.67	0.0210	915
6.17	0.0220	958
6.67	0.0220	958
7.17	0.0260	1133
7.67	0.0300	1307
8.17	0.0350	1525
8.67	0.0470	2047
9.17	0.0850	3703
9.67	0.1620	7057
10.17	0.2690	11718
10.67	0.4950	21562
11.17	0.6880	29969
11.67	0.7550	32888
12.25	0.7600	33106

Comment:

Node: 06_M_0120_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.86 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
8.83	0.0006	26
9.33	0.0339	1477
9.83	0.0660	2875
10.33	0.1486	6473
10.83	0.2266	9871
11.33	0.3569	15547
11.83	0.4739	20643
12.33	0.5789	25217
12.83	0.6684	29116
13.33	0.7510	32714
13.83	0.8199	35715
14.33	0.8532	37165
14.83	0.8893	38738
14.92	0.8904	38786
3.90	0.0001	4

Comment:

Node: 06_M_0125_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.08 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.52	0.0010	44
8.02	0.0380	1655
8.52	0.2040	8886
9.02	0.4340	18905
9.52	0.9400	40946
10.02	2.2630	98576
10.52	4.0470	176287
11.02	5.9350	258529
11.52	7.6910	335020
12.02	8.6800	378101
12.52	9.3670	408027
13.02	9.7980	426801
13.52	10.0750	438867
14.02	10.2670	447231
14.52	10.4100	453460
15.02	10.5250	458469
15.52	10.6230	462738
16.02	10.6980	466005

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.70	10.7430	467965
6.12	0.0010	44

Comment:

Node: 06_M_0130_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.21	0.0006	26
9.71	0.0132	575
10.21	0.0809	3524
10.71	0.2467	10746
11.21	0.4424	19271
11.71	0.5789	25217
12.21	0.7143	31115
12.71	0.7992	34813
13.21	0.8709	37936
13.71	0.9381	40864
14.21	0.9690	42210
14.54	0.9713	42310
4.50	0.0001	4

Comment:

Node: 06_M_0140_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.98 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.02	0.0010	44
13.00	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0145_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.14 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0006	26
9.82	0.0218	950
10.32	0.1836	7998
10.82	0.5141	22394
11.32	1.0844	47236
11.82	1.3099	57059
12.32	1.3667	59533
12.82	1.3862	60383
13.32	1.4011	61032
13.82	1.4263	62130
13.99	1.4286	62230
8.18	0.0001	4

Comment:

Node: 06_M_0200_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.98 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
4.97	0.0010	44
9.27	0.0010	44
9.77	0.0010	44
10.27	0.0300	1307
10.77	0.2200	9583
11.27	0.5700	24829
11.77	0.8300	36155
12.27	0.9800	42689
12.77	1.0700	46609
13.27	1.1100	48352
13.77	1.1200	48787
14.47	1.1300	49223

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0205_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.49 ft
Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.98	0.0010	44
7.48	0.0100	436
7.98	0.0200	871
8.48	0.0500	2178
8.98	0.0900	3920
9.48	0.4800	20909
9.98	1.6700	72745
10.48	3.9700	172933
10.98	7.0800	308405
11.48	12.7300	554519
11.98	22.9500	999702
12.48	36.4500	1587762
12.98	57.5000	2504700
13.48	84.3100	3672544
13.98	111.1100	4839952
14.48	130.6300	5690243
14.98	144.9600	6314458
15.48	154.6900	6738296
15.98	161.2500	7024050
16.48	165.2400	7197854
16.98	167.8800	7312853
17.48	169.7900	7396052
17.98	171.1200	7453987
18.48	171.9200	7488835
18.98	172.2100	7501468
19.48	172.2900	7504952
20.17	172.3100	7505824

Comment:

Node: 06_M_0210_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 8.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.13	0.0006	26

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
7.63	0.0017	74
8.13	0.0023	100
8.63	0.0052	227
9.13	0.0080	348
9.63	0.0178	775
10.13	0.0396	1725
10.63	0.0711	3097
11.13	0.1480	6447
11.63	0.3052	13295
12.13	0.5646	24594
12.63	0.8153	35514
13.13	1.0821	47136
13.63	1.2226	53256
14.13	1.3041	56807
14.63	1.3689	59629
14.82	1.3735	59830

Comment:

Node: 06_M_0220_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.01 ft
Warning Stage: 9.46 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0010	44
5.71	0.0270	1176
6.21	0.0560	2439
6.71	0.0720	3136
7.21	0.0830	3615
7.71	0.0920	4008
8.21	0.0990	4312
8.71	0.1100	4792
9.21	0.1220	5314
9.71	0.1380	6011
10.21	0.1770	7710
10.71	0.2510	10934
11.21	0.6450	28096
11.71	1.1720	51052
12.21	1.5540	67692
12.71	1.7840	77711
13.21	1.9830	86379
13.71	2.0970	91345
14.21	2.1260	92609

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
14.61	2.1310	92826

Comment:

Node: 06_M_0230_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.36 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0010	44
10.20	0.0010	44

Comment:

Node: 06_M_0240_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
7.19	0.0530	2309
7.69	0.0570	2483
8.19	0.0680	2962
8.69	0.0830	3615
9.19	0.0900	3920
9.69	0.0960	4182
10.19	0.1030	4487
10.69	0.1080	4704
11.19	0.1210	5271
11.69	0.2150	9365
12.19	0.3690	16074
12.69	0.4070	17729
13.19	0.4440	19341
13.69	0.4810	20952
14.19	0.5080	22128
14.67	0.5110	22259

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Node: 06_M_0250_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Comment:

Node: 06_M_0260_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
5.96	0.0010	44
11.73	0.0630	2744
12.23	0.2500	10890
12.73	0.3950	17206
13.23	0.4340	18905
13.73	0.4560	19863
14.23	0.5290	23043
14.58	0.5560	24219

Comment:

Node: 06_M_0270_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.42	0.0010	44
11.57	0.0050	218
12.07	0.0240	1045

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.57	0.1390	6055
13.07	0.2860	12458
13.57	0.3890	16945
14.07	0.4440	19341
14.57	0.5060	22041
15.07	0.6060	26397
15.57	0.6390	27835
15.95	0.6430	28009

Comment:

Node: 06_M_0280_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.88	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0290_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.51	0.0010	44
10.82	0.0060	261
11.32	0.0100	436
11.82	0.0210	915
12.32	0.0840	3659
12.82	0.4350	18949
13.32	0.6580	28662
13.82	0.7590	33062
14.32	0.8200	35719
14.82	0.8890	38725
15.32	0.9740	42427

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.77	1.0840	47219

Comment:

Node: 06_M_0300_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.84 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.18	0.0010	44
11.68	0.0070	305
12.18	0.0150	653
12.68	0.0380	1655
13.18	0.3310	14418
13.68	0.8390	36547
14.18	0.9690	42210
14.68	1.0120	44083
15.18	1.0480	45651
15.68	1.0770	46914
16.18	1.0880	47393
16.58	1.0900	47480
6.78	0.0010	44

Comment:

Node: 06_M_0310_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.86 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.02	0.0010	44
9.52	0.0010	44
10.02	0.0010	44
10.52	0.0010	44
11.02	0.0010	44
11.52	0.0050	218
12.02	0.0130	566

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
12.52	0.0260	1133
13.02	0.0430	1873
13.52	0.0680	2962
14.02	0.1740	7579
14.52	0.2750	11979
15.02	0.3180	13852
15.52	0.3780	16466
16.02	0.4040	17598
16.69	0.4660	20299
6.90	0.0010	44

Comment:

Node: 06_M_0315_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.55 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.88	0.0010	44
10.38	0.2210	9627
10.88	0.2690	11718
11.38	0.8840	38507
11.88	2.6430	115129
12.38	5.1090	222548
12.88	7.9370	345736
13.38	11.0630	481904
13.88	15.4690	673830
14.38	19.5260	850553
14.88	22.2290	968295
15.38	24.2730	1057332
15.88	25.9540	1130556
16.38	27.0080	1176468
16.88	27.6060	1202517
17.38	28.0130	1220246
17.88	28.1920	1228044
18.38	28.2840	1232051
18.88	28.3110	1233227
19.38	28.3200	1233619
19.67	28.3220	1233706

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0320_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.04	0.0010	44
16.40	0.0010	44

Comment:

Node: 06_M_0400_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.26 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.75	0.0010	44
12.25	0.0010	44
12.75	0.0010	44
13.25	0.0020	87
13.75	0.0240	1045
14.25	0.1470	6403
14.75	0.2130	9278
15.25	0.2330	10149
15.75	0.2390	10411
16.25	0.2910	12676
16.55	0.3310	14418
7.30	0.0010	44

Comment:

Node: 06_M_0410_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.76 ft
Warning Stage: 10.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.59	0.0010	44
11.09	0.0240	1045
11.59	0.1510	6578
12.09	0.4450	19384
12.59	1.0030	43691
13.09	1.7540	76404
13.59	3.0670	133599
14.09	4.0750	177507
14.59	4.5330	197457
15.09	4.7160	205429
15.59	4.7610	207389
16.11	4.7680	207694
7.80	0.0010	44

Comment:

Node: 06_M_0420_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 10.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.22	0.0010	44
9.72	0.0050	218
10.22	0.0120	523
10.72	0.0260	1133
11.22	0.0420	1830
11.72	0.0830	3615
12.22	0.2950	12850
12.72	0.5590	24350
13.22	0.7170	31233
13.72	0.8020	34935
14.22	0.8720	37984
14.72	0.9350	40729
15.22	0.9660	42079
15.72	1.0940	47655
16.26	1.2070	52577
8.30	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0425_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.09	0.0010	44
11.59	0.0550	2396
12.09	0.8250	35937
12.59	2.6840	116915
13.09	4.3780	190706
13.59	5.6480	246027
14.09	6.3590	276998
14.59	6.7600	294466
15.09	7.0800	308405
15.59	7.3950	322126
16.09	7.6670	333975
16.59	7.8720	342904
17.09	8.0460	350484
17.59	8.2250	358281
18.09	8.3300	362855
18.59	8.3800	365033
19.09	8.3920	365556
19.43	8.3940	365643

Comment:

Node: 06_M_0430_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.83 ft

Stage [ft]	Area [ac]	Area [ft2]
8.91	0.0010	44
16.00	0.0010	44

Comment:

Node: 06_M_0500_NS

Scenario: Alt3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.26 ft
Warning Stage: 11.60 ft

Stage [ft]	Area [ac]	Area [ft2]
11.31	0.0010	44
11.81	0.2090	9104
12.31	0.5240	22825
12.81	0.7860	34238
13.31	0.9910	43168
13.81	1.1290	49179
14.31	1.1840	51575
14.81	1.1900	51836
15.31	1.1980	52185
15.81	1.3180	57412
16.16	1.3870	60418
8.00	0.0010	44

Comment:

Node: 06_M_0510_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.13 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.68	0.0010	44
12.18	0.0160	697
12.68	0.0890	3877
13.18	0.1700	7405
13.68	0.2590	11282
14.18	0.4750	20691
14.68	0.7380	32147
15.18	0.7880	34325
15.68	0.7940	34587
16.18	0.7990	34804
16.71	0.8050	35066
9.17	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0520_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.57 ft
Warning Stage: 11.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.26	0.0010	44
11.76	0.0210	915
12.26	0.1590	6926
12.76	0.5540	24132
13.26	0.9080	39552
13.76	1.2120	52795
14.26	1.5850	69043
14.76	2.0450	89080
15.26	2.2770	99186
15.76	2.3670	103107
16.26	2.4530	106853
16.76	2.5160	109597
17.26	2.5430	110773
17.76	2.5880	112733
18.26	2.5980	113169
9.61	0.0010	44

Comment:

Node: 06_M_0525_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.53 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.98	0.0010	44
10.48	0.3090	13460
10.98	0.5620	24481
11.48	2.9520	128589
11.98	6.1600	268330
12.48	10.0960	439782
12.98	15.6680	682498
13.48	21.2960	927654
13.98	26.6820	1162268
14.48	31.4830	1371399
14.98	35.9660	1566679
15.48	39.9180	1738828

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.98	42.9240	1869769
16.48	44.6310	1944126
16.98	45.2600	1971526
17.48	45.5190	1982808
17.98	45.6380	1987991
18.48	45.6780	1989734
19.19	45.6920	1990344

Comment:

Node: 06_M_0530_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
10.08	0.0010	44
10.71	0.0010	44
11.21	0.0210	915
11.71	0.4220	18382
12.21	1.6750	72963
12.71	3.1440	136953
13.21	4.0570	176723
13.71	4.8010	209132
14.21	5.7290	249555
14.71	6.5850	286843
15.21	7.1740	312499
15.71	7.4560	324783
16.21	7.6540	333408
16.71	7.8060	340029
17.21	7.8760	343079
17.71	7.9080	344472
18.21	7.9430	345997
18.71	7.9620	346825
19.21	7.9650	346955
19.65	7.9680	347086

Comment:

Node: 06_M_0600_NS

Scenario: Alt3

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.04 ft
Warning Stage: 12.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.9500	41382
13.96	1.3500	58806
14.96	1.5500	67518

Comment:

Node: 06_M_0610_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.66 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.66	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0620_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
6.96	0.1100	4792
9.96	0.1800	7841
10.96	0.2100	9148
11.96	0.2700	11761
12.96	0.3900	16988
13.96	1.1400	49658
14.96	1.5000	65340

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0630_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4300	18731
13.96	0.8300	36155
14.96	1.8700	81457
15.96	2.0000	87120

Comment:

Node: 06_M_0640_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.99 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.79	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0650_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.96	0.4400	19166
13.96	3.1400	136778
14.96	5.2700	229561
15.96	6.2400	271814

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0660_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 13.96 ft

Stage [ft]	Area [ac]	Area [ft2]
9.27	0.0010	44
15.00	0.0010	44

Comment:

Node: 06_M_0670_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.06 ft
Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	1.4100	61420
14.96	3.1800	138521
15.96	3.4700	151153

Comment:

Node: 06_M_0680_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.52 ft
Warning Stage: 14.96 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.5800	25265
12.96	1.2500	54450
13.96	1.5000	65340
14.96	1.8000	78408
15.96	2.1400	93218

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_0690_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.07 ft
Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
12.07	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0700_NE

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.27 ft
Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.27	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_0710_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.50 ft
Warning Stage: 17.26 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	0.0010	44
18.30	0.0010	44

Comment:

Node: 06_M_1000_NS

Scenario: Alt3
Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Base Flow: 0.00 cfs
Initial Stage: 10.37 ft
Warning Stage: 13.56 ft

Stage [ft]	Area [ac]	Area [ft2]
9.96	0.0100	436
14.96	0.0200	871

Comment:

Node: 06_M_1100_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.96 ft
Warning Stage: 14.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	8.9000	387684
12.96	20.5800	896465
13.96	30.2500	1317690
14.96	35.6400	1552478

Comment:

Node: 06_M_2000_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.41 ft
Warning Stage: 16.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	0.0100	436
17.96	0.0200	871

Comment:

Node: 06_M_2100_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Initial Stage: 12.46 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
11.96	12.0100	523156
12.96	38.7300	1687079
13.96	56.6100	2465932
14.96	96.3400	4196570
15.96	114.8100	5001124

Comment:

Node: 06_M_2200_NP

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.06 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.06	4.8900	213008
14.96	4.9900	217364
15.96	5.1000	222156
18.96	5.4500	237402
19.46	5.5200	240451
19.96	5.5800	243065

Comment:

Node: 06_M_2300_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.2000	182952
14.96	7.3700	321037
15.96	10.1000	439956
18.96	11.5800	504425

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: 06_M_2400_NP

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	6.7500	294030
14.96	6.8900	300128
17.96	7.2900	317552
18.46	7.3600	320602
19.46	7.5000	326700
19.96	7.5700	329749

Comment:

Node: 06_M_2500_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	4.6900	204296
14.96	13.0200	567151
15.96	29.9000	1302444
16.96	37.9880	1654757

Comment:

Node: 06_M_2600_NP

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	1.6700	72745
16.96	1.7400	75794
17.96	1.8100	78844
19.46	1.9100	83200

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
19.96	1.9500	84942

Comment:

Node: 06_M_2700_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 18.96 ft

Stage [ft]	Area [ac]	Area [ft2]
13.96	12.9100	562360
14.96	37.0400	1613462
15.96	59.9400	2610986
16.96	93.4500	4070682
19.96	118.3000	5153148

Comment:

Node: 06_M_2800_NP

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 20.46 ft

Stage [ft]	Area [ac]	Area [ft2]
15.96	7.7700	338461
20.46	8.7100	379408

Comment:

Node: 06_M_3000_NC

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 15.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0010	44
17.00	0.0010	44

Comment:

Node: 06_M_3100_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.04 ft
Warning Stage: 17.46 ft

Stage [ft]	Area [ac]	Area [ft2]
12.40	1.1070	48221
12.90	1.1580	50442
13.40	1.2580	54798
13.90	2.0910	91084
14.40	4.3660	190183
14.90	6.6900	291416
15.40	10.2650	447143
15.90	16.0230	697962
16.40	24.0270	1046616
16.90	33.0730	1440660
17.40	41.5060	1808001
17.90	47.9440	2088441
18.40	52.8770	2303322
18.90	56.8390	2475907
19.40	61.1330	2662953
19.90	65.0850	2835103
20.40	69.1860	3013742
20.90	74.0930	3227491
21.40	80.4820	3505796
21.90	88.6950	3863554
22.40	99.8800	4350773
22.90	111.5970	4861165
23.40	121.6880	5300729
23.90	128.3280	5589968
24.40	132.8070	5785073
24.90	136.7730	5957832
25.40	140.3440	6113385
25.90	143.4410	6248290
26.40	145.8960	6355230
26.90	147.2560	6414471
27.40	148.0820	6450452
27.90	148.4120	6464827
28.40	148.5090	6469052

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.90	148.5940	6472755
29.40	148.6340	6474497
29.79	148.6410	6474802

Comment:

Node: 06_M_3200_ND

Scenario: Alt3
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.96 ft
 Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.46	0.0010	44
16.96	0.0390	1699
17.46	0.9910	43168
17.96	6.4770	282138
18.46	11.0890	483037
18.96	13.0900	570200
19.46	13.8640	603916
19.96	14.2210	619467
20.46	14.4460	629268
20.96	14.7550	642728
21.46	15.0780	656798
21.96	15.2970	666337
22.46	15.4260	671957
22.96	15.5160	675877
23.46	15.5820	678752
23.96	15.6140	680146
24.46	15.6390	681235
24.96	15.6630	682280
25.62	15.6810	683064

Comment:

Node: 06_M_3250_NS

Scenario: Alt3
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 15.96 ft
 Warning Stage: 18.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
15.96	0.0010	44
20.00	0.0010	44

Comment:

Node: 06_M_3300_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
14.96	0.6200	27007
15.96	14.1500	616374
16.96	20.3100	884704
17.96	24.7300	1077239
18.96	28.2300	1229699

Comment:

Node: 06_M_3400_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.6300	27443
17.96	7.0000	304920
18.96	34.7900	1515452
19.96	56.4300	2458091
20.96	70.2700	3060961
21.96	78.3900	3414668

Comment:

Node: 06_M_3500_ND

Scenario: Alt3
Type: Stage/Area

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Base Flow: 0.00 cfs
Initial Stage: 18.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
18.96	6.2600	272686
19.96	9.0100	392476
20.96	12.1100	527512
21.96	15.0200	654271
22.96	18.3200	798019

Comment:

Node: 06_M_3600_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 25.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.2800	12197
20.96	18.4600	804118
21.96	30.1100	1311592
22.96	47.0000	2047320
28.96	76.5500	3334518

Comment:

Node: 06_M_4100_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.96 ft
Warning Stage: 19.96 ft

Stage [ft]	Area [ac]	Area [ft2]
16.96	0.0010	44
18.00	0.0070	305
18.50	1.3160	57325
19.00	4.2860	186698
19.50	10.6220	462694
20.00	16.7480	729543
20.50	22.7160	989509

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.00	28.5720	1244596
21.50	35.3880	1541501
22.00	42.7530	1862321
22.50	48.7750	2124639
23.00	52.2900	2277752
23.50	55.5660	2420455
24.00	57.3780	2499386
24.50	58.7050	2557190
25.00	59.8360	2606456
25.50	60.8650	2651279
26.00	62.0550	2703116
26.50	63.3040	2757522
27.00	64.6950	2818114
27.50	66.2110	2884151
28.00	68.0880	2965913
28.50	70.4610	3069281
29.00	73.6690	3209022
29.50	77.6550	3382652
30.00	81.9040	3567738
30.50	85.4170	3720765
31.00	88.1950	3841774
31.50	91.1840	3971975
32.00	94.4130	4112630
32.50	96.3510	4197050
33.00	97.2680	4236994
33.50	97.6240	4252501
34.00	97.9080	4264872
34.50	98.0760	4272191
35.00	98.1850	4276939
35.50	98.3080	4282296
36.00	98.3680	4284910
36.50	98.3940	4286043
36.86	98.3980	4286217

Comment:

Node: 06_M_4200_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.96 ft
Warning Stage: 17.96 ft

Stage [ft]	Area [ac]	Area [ft2]
17.00	0.0010	44
17.51	0.0200	871

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
18.01	1.1800	51401
18.51	1.9970	86989
19.01	2.7710	120705
19.51	3.8130	166094
20.01	5.0050	218018
20.51	6.3830	278043
21.01	8.4520	368169
21.51	10.9650	477635
22.01	13.2350	576517
22.51	14.6640	638764
23.01	15.7650	686723
23.51	16.6280	724316
24.01	17.0870	744310
24.51	17.3720	756724
25.01	17.5100	762736
25.51	17.5590	764870
26.01	17.5900	766220
26.51	17.6210	767571
27.01	17.6630	769400
27.51	17.6980	770925
27.79	17.7030	771143

Comment:

Node: 06_M_5000_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.36 ft
Warning Stage: 23.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.36	0.0010	44
25.00	0.0010	44

Comment:

Node: 06_M_5100_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.96 ft
Warning Stage: 24.96 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.96	0.5600	24394
22.96	0.8600	37462
23.96	2.7900	121532
24.96	6.6400	289238
25.96	10.7300	467399

Comment:

Node: 06_M_5200_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
20.06	0.0010	44
28.00	0.0010	44

Comment:

Node: 06_M_5300_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 31.56 ft
Warning Stage: 43.96 ft

Stage [ft]	Area [ac]	Area [ft2]
31.56	0.0010	44
45.00	0.0010	44

Comment:

Node: 06_M_5400_NS

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 26.46 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.46	0.0100	436
26.96	0.0200	871

Comment:

Node: 06_M_5500_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.96 ft
Warning Stage: 24.46 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	0.4100	17860
20.96	3.3200	144619
21.96	16.4400	716126
22.96	25.2400	1099454
23.96	42.0000	1829520
24.96	52.7200	2296483
25.96	64.1700	2795245
26.96	83.7000	3645972
27.96	92.4900	4028864

Comment:

Node: 06_M_5600_ND

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.96 ft
Warning Stage: 26.96 ft

Stage [ft]	Area [ac]	Area [ft2]
19.96	3.0400	132422
20.96	4.0300	175547
21.96	5.1600	224770
22.96	22.2800	970517
23.96	87.4700	3810193
24.96	116.3600	5068642
25.96	145.5700	6341029
26.96	182.3600	7943602
28.96	225.4600	9821038

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
33.96	295.8300	12886355

Comment:

Node: MULLET_LAKE

Scenario: Alt3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	2.58
0	0	0	300.0000	2.58

Comment:

Node: NML0000

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.58 ft
Warning Stage: 5.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0010	44
2.00	0.0690	3006
2.50	1.8720	81544
3.00	13.4810	587232
3.50	35.1430	1530829
4.00	48.7030	2121503
4.50	55.7580	2428818
5.00	61.5450	2680900
5.50	67.4190	2936772
6.00	73.4470	3199351
6.50	79.8370	3477700
7.00	86.1390	3752215
7.50	91.3410	3978814
8.00	96.1470	4188163
8.50	100.5130	4378346
9.00	105.0230	4574802
9.50	109.6630	4776920

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.00	113.6280	4949636
10.50	116.7300	5084759
11.00	119.6550	5212172
11.50	122.4540	5334096
12.00	124.6500	5429754
12.50	126.4540	5508336
13.00	127.9360	5572892
13.50	129.4860	5640410
14.00	131.1580	5713242
14.50	132.9010	5789168
15.00	134.9130	5876810
15.50	137.0640	5970508
16.00	138.9340	6051965
16.50	140.1880	6106589
17.00	141.0000	6141960
17.50	141.2470	6152719
18.00	141.3110	6155507
18.50	141.3420	6156858
19.00	141.3700	6158077
19.41	141.3740	6158251
-0.30	0.0010	44
1.40	0.0010	44

Comment:

Node: NML0050

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.70 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
8.70	0.0010	44
10.22	0.0120	523
10.72	0.2900	12632
11.22	1.0380	45215
11.72	2.5470	110947
12.22	3.9070	170189
12.72	4.8690	212094
13.22	5.6010	243980
13.72	6.3530	276737
14.22	7.0360	306488
14.72	7.4770	325698
15.22	7.6470	333103
15.72	7.8090	340160

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.22	7.8250	340857
16.72	7.8340	341249
17.22	7.8440	341685
17.48	7.8480	341859

Comment:

Node: NML0100

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.37 ft
Warning Stage: 8.12 ft

Stage [ft]	Area [ac]	Area [ft2]
3.37	0.0010	44
4.25	0.0010	44
4.75	0.0350	1525
5.20	0.1140	4966
5.25	3.9710	172977
6.25	4.2600	185566
7.25	5.7420	250122
8.25	8.2440	359109
8.50	8.8270	384504
10.25	9.2700	403801
10.75	10.3530	450977
11.25	12.0340	524201
11.75	14.0980	614109
12.25	16.1080	701664
12.75	17.7440	772929
13.25	19.4120	845587
13.75	21.3550	930224
14.25	23.2350	1012117
14.75	25.1750	1096623
15.25	27.3310	1190538
15.75	29.1270	1268772
16.25	31.1370	1356328
16.75	32.8780	1432166
17.25	34.8420	1517718
17.75	37.1120	1616599
18.25	39.4660	1719139
18.75	41.7670	1819371
19.25	44.1220	1921954
19.75	46.2520	2014737
20.25	48.1680	2098198
20.75	50.3520	2193333

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.25	51.5320	2244734
21.75	52.1010	2269520
22.25	52.4710	2285637
22.75	52.7860	2299358
23.25	53.1400	2314778
23.75	53.3130	2322314
24.25	53.3910	2325712
24.70	53.4180	2326888

Comment:

Node: NML0110

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.0010	44
10.40	0.0700	3049
10.90	0.4090	17816
11.40	1.4300	62291
11.90	2.6860	117002
12.40	3.8070	165833
12.90	4.8760	212399
13.40	5.6170	244677
13.90	6.2930	274123
14.40	7.4180	323128
14.90	8.1220	353794
15.40	8.5300	371567
15.90	8.6920	378624
16.40	8.7850	382675
16.90	8.8510	385550
17.40	8.9040	387858
17.90	8.9320	389078
18.40	8.9500	389862
18.90	8.9560	390123
19.55	8.9600	390298
8.33	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: NML0120

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.69 ft
Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
15.04	0.0010	44
15.54	0.0130	566
16.04	0.0480	2091
16.54	0.0980	4269
17.04	0.1620	7057
17.54	0.2300	10019
18.04	0.3000	13068
18.54	0.4020	17511
19.04	0.4990	21736
19.54	0.6120	26659
20.04	0.7350	32017
20.54	0.8300	36155
21.04	0.8720	37984
21.54	0.9010	39248
22.04	0.9300	40511
22.54	0.9500	41382
23.04	0.9690	42210
23.54	0.9890	43081
24.04	1.0020	43647
24.54	1.0170	44301
25.04	1.0390	45259
25.73	1.0520	45825

Comment:

Node: NML0150

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.80 ft
Warning Stage: 20.30 ft

Stage [ft]	Area [ac]	Area [ft2]
18.30	0.0010	44
18.80	1.0330	44997
19.30	1.2550	54668
19.80	2.0080	87468
20.30	2.8720	125104
20.80	6.2140	270682

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
21.30	12.5080	544848
21.80	15.6940	683631
22.30	17.9430	781597
22.80	19.5320	850814
23.30	20.4330	890061
23.80	20.9720	913540
24.30	21.6770	944250
24.80	22.2490	969166
25.30	22.4460	977748
25.80	22.5770	983454
26.30	22.7590	991382
26.80	22.9290	998787
27.30	22.9980	1001793
27.96	23.0020	1001967

Comment:

Node: NML0200

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.10 ft
Warning Stage: 5.55 ft

Stage [ft]	Area [ac]	Area [ft2]
3.01	0.0010	44
3.51	0.0110	479
4.01	0.0350	1525
4.51	0.0960	4182
5.01	0.2360	10280
5.51	0.5400	23522
6.01	1.4910	64948
6.51	3.3320	145142
7.01	8.2170	357933
7.51	14.8390	646387
8.01	20.8740	909271
8.51	26.2620	1143973
9.01	31.8700	1388257
9.51	36.6300	1595603
10.01	40.8880	1781081
10.51	44.9020	1955931
11.01	47.7970	2082037
11.51	49.6500	2162754
12.01	51.0070	2221865
12.51	52.3310	2279538
13.01	53.7660	2342047

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
13.51	55.2940	2408607
14.01	56.8520	2476473
14.51	57.5730	2507880
15.01	57.9610	2524781
15.51	58.2480	2537283
16.01	58.3090	2539940
16.47	58.3170	2540289

Comment:

Node: NML0210

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0490	2134
6.45	0.0890	3877
6.95	1.7010	74096
7.45	5.5070	239885
7.95	12.2730	534612
8.45	18.6630	812960
8.95	24.2790	1057593
9.45	29.2130	1272518
9.95	33.9910	1480648
10.45	40.5850	1767883
10.95	44.7890	1951009
11.45	48.5690	2115666
11.95	51.8240	2257453
12.45	53.2980	2321661
12.95	54.0350	2353765
13.45	54.5870	2377810
13.95	55.0500	2397978
14.45	55.4250	2414313
14.95	55.6940	2426031
15.45	55.8170	2431389
15.95	55.8700	2433697
16.41	55.8860	2434394
5.40	0.0010	44

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: NML0220

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.80 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
6.82	0.0010	44
7.32	0.0340	1481
7.82	0.3880	16901
8.32	0.9840	42863
8.82	1.6530	72005
9.32	2.1770	94830
9.82	3.1720	138172
10.32	5.6270	245112
10.82	9.1660	399271
11.32	13.7940	600867
11.82	18.1200	789307
12.32	22.1890	966553
12.82	25.7450	1121452
13.32	29.6650	1292207
13.82	32.9250	1434213
14.32	34.3710	1497201
14.82	35.0220	1525558
15.32	35.5150	1547033
15.82	35.8480	1561539
16.32	35.9390	1565503
16.82	35.9730	1566984
17.32	35.9820	1567376

Comment:

Node: NML0300

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.84 ft
Warning Stage: 11.70 ft

Stage [ft]	Area [ac]	Area [ft2]
7.34	0.0010	44
7.84	0.0250	1089
8.34	0.1290	5619
8.84	0.2340	10193
9.34	0.3920	17076
9.84	0.5570	24263

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
10.34	0.7250	31581
10.84	0.9070	39509
11.34	1.1020	48003
11.84	1.3150	57281
12.34	1.5550	67736
12.84	1.7720	77188
13.34	2.0140	87730
13.84	2.2620	98533
14.34	2.5650	111731
14.84	2.8820	125540
15.34	3.2880	143225
15.84	3.9890	173761
16.34	5.4370	236836
16.84	6.9250	301653
17.34	7.9490	346258
17.84	8.9010	387728
18.34	10.0230	436602
18.84	11.6250	506385
19.34	13.3920	583356
19.84	15.0760	656711
20.34	17.2090	749624
20.84	19.5640	852208
21.34	22.5730	983280
21.84	26.0950	1136698
22.34	29.0320	1264634
22.84	31.3410	1365214
23.34	33.1320	1443230
23.84	35.1820	1532528
24.34	36.9290	1608627
24.84	37.8410	1648354
25.34	38.4440	1674621
25.84	38.6980	1685685
26.34	38.8080	1690476
26.67	38.8230	1691130

Comment:

Node: NML0310

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.66 ft
Warning Stage: 20.10 ft

Stage [ft]	Area [ac]	Area [ft2]
19.66	1.0680	46522

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.16	1.0840	47219
20.66	1.1060	48177
21.16	1.1290	49179
21.66	1.1530	50225
22.16	1.2110	52751
22.66	1.3690	59634
23.16	1.8270	79584
23.66	2.9260	127457
24.16	4.7360	206300
24.66	7.7310	336762
25.16	9.1530	398705
25.72	9.3910	409072

Comment:

Node: NML0400

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.10 ft
Warning Stage: 12.20 ft

Stage [ft]	Area [ac]	Area [ft2]
9.32	0.0010	44
9.82	0.0140	610
10.32	0.0350	1525
10.82	0.0770	3354
11.32	0.1250	5445
11.82	0.1780	7754
12.32	0.2800	12197
12.82	0.3940	17163
13.32	0.5180	22564
13.82	0.6550	28532
14.32	0.7990	34804
14.82	0.9930	43255
15.32	1.2940	56367
15.82	1.8880	82241
16.32	2.6320	114650
16.82	3.1770	138390
17.32	3.6010	156860
17.82	3.9540	172236
18.32	4.2880	186785
18.82	4.5220	196978
19.32	4.7940	208827
19.82	5.1220	223114
20.32	5.4130	235790

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.82	5.6730	247116
21.32	5.7440	250209
21.75	5.7540	250644

Comment:

Node: NML0410

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.70 ft

Stage [ft]	Area [ac]	Area [ft2]
12.86	0.0010	44
13.36	0.0650	2831
13.86	2.3670	103107
14.36	8.5900	374180
14.86	15.7800	687377
15.36	21.3510	930050
15.86	25.3410	1103854
16.36	28.5390	1243159
16.86	31.6400	1378238
17.36	34.6440	1509093
17.86	37.1850	1619779
18.36	39.8450	1735648
18.86	43.0860	1876826
19.36	46.6690	2032902
19.86	50.4260	2196557
20.36	54.7800	2386217
20.86	60.2240	2623357
21.36	67.5530	2942609
21.86	75.5090	3289172
22.36	83.1740	3623059
22.86	91.3130	3977594
23.36	102.0060	4443381
23.86	112.4190	4896972
24.36	123.8010	5392772
24.86	140.0460	6100404
25.36	174.2800	7591637
25.86	216.8760	9447119
26.36	252.2660	10988707
26.86	289.1130	12593762
27.36	315.9300	13761911
27.86	330.3960	14392050
28.36	340.2480	14821203

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
28.86	349.4620	15222565
29.36	358.3800	15611033
29.86	365.9130	15939170
30.36	371.4710	16181277
30.86	374.7100	16322368
31.36	377.3980	16439457
31.86	379.3460	16524312
32.36	380.5620	16577281
32.86	381.2610	16607729
33.36	381.6060	16622757
33.86	381.7280	16628072
34.36	381.7420	16628682
34.86	381.7490	16628986
35.58	381.7580	16629378

Comment:

Node: NML0420

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.90 ft
Warning Stage: 26.70 ft

Stage [ft]	Area [ac]	Area [ft2]
19.17	0.0010	44
19.67	0.0010	44
20.17	0.0650	2831
20.67	0.8740	38071
21.17	3.6030	156947
21.67	7.3200	318859
22.17	11.8740	517231
22.67	18.6690	813222
23.17	27.0950	1180258
23.67	36.9290	1608627
24.17	49.0380	2136095
24.67	64.7770	2821686
25.17	83.8940	3654423
25.67	109.0400	4749782
26.17	134.2810	5849280
26.67	152.2940	6633927
27.17	163.5570	7124543
27.67	170.9870	7448194
28.17	177.0420	7711950
28.67	185.0510	8060822
29.17	194.1250	8456085

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
29.67	201.0040	8755734
30.17	209.4950	9125602
30.67	216.3410	9423814
31.17	223.0020	9713967
31.67	227.7400	9920354
32.17	233.0580	10152006
32.67	239.8120	10446211
33.17	245.6980	10702605
33.67	250.1250	10895445
34.17	254.0920	11068248
34.67	259.0960	11286222
35.17	263.9100	11495920
35.67	266.9280	11627384
36.17	269.1900	11725916
36.67	271.2850	11817175
37.17	273.7430	11924245
37.67	275.6160	12005833
38.17	277.0970	12070345
38.67	278.5350	12132985
39.17	280.1680	12204118
39.67	281.8330	12276645
40.17	283.6970	12357841
40.67	285.5110	12436859
41.17	287.3130	12515354
41.67	288.9460	12586488
42.17	290.4970	12654049
42.67	291.9700	12718213
43.17	293.4380	12782159
43.67	294.7990	12841444
44.17	296.1790	12901557
44.67	297.6530	12965765
45.17	299.3400	13039250
45.67	301.2920	13124280
46.17	303.1410	13204822
46.67	304.9690	13284450
47.17	306.6100	13355932
47.67	307.8470	13409815
48.17	308.7460	13448976
48.67	309.5480	13483911
49.17	310.3410	13518454
49.67	311.2020	13555959
50.17	311.9580	13588890
50.67	312.3050	13604006
51.17	312.4950	13612282
51.67	312.5570	13614983
51.99	312.5670	13615419

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Node: NML0430

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.87 ft
Warning Stage: 32.50 ft

Stage [ft]	Area [ac]	Area [ft2]
26.46	0.0010	44
26.96	0.2250	9801
27.46	0.2840	12371
27.96	0.3470	15115
28.46	0.4960	21606
28.96	0.7500	32670
29.46	1.3750	59895
29.96	4.0820	177812
30.46	6.9390	302263
30.96	8.7190	379800
31.46	10.6440	463653
31.96	12.6940	552951
32.46	14.7470	642379
32.96	16.6710	726189
33.46	18.8350	820453
33.96	21.2620	926173
34.46	23.8150	1037381
34.96	26.7300	1164359
35.46	29.8440	1300005
35.96	32.0930	1397971
36.46	33.8410	1474114
36.96	34.9770	1523598
37.46	35.7970	1559317
37.96	36.5690	1592946
38.46	37.4010	1629188
38.96	38.0880	1659113
39.46	38.8300	1691435
39.96	39.6100	1725412
40.46	40.5670	1767099
40.96	41.6710	1815189
41.46	42.6910	1859620
41.96	43.5140	1895470
42.46	44.3790	1933149
42.96	45.3340	1974749
43.46	46.3410	2018614
43.96	47.5120	2069623
44.46	49.0470	2136487
44.96	50.4110	2195903
45.46	51.7020	2252139
45.96	53.0460	2310684
46.46	54.5110	2374499

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
46.96	56.5080	2461488
47.46	58.8590	2563898
47.96	61.1750	2664783
48.46	63.2060	2753253
48.96	65.5340	2854661
49.46	67.8250	2954457
49.96	70.7010	3079736
50.46	73.1890	3188113
50.96	75.5120	3289303
51.46	77.7280	3385832
51.96	80.1910	3493120
52.46	83.1540	3622188
52.96	85.5400	3726122
53.46	88.0530	3835589
53.96	90.9360	3961172
54.46	93.6170	4077957
54.96	96.4150	4199837
55.46	99.1800	4320281
55.96	102.5050	4465118
56.46	105.0670	4576719
56.96	107.0270	4662096
57.46	108.6720	4733752
57.96	110.0950	4795738
58.46	111.8200	4870879
58.96	113.8300	4958435
59.46	115.7220	5040850
59.96	117.2130	5105798
60.46	118.4410	5159290
60.96	119.4080	5201412
61.46	120.1950	5235694
61.96	120.9950	5270542
62.46	121.9040	5310138
62.96	122.6620	5343157
63.46	123.3380	5372603
63.96	124.0140	5402050
64.46	124.5580	5425746
64.96	125.1770	5452710
65.46	125.7820	5479064
65.96	126.2990	5501584
66.46	126.7720	5522188
66.96	127.2910	5544796
67.46	127.7850	5566315
67.96	128.2070	5584697
68.46	128.5730	5600640
68.96	128.9280	5616104
69.46	129.2970	5632177
69.96	129.6420	5647206
70.46	129.9720	5661580

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
70.96	130.2970	5675737
71.46	130.6660	5691811
71.96	131.0090	5706752
72.46	131.3180	5720212
72.96	131.5230	5729142
73.46	131.7020	5736939
73.96	131.8230	5742210
74.46	131.9520	5747829
74.96	132.0710	5753013
75.46	132.1390	5755975
75.96	132.1570	5756759
76.31	132.1590	5756846

Comment:

Node: NML0500

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 12.50 ft

Stage [ft]	Area [ac]	Area [ft2]
8.50	0.0010	44
9.01	0.0010	44
9.51	0.0300	1307
10.01	0.1160	5053
10.51	0.3680	16030
11.01	1.2950	56410
11.51	2.8890	125845
12.01	4.7260	205865
12.51	7.4760	325655
13.01	11.3190	493056
13.51	15.3100	666904
14.01	18.3310	798498
14.51	21.0570	917243
15.01	23.7430	1034245
15.51	25.9380	1129859
16.01	27.7950	1210750
16.51	30.1850	1314859
17.01	32.0350	1395445
17.51	33.1280	1443056
18.01	33.7440	1469889
18.51	34.1450	1487356
19.01	34.5070	1503125
19.51	34.7540	1513884

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
20.01	34.8320	1517282
20.51	34.8590	1518458
21.01	34.8700	1518937
21.14	34.8700	1518937

Comment:

Node: NML0510

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.93	0.0010	44
8.43	0.0300	1307
8.93	0.0620	2701
9.43	0.4140	18034
9.93	0.9660	42079
10.43	1.3860	60374
10.93	2.1730	94656
11.43	3.0020	130767
11.93	4.1360	180164
12.43	5.5850	243283
12.93	6.8340	297689
13.43	8.0170	349221
13.93	8.6700	377665
14.43	8.8820	386900
14.93	8.9970	391909
15.43	9.0660	394915
15.93	9.1030	396527
16.56	9.1110	396875

Comment:

Node: NML0520

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.72 ft
Warning Stage: 9.80 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
8.20	0.0010	44
8.70	0.0370	1612
9.20	0.5750	25047
9.70	1.7370	75664
10.20	3.7410	162958
10.70	6.7910	295816
11.20	10.3560	451107
11.70	13.9580	608010
12.20	17.0080	740868
12.70	19.5060	849681
13.20	21.9820	957536
13.70	23.8880	1040561
14.20	24.9350	1086169
14.70	25.4420	1108254
15.20	25.7630	1122236
15.70	25.8410	1125634
16.27	25.8490	1125982

Comment:

Node: NML0530

Scenario: Alt3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.70 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.70	0.0010	44
7.65	0.0200	871
8.15	0.0380	1655
8.65	0.1350	5881
9.15	0.3950	17206
9.65	1.0210	44475
10.15	1.5810	68868
10.65	2.0450	89080
11.15	2.6540	115608
11.65	3.3450	145708
12.15	4.0670	177159
12.65	4.9940	217539
13.15	7.2430	315505
13.65	10.0150	436253
14.15	13.3540	581700
14.65	16.9240	737209
15.15	22.0440	960237
15.65	27.8010	1211012

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Stage [ft]	Area [ac]	Area [ft2]
16.15	34.4670	1501383
16.65	40.2220	1752070
17.15	45.0370	1961812
17.65	49.0770	2137794
18.15	52.4290	2283807
18.65	55.2110	2404991
19.15	57.7250	2514501
19.65	59.8640	2607676
20.15	61.6860	2687042
20.65	63.2640	2755780
21.15	64.4990	2809576
21.65	65.7310	2863242
22.15	67.0510	2920742
22.65	68.2010	2970836
23.15	69.7170	3036873
23.65	71.4390	3111883
24.15	72.5830	3161715
24.65	73.6960	3210198
25.15	74.5150	3245873
25.65	74.7990	3258244
26.15	74.8870	3262078
26.65	74.9430	3264517
27.15	74.9830	3266259
27.65	75.0150	3267653
28.40	75.0330	3268437

Comment:

Channel Link: 06_M_0110_LC		Upstream	Downstream
Scenario:	Alt3	Invert: 1.40 ft	Invert: -0.04 ft
From Node:	06_M_0110_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0100_NT	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0110_XC_1	Cross Section: 06_M_0110_XC_2
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1650.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	1.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: 06_M_0110_NE_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	9.98 ft	Discharge Coefficients
Control Elevation:	9.98 ft	Weir Default: 2.800
Cross Section:	06_M_0110_NE_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0110_NE_W2		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0110_NE	Default: 0.00 ft
To Node:	06_M_0100_NT	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:	Rectangular	Ref Node:
Invert:	10.70 ft	Discharge Coefficients
Control Elevation:	10.70 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0120_LP		
Scenario:	Alt3	Invert: 2.86 ft
From Node:	06_M_0120_NS	Manning's N: 0.0240
To Node:	06_M_0110_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Circular
Flow Direction:	Both	Max Depth: 4.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	72.00 ft	Default: 0.00 ft
FHWA Code:	5	Op Table:
Entr Loss Coef:	0.70	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
		Default: 0.00 ft
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_0120_NS_W1

Scenario: Alt3

Bottom Clip

From Node: 06_M_0120_NS

Default: 0.00 ft

To Node: 06_M_0110_NE

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: 10.42 ft

Discharge Coefficients

Control Elevation: 10.42 ft

Weir Default: 2.800

Cross Section: 06_M_0120_NS_W1X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0120_NS_W2

Scenario: Alt3

Bottom Clip

From Node: 06_M_0120_NS

Default: 0.00 ft

To Node: 06_M_0100_NT

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: 10.15 ft

Discharge Coefficients

Control Elevation: 10.15 ft

Weir Default: 2.800

Cross Section: 06_M_0120_NS_W2X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0125_LP

Upstream

Downstream

Scenario: Alt3

Invert: 5.08 ft

Invert: 3.61 ft

From Node: 06_M_0125_NS

Manning's N: 0.0240

Manning's N: 0.0240

To Node: 06_M_0120_NS

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both

Damping: 0.0000 ft

Length: 47.00 ft

FHWA Code: 4

Entr Loss Coef: 0.50

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

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

Comment:

Weir Link: 06_M_0125_NS_W1

Scenario: Alt3

From Node: 06_M_0125_NS

To Node: MULLET_LAKE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.18 ft

Control Elevation: 10.18 ft

Cross Section: 06_M_0125_NS_W1X

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: 06_M_0125_NS_W2

Scenario: Alt3

From Node: 06_M_0125_NS

To Node: 06_M_0120_NS

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 10.72 ft

Control Elevation: 10.72 ft

Cross Section: 06_M_0125_NS_W2X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: 06_M_0125_NS_W3		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0125_NS	Default: 0.00 ft
To Node:	06_M_0110_NE	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:	10.52 ft	Discharge Coefficients
Control Elevation:	10.52 ft	Weir Default: 2.800
Cross Section:	06_M_0125_NS_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0130_LC		
	Upstream	Downstream
Scenario:	Alt3	Invert: 3.46 ft
From Node:	06_M_0130_NC	Invert: 2.86 ft
To Node:	06_M_0120_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	275.00 ft	Cross Section: 06_M_0130_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0130_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0130_NC_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0130_NC	Default: 0.00 ft
To Node:	06_M_0120_NS	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:	9.36 ft	Discharge Coefficients
Control Elevation:	9.36 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Cross Section: 06_M_0130_NC_W1X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0130_NC_W2

Scenario: Alt3
From Node: 06_M_0130_NC
To Node: 06_M_0125_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.11 ft
Control Elevation: 11.11 ft
Cross Section: 06_M_0130_NC_W2X

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:

Channel Link: 06_M_0140_LC

Scenario: Alt3
From Node: 06_M_0140_NE
To Node: 06_M_0130_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 290.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 3.98 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0140_XC_1

Downstream

Invert: 3.46 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0140_XC_2

Comment:

Pipe Link: 06_M_0145_LP

Scenario: Alt3
From Node: 06_M_0145_NS

Upstream
Invert: 7.14 ft
Manning's N: 0.0240

Downstream
Invert: 5.62 ft
Manning's N: 0.0240

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

To Node:	06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	80.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: 06_M_0145_NS_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0140_NE	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:	10.44 ft	Discharge Coefficients	
Control Elevation:	10.44 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0145_NS_W2			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0145_NS	Default:	0.00 ft
To Node:	06_M_0100_NT	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:	10.42 ft	Discharge Coefficients	
Control Elevation:	10.42 ft	Weir Default:	2.800
Cross Section:	06_M_0145_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Pipe Link: 06_M_0200_LP		Upstream	Downstream
Scenario:	Alt3	Invert: 3.93 ft	Invert: 3.98 ft
From Node:	06_M_0200_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0140_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	58.00 ft	Op Table:	Op Table:
FHWA Code:	4	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0200_NS_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0200_NS	Default: 0.00 ft
To Node:	06_M_0145_NS	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:	10.79 ft	Discharge Coefficients
Control Elevation:	10.79 ft	Weir Default: 2.800
Cross Section:	06_M_0200_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0200_NS_W2		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0200_NS	Default: 0.00 ft
To Node:	06_M_0125_NS	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.07 ft
Control Elevation: 13.07 ft
Cross Section: 06_M_0200_NS_W2X

Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0200_NS_W3

Scenario: Alt3
From Node: 06_M_0200_NS
To Node: 06_M_0220_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.07 ft
Control Elevation: 13.07 ft
Cross Section: 06_M_0200_NS_W3X

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: 06_M_0205_NE_W1

Scenario: Alt3
From Node: 06_M_0205_NE
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 7.49 ft
Control Elevation: 7.49 ft
Cross Section: 06_M_0205_NE_W1X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: 06_M_0205_NE_W2		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.20 ft	Discharge Coefficients
Control Elevation:	11.20 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0205_NE_W3		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0205_NE	Default: 0.00 ft
To Node:	06_M_0200_NS	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:	11.06 ft	Discharge Coefficients
Control Elevation:	11.06 ft	Weir Default: 2.800
Cross Section:	06_M_0205_NE_W3X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0210_LC		
Scenario:	Alt3	Invert: 4.01 ft
From Node:	06_M_0210_NE	Invert: 3.93 ft
To Node:	06_M_0200_NS	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	440.00 ft	Cross Section: 06_M_0210_XC_1
Contraction Coef:	0.10	Cross Section: 06_M_0210_XC_2
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0210_NE_W2

Scenario: Alt3	Bottom Clip
From Node: 06_M_0210_NE	Default: 0.00 ft
To Node: 06_M_0200_NS	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: 12.24 ft	Discharge Coefficients
Control Elevation: 12.24 ft	Weir Default: 2.800
Cross Section: 06_M_0210_NE_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: 06_M_0220_LP

	Upstream	Downstream
Scenario: Alt3	Invert: 3.96 ft	Invert: 4.01 ft
From Node: 06_M_0220_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0210_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 4	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0220_NS_W1

Scenario: Alt3	Bottom Clip
From Node: 06_M_0220_NS	Default: 0.00 ft
To Node: 06_M_0210_NE	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.41 ft
Control Elevation: 12.41 ft
Cross Section: 06_M_0220_NS_W1X

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: 06_M_0220_NS_W2

Scenario: Alt3
From Node: 06_M_0220_NS
To Node: 06_M_0125_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.43 ft
Control Elevation: 11.43 ft
Cross Section: 06_M_0220_NS_W2X

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: 06_M_0220_NS_W3

Scenario: Alt3
From Node: 06_M_0220_NS
To Node: NML0220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.97 ft
Control Elevation: 9.97 ft
Cross Section: 06_M_0220_NS_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Channel Link: 06_M_0230_LC			Upstream	Downstream
Scenario:	Alt3	Invert:	5.36 ft	Invert: 3.96 ft
From Node:	06_M_0230_NE	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0220_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0230_XC_1	Cross Section: 06_M_0230_XC_2
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	240.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			

Comment:

Pipe Link: 06_M_0240_LP			Upstream	Downstream
Scenario:	Alt3	Invert:	5.72 ft	Invert: 5.84 ft
From Node:	06_M_0240_NS	Manning's N:	0.0240	Manning's N: 0.0240
To Node:	06_M_0230_NE	Geometry:	Circular	Geometry: Circular
Link Count:	2	Max Depth:	5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default: 0.00 ft
Length:	28.00 ft	Op Table:		Op Table:
FHWA Code:	4	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 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0240_NS_W1			Bottom Clip
Scenario:	Alt3	Default:	0.00 ft
From Node:	06_M_0240_NS	Op Table:	
To Node:	06_M_0230_NE	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	11.71 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Control Elevation: 11.71 ft

Cross Section: 06_M_0240_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0240_NS_W2

Scenario: Alt3

From Node: 06_M_0240_NS

To Node: 06_M_0210_NE

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.20 ft

Control Elevation: 13.20 ft

Cross Section: 06_M_0240_NS_W2X

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:

Channel Link: 06_M_0250_LC

Upstream

Downstream

Scenario: Alt3

Invert: 4.63 ft

Invert: 5.64 ft

From Node: 06_M_0250_NE

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0240_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0250_XC

Cross Section: 06_M_0250_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 180.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Pipe Link: 06_M_0260_LP

Upstream

Downstream

Scenario: Alt3

Invert: 4.92 ft

Invert: 5.02 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

From Node:	06_M_0260_NS	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_0250_NE	Geometry:	Circular	Geometry:	Circular
Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: 06_M_0260_NS_W1

Scenario:	Alt3	Bottom Clip			
From Node:	06_M_0260_NS	Default:	0.00 ft		
To Node:	06_M_0250_NE	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:	11.71 ft	Discharge Coefficients			
Control Elevation:	11.71 ft	Weir Default:	2.800		
Cross Section:	06_M_0260_NS_W1X	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Weir Link: 06_M_0260_NS_W2

Scenario:	Alt3	Bottom Clip			
From Node:	06_M_0260_NS	Default:	0.00 ft		
To Node:	NML0220	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:	11.72 ft	Discharge Coefficients			
Control Elevation:	11.72 ft	Weir Default:	2.800		
Cross Section:	06_M_0260_NS_W2X	Weir Table:			
		Orifice Default:	0.600		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Table:

Comment:

Weir Link: 06_M_0260_NS_W3

Scenario: Alt3
From Node: 06_M_0260_NS
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.56 ft
Control Elevation: 13.56 ft
Cross Section: 06_M_0260_NS_W3X

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:

Channel Link: 06_M_0270_LC

Scenario: Alt3
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 370.00 ft
Contraction Coef: 0.10
Expansion Coef: 0.30
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 5.38 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_1

Downstream

Invert: 4.92 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: 06_M_0270_XC_2

Comment:

Weir Link: 06_M_0270_NC_W1

Scenario: Alt3
From Node: 06_M_0270_NC
To Node: NML0220
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.34 ft
Control Elevation: 12.34 ft
Cross Section: 06_M_0270_NC_W1X

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: 06_M_0270_NC_W2

Scenario: Alt3
From Node: 06_M_0270_NC
To Node: 06_M_0260_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.42 ft
Control Elevation: 11.42 ft
Cross Section: 06_M_0270_NC_W2X

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: 06_M_0270_NC_W3

Scenario: Alt3
From Node: 06_M_0270_NC
To Node: 06_M_0210_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.27 ft
Control Elevation: 14.27 ft
Cross Section: 06_M_0270_NC_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: 06_M_0270_NC_W4		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0270_NC	Default: 0.00 ft
To Node:	06_M_0205_NE	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:	14.52 ft	Discharge Coefficients
Control Elevation:	14.52 ft	Weir Default: 2.800
Cross Section:	06_M_0270_NC_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Channel Link: 06_M_0280_LC		
	Upstream	Downstream
Scenario:	Alt3	Invert: 5.84 ft
From Node:	06_M_0280_NE	Manning's N: 0.0000
To Node:	06_M_0270_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0280_XC_1
Length:	413.00 ft	Cross Section: 06_M_0280_XC_2
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Pipe Link: 06_M_0290_LP		
	Upstream	Downstream
Scenario:	Alt3	Invert: 5.47 ft
From Node:	06_M_0290_NS	Invert: 5.84 ft
To Node:	06_M_0280_NE	Manning's N: 0.0240
Link Count:	2	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	26.00 ft	Max Depth: 3.00 ft
FHWA Code:	6	Max Depth: 3.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
		Op Table:
		Ref Node:
		Manning's N: 0.0000
		Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

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

Comment:

Weir Link: 06_M_0290_NS_W1

Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0280_NE	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:	13.41 ft	Discharge Coefficients	
Control Elevation:	13.41 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W2

Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	NML0220	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:	12.21 ft	Discharge Coefficients	
Control Elevation:	12.21 ft	Weir Default:	2.800
Cross Section:	06_M_0290_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0290_NS_W3

Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0290_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 15.07 ft
 Control Elevation: 15.07 ft
 Cross Section: 06_M_0290_NS_W3X

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:

Channel Link: 06_M_0300_LC

Upstream

Downstream

Scenario: Alt3
 From Node: 06_M_0300_NC
 To Node: 06_M_0290_NS
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 500.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Invert: 5.74 ft

Invert: 5.47 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: 06_M_0300_XC

Cross Section: 06_M_0300_XC

Comment:

Weir Link: 06_M_0300_NC_W1

Scenario: Alt3

Bottom Clip

From Node: 06_M_0300_NC

Default: 0.00 ft

To Node: NML0220

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: 13.12 ft

Discharge Coefficients

Control Elevation: 13.12 ft

Weir Default: 2.800

Cross Section: 06_M_0300_NC_W1X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Weir Link: 06_M_0300_NC_W2

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0300_NC	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	12.90 ft	Discharge Coefficients
Control Elevation:	12.90 ft	Weir Default: 2.800
Cross Section:	06_M_0300_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0310_LC

	Upstream	Downstream
Scenario:	Alt3	Invert: 5.74 ft
From Node:	06_M_0310_NC	Manning's N: 0.0000
To Node:	06_M_0300_NC	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0310_XC
Length:	418.00 ft	Cross Section: 06_M_0310_XC
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Weir Link: 06_M_0310_NC_W1

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0310_NC	Default: 0.00 ft
To Node:	NML0220	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.83 ft
 Control Elevation: 13.83 ft
 Cross Section: 06_M_0310_NC_W1X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: 06_M_0310_NC_W2

Scenario: Alt3
 From Node: 06_M_0310_NC
 To Node: 06_M_0300_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.13 ft
 Control Elevation: 13.13 ft
 Cross Section: 06_M_0310_NC_W2X

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:

Pipe Link: 06_M_0315_LP

Scenario: Alt3
 From Node: 06_M_0315_NS
 To Node: 06_M_0310_NC
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 55.00 ft
 FHWA Code: 31
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

	Upstream	Downstream
Invert:	9.55 ft	7.76 ft
Manning's N:	0.0120	0.0120
Geometry:	Horizontal Ellipse	Horizontal Ellipse
Max Depth:	2.00 ft	2.00 ft
Bottom Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000
Top Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: 06_M_0315_NS_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	13.09 ft	Discharge Coefficients	
Control Elevation:	13.09 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0315_NS_W2			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0310_NC	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:	15.81 ft	Discharge Coefficients	
Control Elevation:	15.81 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0315_NS_W3			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0315_NS	Default:	0.00 ft
To Node:	06_M_0300_NC	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:	15.38 ft	Discharge Coefficients	
Control Elevation:	15.38 ft	Weir Default:	2.800
Cross Section:	06_M_0315_NS_W3X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0315_NS_W4

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0315_NS	Default: 0.00 ft
To Node:	06_M_0290_NS	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:	15.24 ft	Discharge Coefficients
Control Elevation:	15.24 ft	Weir Default: 2.800
Cross Section:	06_M_0315_NS_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Channel Link: 06_M_0320_LC

	Upstream	Downstream
Scenario:	Alt3	Invert: 5.86 ft
From Node:	06_M_0320_NE	Manning's N: 0.0000
To Node:	06_M_0310_NC	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0320_XC
Flow Direction:	Both	Cross Section: 06_M_0320_XC
Damping:	0.0000 ft	
Length:	166.00 ft	
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	

Comment:

Pipe Link: 06_M_0400_LP

	Upstream	Downstream
Scenario:	Alt3	Invert: 6.00 ft
From Node:	06_M_0400_NS	Manning's N: 0.0240
To Node:	06_M_0320_NE	Geometry: Circular
		Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_0400_NS_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0400_NS	Default:	0.00 ft
To Node:	06_M_0320_NE	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:	13.75 ft	Discharge Coefficients	
Control Elevation:	13.75 ft	Weir Default:	2.800
Cross Section:	06_M_0400_NS_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0400_NS_W2			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0400_NS	Default:	0.00 ft
To Node:	06_M_0315_NS	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:	15.76 ft	Discharge Coefficients	
Control Elevation:	15.76 ft	Weir Default:	2.800
Cross Section:	06_M_0400_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Channel Link: 06_M_0410_LC			Upstream	Downstream
Scenario:	Alt3	Invert:	6.76 ft	Invert: 6.26 ft
From Node:	06_M_0410_NC	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	06_M_0400_NS	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	06_M_0410_XC	Cross Section: 06_M_0410_XC
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	400.00 ft			
Contraction Coef:	0.10			
Expansion Coef:	0.30			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 ft			
Energy Switch:	Energy			

Comment:

Weir Link: 06_M_0410_NC_W1			Bottom Clip
Scenario:	Alt3	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0220	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.98 ft	Weir Default:	2.800
Control Elevation:	13.98 ft	Weir Table:	
Cross Section:	06_M_0410_NC_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: 06_M_0410_NC_W2			Bottom Clip
Scenario:	Alt3	Default:	0.00 ft
From Node:	06_M_0410_NC	Op Table:	
To Node:	NML0520	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	13.33 ft	Weir Default:	2.800
Control Elevation:	13.33 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Cross Section: 06_M_0410_NC_W2X

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0410_NC_W3

Scenario: Alt3
From Node: 06_M_0410_NC
To Node: 06_M_0310_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.91 ft
Control Elevation: 13.91 ft
Cross Section: 06_M_0410_NC_W3X

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: 06_M_0410_NC_W4

Scenario: Alt3
From Node: 06_M_0410_NC
To Node: 06_M_0400_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.42 ft
Control Elevation: 13.42 ft
Cross Section: 06_M_0410_NC_W4X

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:

Channel Link: 06_M_0420_LC

Scenario: Alt3
From Node: 06_M_0420_NC
To Node: 06_M_0410_NC

Upstream
Invert: 7.26 ft
Manning's N: 0.0000
Geometry: Irregular

Downstream
Invert: 6.76 ft
Manning's N: 0.0000
Geometry: Irregular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Link Count: 1 Cross Section: 06_M_0420_XC Cross Section: 06_M_0420_XC
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 427.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0420_NC_W1		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_0420_NC	Default: 0.00 ft	
To Node: 06_M_0410_NC	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: 13.90 ft	Discharge Coefficients	
Control Elevation: 13.90 ft	Weir Default: 2.800	
Cross Section: 06_M_0420_NC_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Pipe Link: 06_M_0425_LP	Upstream	Downstream
Scenario: Alt3	Invert: 11.00 ft	Invert: 9.06 ft
From Node: 06_M_0425_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0420_NC	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 52.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Weir Link: 06_M_0425_NS_W1

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0315_NS	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:	12.04 ft	Discharge Coefficients
Control Elevation:	12.04 ft	Weir Default: 2.800
Cross Section:	06_M_0425_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W2

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0420_NC	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:	15.12 ft	Discharge Coefficients
Control Elevation:	15.12 ft	Weir Default: 2.800
Cross Section:	06_M_0425_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0425_NS_W3

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0425_NS	Default: 0.00 ft
To Node:	06_M_0410_NC	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Geometry Type: Irregular
 Invert: 15.56 ft
 Control Elevation: 15.56 ft
 Cross Section: 06_M_0425_NS_W3X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: 06_M_0430_LC		Upstream	Downstream
Scenario:	Alt3	Invert: 6.84 ft	Invert: 7.26 ft
From Node:	06_M_0430_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0420_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0430_XC	Cross Section: 06_M_0430_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	465.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0430_NE_W1		Bottom Clip
Scenario:	Alt3	Default: 0.00 ft
From Node:	06_M_0430_NE	Op Table:
To Node:	NML0050	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Irregular	Discharge Coefficients
Invert:	11.83 ft	Weir Default: 2.800
Control Elevation:	11.83 ft	Weir Table:
Cross Section:	06_M_0430_NE_W1X	Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Pipe Link: 06_M_0500_LP1		Upstream	Downstream
Scenario:	Alt3	Invert: 7.27 ft	Invert: 6.84 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: 06_M_0500_LP2		Upstream	Downstream
Scenario:	Alt3	Invert: 7.18 ft	Invert: 6.91 ft
From Node:	06_M_0500_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	06_M_0430_NE	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0500_NS_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0500_NS	Default:	0.00 ft
To Node:	06_M_0430_NE	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:	12.60 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Control Elevation: 12.60 ft

Cross Section: 06_M_0500_NS_W1X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0500_NS_W2

Scenario: Alt3

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 11.60 ft

Control Elevation: 11.60 ft

Cross Section: 06_M_0500_NS_W2X

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: 06_M_0500_NS_W3

Scenario: Alt3

From Node: 06_M_0500_NS

To Node: NML0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 11.68 ft

Control Elevation: 11.68 ft

Cross Section: 06_M_0500_NS_W3X

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:

Channel Link: 06_M_0510_LC

Upstream

Downstream

Scenario: Alt3

Invert: 8.13 ft

Invert: 7.18 ft

From Node: 06_M_0510_NC

Manning's N: 0.0000

Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

To Node:	06_M_0500_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0510_XC	Cross Section: 06_M_0510_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	565.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		

Comment:

Weir Link: 06_M_0510_NC_W1

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	NML0110	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:	13.79 ft	Discharge Coefficients
Control Elevation:	13.79 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0510_NC_W2

Scenario:	Alt3	Bottom Clip
From Node:	06_M_0510_NC	Default: 0.00 ft
To Node:	06_M_0500_NS	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:	12.60 ft	Discharge Coefficients
Control Elevation:	12.60 ft	Weir Default: 2.800
Cross Section:	06_M_0510_NC_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Channel Link: 06_M_0520_LC		
	Upstream	Downstream
Scenario: Alt3	Invert: 8.57 ft	Invert: 8.13 ft
From Node: 06_M_0520_NC	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0510_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0520_XC	Cross Section: 06_M_0520_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 395.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0520_NC_W1		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: NML0110	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: 14.42 ft	Discharge Coefficients	
Control Elevation: 14.42 ft	Weir Default: 2.800	
Cross Section: 06_M_0520_NC_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: 06_M_0520_NC_W2		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_0520_NC	Default: 0.00 ft	
To Node: 06_M_0510_NC	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 14.06 ft
 Control Elevation: 14.06 ft
 Cross Section: 06_M_0520_NC_W2X

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: 06_M_0525_LP	Upstream	Downstream
Scenario: Alt3	Invert: 10.53 ft	Invert: 9.50 ft
From Node: 06_M_0525_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0520_NC	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 51.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0525_NS_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0525_NS	Default: 0.00 ft
To Node:	06_M_0425_NS	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:	13.49 ft	Discharge Coefficients
Control Elevation:	13.49 ft	Weir Default: 2.800
Cross Section:	06_M_0525_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: 06_M_0525_NS_W2			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0205_NE	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:	14.00 ft	Discharge Coefficients	
Control Elevation:	14.00 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W2X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W3			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0520_NC	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:	14.99 ft	Discharge Coefficients	
Control Elevation:	14.99 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W3X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_0525_NS_W4			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_0525_NS	Default:	0.00 ft
To Node:	06_M_0500_NS	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:	15.34 ft	Discharge Coefficients	
Control Elevation:	15.34 ft	Weir Default:	2.800
Cross Section:	06_M_0525_NS_W4X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_0525_NS_W5

Scenario: Alt3
From Node: 06_M_0525_NS
To Node: 06_M_0510_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.19 ft
Control Elevation: 15.19 ft
Cross Section: 06_M_0525_NS_W5X

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: 06_M_0525_NS_W6

Scenario: Alt3
From Node: 06_M_0525_NS
To Node: 06_M_0420_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.58 ft
Control Elevation: 15.58 ft
Cross Section: 06_M_0525_NS_W6X

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: 06_M_0525_NS_W7

Scenario: Alt3
From Node: 06_M_0525_NS
To Node: 06_M_0315_NS
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.24 ft
Control Elevation: 15.24 ft
Cross Section: 06_M_0525_NS_W7X

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:

Channel Link: 06_M_0530_LC		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.04 ft	Invert: 8.57 ft
From Node: 06_M_0530_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0520_NC	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0530_XC	Cross Section: 06_M_0530_XC
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 418.00 ft		
Contraction Coef: 0.10		
Expansion Coef: 0.30		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 ft		
Energy Switch: Energy		

Comment:

Weir Link: 06_M_0530_NE_W1	
Scenario: Alt3	Bottom Clip
From Node: 06_M_0530_NE	Default: 0.00 ft
To Node: NML0500	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: 13.90 ft	Discharge Coefficients
Control Elevation: 13.90 ft	Weir Default: 2.800
Cross Section: 06_M_0530_NE_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: 06_M_0530_NE_W2		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0530_NE	Default: 0.00 ft
To Node:	06_M_0520_NC	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:	11.74 ft	Discharge Coefficients
Control Elevation:	11.74 ft	Weir Default: 2.800
Cross Section:	06_M_0530_NE_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_0600_LO		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0600_NS	Default: 0.00 ft
To Node:	06_M_0530_NE	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	15.06 ft	Discharge Coefficients
Control Elevation:	15.06 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	55.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Pipe Link: 06_M_0600_LP		
Scenario:	Alt3	Invert: 8.94 ft
From Node:	06_M_0600_NS	Manning's N: 0.0240
To Node:	06_M_0530_NE	Manning's N: 0.0240
Link Count:	2	Geometry: Arch
Flow Direction:	Both	Max Depth: 3.67 ft
Damping:	0.0000 ft	Bottom Clip
Length:	40.00 ft	Default: 0.00 ft
FHWA Code:	45	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
		Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: 06_M_0610_LC

Upstream

Downstream

Scenario: Alt3

Invert: 9.66 ft

Invert: 8.94 ft

From Node: 06_M_0610_NC

Manning's N: 0.0000

Manning's N: 0.0000

To Node: 06_M_0600_NS

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: 06_M_0610_XC

Cross Section: 06_M_0610_XC

Flow Direction: Both

Damping: 0.0000 ft

Length: 405.00 ft

Contraction Coef: 0.10

Expansion Coef: 0.30

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 ft

Energy Switch: Energy

Comment:

Weir Link: 06_M_0620_LW

Scenario: Alt3

Bottom Clip

From Node: 06_M_0620_ND

Default: 0.00 ft

To Node: 06_M_0610_NC

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: 9.99 ft

Discharge Coefficients

Control Elevation: 9.99 ft

Weir Default: 2.800

Cross Section: 06_M_0620_XW

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_0620_LW2

Scenario: Alt3

Bottom Clip

From Node: 06_M_0620_ND

Default: 0.00 ft

To Node: 06_M_3000_NC

Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	14.70 ft	Ref Node:
Control Elevation:	14.70 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.800
Max Width:	95.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: 06_M_0630_LO		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0630_NS	Default: 0.00 ft
To Node:	06_M_0620_ND	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:	Rectangular	Ref Node:
Invert:	14.76 ft	Discharge Coefficients
Control Elevation:	14.76 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	45.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0630_LP_1		
	Upstream	Downstream
Scenario:	Alt3	Invert: 9.37 ft
From Node:	06_M_0630_NS	Invert: 9.29 ft
To Node:	06_M_0620_ND	Manning's N: 0.0240
Link Count:	1	Manning's N: 0.0240
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	20.50 ft	Max Depth: 5.00 ft
FHWA Code:	6	Max Depth: 5.00 ft
Entr Loss Coef:	0.90	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 ft	Ref Node:
Energy Switch:	Energy	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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Pipe Link: 06_M_0630_LP_2		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.87 ft	Invert: 9.78 ft
From Node: 06_M_0630_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0620_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.40 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0630_NS_W1		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_0630_NS	Default: 0.00 ft	
To Node: 06_M_0600_NS	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: Rectangular	Ref Node:	
Invert: 15.20 ft	Discharge Coefficients	
Control Elevation: 15.20 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 90.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Channel Link: 06_M_0640_LC		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.79 ft	Invert: 9.37 ft
From Node: 06_M_0640_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node: 06_M_0630_NS	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: 06_M_0640_XC_1	Cross Section: 06_M_0640_XC_2
Flow Direction: Both		
Damping: 0.0000 ft		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Length: 235.00 ft
 Contraction Coef: 0.10
 Expansion Coef: 0.30
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Comment:

Weir Link: 06_M_0650_LO

Scenario: Alt3	Bottom Clip
From Node: 06_M_0650_NS	Default: 0.00 ft
To Node: 06_M_0640_NE	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: Rectangular	Ref Node:
Invert: 12.96 ft	Discharge Coefficients
Control Elevation: 12.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 35.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0650_LP

	Upstream	Downstream
Scenario: Alt3	Invert: 10.06 ft	Invert: 9.84 ft
From Node: 06_M_0650_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0640_NE	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 14.00 ft	Op Table:	Op Table:
FHWA Code: 32	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: 06_M_0650_NS_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0650_NS	Default: 0.00 ft
To Node:	06_M_0600_NS	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:	Rectangular	Ref Node:
Invert:	15.40 ft	Discharge Coefficients
Control Elevation:	15.40 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	120.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Channel Link: 06_M_0660_LC		
Scenario:	Alt3	Invert: 9.27 ft
From Node:	06_M_0660_NE	Manning's N: 0.0000
To Node:	06_M_0650_NS	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: 06_M_0660_XC_1
Length:	420.00 ft	Cross Section: 06_M_0660_XC_2
Contraction Coef:	0.10	
Expansion Coef:	0.30	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 ft	
Energy Switch:	Energy	
Comment:		

Weir Link: 06_M_0670_LO		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0670_NS	Default: 0.00 ft
To Node:	06_M_0660_NE	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:	Rectangular	Ref Node:
Invert:	13.46 ft	Discharge Coefficients
Control Elevation:	13.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Max Depth: 9999.00 ft

Max Width: 45.00 ft

Fillet: 0.00 ft

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_0670_LP	Upstream	Downstream
Scenario: Alt3	Invert: 9.03 ft	Invert: 9.27 ft
From Node: 06_M_0670_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_0660_NE	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0670_NS_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_0670_NS	Default: 0.00 ft
To Node:	06_M_0600_NS	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:	Rectangular	Ref Node:
Invert:	14.60 ft	Discharge Coefficients
Control Elevation:	14.60 ft	Weir Default: 2.800
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: 06_M_0680_LC	Upstream	Downstream
Scenario: Alt3	Invert: 10.52 ft	Invert: 8.97 ft
From Node: 06_M_0680_NC	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

To Node:	06_M_0670_NS	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0680_XC	Cross Section: 06_M_0680_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Channel Link: 06_M_0690_LC		Upstream	Downstream
Scenario:	Alt3	Invert: 12.07 ft	Invert: 10.52 ft
From Node:	06_M_0690_NE	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	06_M_0680_NC	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: 06_M_0690_XC	Cross Section: 06_M_0690_XC
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	370.00 ft		
Contraction Coef:	0.10		
Expansion Coef:	0.30		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 ft		
Energy Switch:	Energy		
Comment:			

Channel Link: 06_M_0700_LC		Upstream	Downstream
Scenario:	Alt3	Invert: 15.27 ft	Invert: 12.07 ft
From Node:	06_M_0700_NE	Manning's N: 0.0400	Manning's N: 0.0400
To Node:	06_M_0690_NE	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft
Flow Direction:	Both	Extrapolation: Vertical	Extrapolation: Vertical
Damping:	0.0000 ft	Bottom Width: 2.00 ft	Bottom Width: 2.00 ft
Length:	275.00 ft	Left Slope: 6.000 (h:v)	Left Slope: 6.000 (h:v)
Contraction Coef:	0.10	Right Slope: 6.000 (h:v)	Right Slope: 6.000 (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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Bend Location: 0.00 ft 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:

Weir Link: 06_M_0710_LO

Scenario: Alt3	Bottom Clip
From Node: 06_M_0710_NS	Default: 0.00 ft
To Node: 06_M_0700_NE	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Paved Road Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 16.96 ft	Discharge Coefficients
Control Elevation: 16.96 ft	Weir Default: 2.800
Max Depth: 9999.00 ft	Weir Table:
Max Width: 50.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: 06_M_0710_LP

	Upstream	Downstream
Scenario: Alt3	Invert: 14.99 ft	Invert: 15.27 ft
From Node: 06_M_0710_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_0700_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 79.50 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_0710_NS_W1

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Scenario: Alt3
From Node: 06_M_0710_NS
To Node: 06_M_1100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 14.30 ft
Control Elevation: 14.30 ft
Max Depth: 9999.00 ft
Max Width: 300.00 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:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: 06_M_1000_LO

Scenario: Alt3
From Node: 06_M_1000_NS
To Node: 06_M_0600_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Rectangular
Invert: 14.06 ft
Control Elevation: 14.06 ft
Max Depth: 9999.00 ft
Max Width: 65.00 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:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: 06_M_1000_LP

Scenario: Alt3
From Node: 06_M_1000_NS
To Node: 06_M_0600_NS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 75.50 ft
FHWA Code: 4
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00

Upstream	Downstream
Invert: 10.37 ft	Invert: 9.77 ft
Manning's N: 0.0240	Manning's N: 0.0240
Geometry: Circular	
Max Depth: 2.00 ft	Max Depth: 2.00 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

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_1000_NS_W2

Scenario: Alt3

Bottom Clip

From Node: 06_M_1000_NS

Default: 0.00 ft

To Node: 06_M_0525_NS

Op Table:

Link Count: 1

Ref Node:

Flow Direction: Both

Top Clip

Damping: 0.0000 ft

Default: 0.00 ft

Weir Type: Paved Road Vertical

Op Table:

Geometry Type: Irregular

Ref Node:

Invert: 14.80 ft

Discharge Coefficients

Control Elevation: 14.80 ft

Weir Default: 2.800

Cross Section: 06_M_1000_NS_W2X

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: 06_M_1100_LO

Scenario: Alt3

Bottom Clip

From Node: 06_M_1100_ND

Default: 0.00 ft

To Node: 06_M_1000_NS

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: Rectangular

Ref Node:

Invert: 12.96 ft

Discharge Coefficients

Control Elevation: 12.96 ft

Weir Default: 2.800

Max Depth: 9999.00 ft

Weir Table:

Max Width: 430.00 ft

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: 06_M_2000_LP

Upstream

Downstream

Scenario: Alt3

Invert: 12.41 ft

Invert: 12.18 ft

From Node: 06_M_2000_NS

Manning's N: 0.0120

Manning's N: 0.0120

To Node: 06_M_0690_NE

Geometry: Rectangular

Geometry: Rectangular

Link Count: 2

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	72.50 ft	Bottom Clip			
FHWA Code:	15	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	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:

Weir Link: 06_M_2100_LO

Scenario:	Alt3	Bottom Clip			
From Node:	06_M_2100_ND	Default:			
To Node:	06_M_2000_NS	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000	Default:			
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	12.46 ft	Discharge Coefficients			
Control Elevation:	12.46 ft	Weir Default:			
Cross Section:	06_M_2100_XW	Weir Table:			
		Orifice Default:			
		Orifice Table:			

Comment:

Pipe Link: 06_M_2200_LP

		Upstream		Downstream	
Scenario:	Alt3	Invert:	14.06 ft	Invert:	13.06 ft
From Node:	06_M_2200_NP	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	06_M_2100_ND	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	5	Ref Node:		Ref Node:	
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: 06_M_2200_LW

Scenario: Alt3
From Node: 06_M_2200_NP
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 15.61 ft
Control Elevation: 15.61 ft
Cross Section: 06_M_2200_XW

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: 06_M_2300_LO

Scenario: Alt3
From Node: 06_M_2300_ND
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Gravel Road Vertical
Geometry Type: Rectangular
Invert: 16.96 ft
Control Elevation: 16.96 ft
Max Depth: 9999.00 ft
Max Width: 100.00 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: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: 06_M_2300_LP

Scenario: Alt3
From Node: 06_M_2300_ND
To Node: 06_M_2100_ND
Link Count: 3
Flow Direction: Both
Damping: 0.0000 ft

Upstream

Invert: 14.94 ft
Manning's N: 0.0240
Geometry: Circular
Max Depth: 2.00 ft

Downstream

Invert: 14.98 ft
Manning's N: 0.0240
Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	5	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: 06_M_2400_LP	Upstream	Downstream
Scenario: Alt3	Invert: 13.96 ft	Invert: 13.96 ft
From Node: 06_M_2400_NP	Manning's N: 0.0240	Manning's N: 0.0240
To Node: 06_M_2100_ND	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 75.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2400_LW		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_2400_NP	Default: 0.00 ft
To Node:	06_M_2300_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800
Cross Section:	06_M_2400_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: 06_M_2500_LO		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_2500_ND	Default: 0.00 ft
To Node:	06_M_2100_ND	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	15.96 ft	Discharge Coefficients
Control Elevation:	15.96 ft	Weir Default: 2.800
Cross Section:	06_M_2500_XW	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: 06_M_2600_LP		
	Upstream	Downstream
Scenario:	Alt3	Invert: 15.96 ft
From Node:	06_M_2600_NP	Manning's N: 0.0120
To Node:	06_M_2500_ND	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 0.83 ft
Damping:	0.0000 ft	Bottom Clip
Length:	95.00 ft	Default: 0.00 ft
FHWA Code:	48	Op Table:
Entr Loss Coef:	0.50	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: 06_M_2600_LW		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_2600_NP	Default: 0.00 ft
To Node:	06_M_2500_ND	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:	18.46 ft	Discharge Coefficients
Control Elevation:	18.46 ft	Weir Default: 2.800

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Cross Section: 06_M_2600_XW

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_2700_LO

Scenario: Alt3
From Node: 06_M_2700_ND
To Node: 06_M_2100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.96 ft
Control Elevation: 16.96 ft
Max Depth: 9999.00 ft
Max Width: 1000.00 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: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: 06_M_2800_LP

Scenario: Alt3
From Node: 06_M_2800_NP
To Node: 06_M_2700_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 210.00 ft
FHWA Code: 48
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

	Upstream	Downstream
Invert:	16.96 ft	16.96 ft
Manning's N:	0.0120	0.0120
Geometry:	Circular	Circular
Max Depth:	0.83 ft	0.83 ft
Bottom Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000
Top Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Weir Link: 06_M_2800_LW

Scenario: Alt3
From Node: 06_M_2800_NP

Bottom Clip
Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

To Node: 06_M_2700_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.86 ft
Control Elevation: 18.86 ft
Cross Section: 06_M_2800_XW

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:

Channel Link: 06_M_3000_LC		Upstream	Downstream
Scenario: Alt3	Invert: 11.72 ft	Invert: 8.94 ft	
From Node: 06_M_3000_NC	Manning's N: 0.0350	Manning's N: 0.0350	
To Node: 06_M_0600_NS	Geometry: Trapezoidal	Geometry: Trapezoidal	
Link Count: 1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft	
Flow Direction: Both	Extrapolation: Vertical	Extrapolation: Vertical	
Damping: 0.0000 ft	Bottom Width: 3.00 ft	Bottom Width: 3.00 ft	
Length: 1200.00 ft	Left Slope: 2.000 (h:v)	Left Slope: 2.000 (h:v)	
Contraction Coef: 0.10	Right Slope: 2.000 (h:v)	Right Slope: 2.000 (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 ft	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:

Weir Link: 06_M_3000_NC_W1		Bottom Clip
Scenario: Alt3	Default: 0.00 ft	
From Node: 06_M_3000_NC	Op Table:	
To Node: 06_M_0600_NS	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Invert: 13.50 ft
Control Elevation: 13.50 ft
Max Depth: 9999.00 ft
Max Width: 120.00 ft
Fillet: 0.00 ft

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_3100_LO_1

Scenario: Alt3
From Node: 06_M_3100_ND
To Node: 06_M_3000_NC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.96 ft
Control Elevation: 14.96 ft
Cross Section: 06_M_3100_XW

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: 06_M_3100_LO_2

Scenario: Alt3
From Node: 06_M_3100_ND
To Node: 06_M_0690_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 15.96 ft
Control Elevation: 15.96 ft
Max Depth: 9999.00 ft
Extrapolation Method: Normal Projection
Bottom Width: 5.00 ft
Left Slope: 2.000 (h:v)
Right Slope: 2.000 (h:v)

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: 06_M_3100_ND_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_3100_ND	Default:	0.00 ft
To Node:	06_M_0650_NS	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:	Rectangular	Ref Node:	
Invert:	15.80 ft	Discharge Coefficients	
Control Elevation:	15.80 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	350.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_3200_LO_1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_3200_ND	Default:	0.00 ft
To Node:	06_M_3100_ND	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:	15.96 ft	Discharge Coefficients	
Control Elevation:	15.96 ft	Weir Default:	2.800
Cross Section:	06_M_3200_XW	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment:			

Weir Link: 06_M_3200_LO_2			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_3200_ND	Default:	0.00 ft
To Node:	06_M_3250_NS	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:	Rectangular	Ref Node:	
Invert:	17.96 ft	Discharge Coefficients	
Control Elevation:	17.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Max Width: 160.00 ft

Fillet: 0.00 ft

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_3250_LP		
	Upstream	Downstream
Scenario: Alt3	Invert: 15.96 ft	Invert: 15.96 ft
From Node: 06_M_3250_NS	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0120	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 5	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_3250_NS_W1		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_3250_NS	Default: 0.00 ft	
To Node: 06_M_3100_ND	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: Rectangular	Ref Node:	
Invert: 19.00 ft	Discharge Coefficients	
Control Elevation: 19.00 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_3300_LO		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_3300_ND	Default: 0.00 ft	
To Node: 06_M_3200_ND	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 17.46 ft
Control Elevation: 17.46 ft
Max Depth: 9999.00 ft
Max Width: 550.00 ft
Fillet: 0.00 ft

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: 06_M_3400_LO_1

Scenario: Alt3
From Node: 06_M_3400_ND
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.96 ft
Control Elevation: 18.96 ft
Cross Section: 06_M_3400_XW_1

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: 06_M_3400_LO_2

Scenario: Alt3
From Node: 06_M_3400_ND
To Node: 06_M_4100_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.96 ft
Control Elevation: 19.96 ft
Cross Section: 06_M_3400_XW_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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: 06_M_3500_LO			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_3500_ND	Default:	0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:	
Invert:	21.96 ft	Discharge Coefficients	
Control Elevation:	21.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_3600_LO			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_3600_ND	Default:	0.00 ft
To Node:	06_M_3400_ND	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:	Rectangular	Ref Node:	
Invert:	22.96 ft	Discharge Coefficients	
Control Elevation:	22.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	366.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: 06_M_4100_ND_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_4100_ND	Default:	0.00 ft
To Node:	NML0150	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:	20.42 ft	Discharge Coefficients	
Control Elevation:	20.42 ft	Weir Default:	2.800
Cross Section:	06_M_4100_ND_W1X	Weir Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: 06_M_4100_ND_W2

Scenario: Alt3
From Node: 06_M_4100_ND
To Node: NML0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 25.28 ft
Control Elevation: 25.28 ft
Cross Section: 06_M_4100_ND_W2X

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: 06_M_4100_ND_W3

Scenario: Alt3
From Node: 06_M_4100_ND
To Node: NML0420
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 31.08 ft
Control Elevation: 31.08 ft
Cross Section: 06_M_4100_ND_W3X

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: 06_M_4100_ND_W4

Scenario: Alt3
From Node: 06_M_4100_ND
To Node: NML0530
Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.07 ft
Control Elevation: 23.07 ft
Cross Section: 06_M_4100_ND_W4X

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: 06_M_4200_LO

Scenario: Alt3
From Node: 06_M_4200_NS
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: 06_M_4200_XW

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:

Pipe Link: 06_M_4200_LP

Scenario: Alt3
From Node: 06_M_4200_NS
To Node: 06_M_3300_ND
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 50.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream	Downstream
Invert: 15.96 ft	Invert: 15.96 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 2.00 ft	Max Depth: 2.00 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: 06_M_4200_NS_W1		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	06_M_4100_ND	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:	20.30 ft	Discharge Coefficients
Control Elevation:	20.30 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_4200_NS_W2		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	NML0530	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:	21.50 ft	Discharge Coefficients
Control Elevation:	21.50 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: 06_M_4200_NS_W3		
Scenario:	Alt3	Bottom Clip
From Node:	06_M_4200_NS	Default: 0.00 ft
To Node:	NML0120	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:	21.65 ft	Discharge Coefficients
Control Elevation:	21.65 ft	Weir Default: 2.800
Cross Section:	06_M_4200_NS_W3X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: 06_M_5000_LP	Upstream	Downstream
Scenario: Alt3	Invert: 20.36 ft	Invert: 20.16 ft
From Node: 06_M_5000_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3500_ND	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 50.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5100_LO			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_5100_ND	Default:	0.00 ft
To Node:	06_M_5000_NS	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:	Rectangular	Ref Node:	
Invert:	23.96 ft	Discharge Coefficients	
Control Elevation:	23.96 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	190.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: 06_M_5200_LP	Upstream	Downstream
Scenario: Alt3	Invert: 20.06 ft	Invert: 19.96 ft
From Node: 06_M_5200_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: 06_M_5200_NS_W1			
Scenario:	Alt3	Bottom Clip	
From Node:	06_M_5200_NS	Default:	0.00 ft
To Node:	06_M_5500_ND	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:	Rectangular	Ref Node:	
Invert:	22.10 ft	Discharge Coefficients	
Control Elevation:	22.10 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	260.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: 06_M_5300_LP					
		Upstream		Downstream	
Scenario:	Alt3	Invert:	31.56 ft	Invert:	25.06 ft
From Node:	06_M_5300_NS	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	06_M_3600_ND	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 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:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Pipe Link: 06_M_5400_LP		
	Upstream	Downstream
Scenario: Alt3	Invert: 20.46 ft	Invert: 19.96 ft
From Node: 06_M_5400_NS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: 06_M_3600_ND	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 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: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: 06_M_5500_LO		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_5500_ND	Default: 0.00 ft	
To Node: 06_M_5400_NS	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: Rectangular	Ref Node:	
Invert: 20.96 ft	Discharge Coefficients	
Control Elevation: 20.96 ft	Weir Default: 2.800	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 260.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: 06_M_5600_LO		
Scenario: Alt3	Bottom Clip	
From Node: 06_M_5600_ND	Default: 0.00 ft	
To Node: 06_M_5500_ND	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Type: Paved Road Vertical
 Geometry Type: Rectangular
 Invert: 26.96 ft
 Control Elevation: 26.96 ft
 Max Depth: 9999.00 ft
 Max Width: 366.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: NML0000_LP1	Upstream	Downstream
Scenario: Alt3	Invert: -0.30 ft	Invert: -0.30 ft
From Node: NML0000	Manning's N: 0.0120	Manning's N: 0.0120
To Node: MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count: 2	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: 60.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0000_W1		
Scenario:	Alt3	Bottom Clip
From Node:	NML0000	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	5.25 ft	Discharge Coefficients
Control Elevation:	5.25 ft	Weir Default: 2.800
Cross Section:	NML0000_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Pipe Link: NML0050_LP1		Upstream	Downstream
Scenario:	Alt3	Invert: 9.16 ft	Invert: 8.88 ft
From Node:	NML0050	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0510	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	20.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: NML0050_LP2		Upstream	Downstream
Scenario:	Alt3	Invert: 8.70 ft	Invert: 8.70 ft
From Node:	NML0050	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NML0110	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 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:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: NML0050_W2			
Scenario:	Alt3	Bottom Clip	
From Node:	NML0050	Default:	0.00 ft
To Node:	NML0510	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:	11.49 ft	Discharge Coefficients	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Control Elevation: 11.49 ft

Cross Section: NML0050_W2X

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: NML0050_W3

Scenario: Alt3

From Node: NML0050

To Node: 06_M_0410_NC

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.89 ft

Control Elevation: 13.89 ft

Cross Section: NML0050_W3X

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: NML0050_W4

Scenario: Alt3

From Node: NML0050

To Node: NML0520

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 13.83 ft

Control Elevation: 13.83 ft

Cross Section: NML0050_W4X

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:

Pipe Link: NML0100_LP1

Scenario: Alt3

From Node: NML0100

Upstream

Invert: 3.50 ft

Manning's N: 0.0130

Downstream

Invert: 3.40 ft

Manning's N: 0.0130

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

To Node:	NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	48.00 ft	Op Table:	Op Table:
FHWA Code:	30	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: NML0100_LP2	Upstream	Downstream
Scenario: Alt3	Invert: 3.50 ft	Invert: 3.40 ft
From Node: NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 48.00 ft	Op Table:	Op Table:
FHWA Code: 30	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: NML0100_LP3	Upstream	Downstream
Scenario: Alt3	Invert: 5.30 ft	Invert: 5.20 ft
From Node: NML0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 30.00 ft	Op Table:	Op Table:
FHWA Code: 30	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 ft	Op Table:	Op Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000

Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: NML0100_W1

Scenario: Alt3
From Node: NML0100
To Node: NML0000
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 8.30 ft
Control Elevation: 8.30 ft
Cross Section: NML0100_W1X

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:

Pipe Link: NML0110_LP1

Scenario: Alt3
From Node: NML0110
To Node: NML0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 22.00 ft
FHWA Code: 30
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream

Invert: 8.00 ft
Manning's N: 0.0120
Geometry: Horizontal Ellipse
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

Invert: 7.90 ft
Manning's N: 0.0120
Geometry: Horizontal Ellipse
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

Comment:

Weir Link: NML0110_W1

Scenario: Alt3
From Node: NML0110
To Node: NML0530
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.13 ft
Control Elevation: 12.13 ft
Cross Section: NML0110_W1X

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: NML0110_W2

Scenario: Alt3
From Node: NML0110
To Node: NML0500
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 14.12 ft
Control Elevation: 14.12 ft
Cross Section: NML0110_W2X

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: NML0110_W3

Scenario: Alt3
From Node: NML0110
To Node: NML0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 12.10 ft
Control Elevation: 12.10 ft
Cross Section: NML0110_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: NML0110_W4	
Scenario: Alt3	Bottom Clip
From Node: NML0110	Default: 0.00 ft
To Node: NML0050	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: 12.10 ft	Discharge Coefficients
Control Elevation: 12.10 ft	Weir Default: 2.800
Cross Section: NML0110_W4X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0120_W1	
Scenario: Alt3	Bottom Clip
From Node: NML0120	Default: 0.00 ft
To Node: NML0530	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: 15.69 ft	Discharge Coefficients
Control Elevation: 15.69 ft	Weir Default: 2.800
Cross Section: NML0120_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0120_W2	
Scenario: Alt3	Bottom Clip
From Node: NML0120	Default: 0.00 ft
To Node: NML0500	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: 19.44 ft	Discharge Coefficients
Control Elevation: 19.44 ft	Weir Default: 2.800
Cross Section: NML0120_W2X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0150_W1

Scenario:	Alt3	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0300	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:	20.87 ft	Discharge Coefficients
Control Elevation:	20.87 ft	Weir Default: 2.800
Cross Section:	NML0150_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0150_W2

Scenario:	Alt3	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0100	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:	20.51 ft	Discharge Coefficients
Control Elevation:	20.51 ft	Weir Default: 2.800
Cross Section:	NML0150_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0150_W3

Scenario:	Alt3	Bottom Clip
From Node:	NML0150	Default: 0.00 ft
To Node:	NML0410	Op Table:
Link Count:	1	Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 26.31 ft
Control Elevation: 26.31 ft
Cross Section: NML0150_W3X

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: NML0150_W4

Scenario: Alt3
From Node: NML0150
To Node: NML0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.14 ft
Control Elevation: 23.14 ft
Cross Section: NML0150_W4X

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:

Pipe Link: NML0200_LP1

Scenario: Alt3
From Node: NML0200
To Node: NML0000
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 50.00 ft
FHWA Code: 3
Entr Loss Coef: 0.90
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream	Downstream
Invert: 3.10 ft	Invert: 1.40 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 2.50 ft	Max Depth: 2.50 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: NML0200_W1		
Scenario:	Alt3	Bottom Clip
From Node:	NML0200	Default: 0.00 ft
To Node:	NML0000	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:	5.55 ft	Discharge Coefficients
Control Elevation:	5.55 ft	Weir Default: 2.800
Cross Section:	NML0200_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: NML0200_W2		
Scenario:	Alt3	Bottom Clip
From Node:	NML0200	Default: 0.00 ft
To Node:	MULLET_LAKE	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:	7.45 ft	Discharge Coefficients
Control Elevation:	7.45 ft	Weir Default: 2.800
Cross Section:	NML0200_W2X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0210_LP1		
	Upstream	Downstream
Scenario:	Alt3	Invert: 2.80 ft
From Node:	NML0210	Manning's N: 0.0220
To Node:	NML0200	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:
FHWA Code:	6	Ref Node:
Entr Loss Coef:	0.90	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip
Bend Loss Coef:	0.00	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Bend Location: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: NML0210_LP2		
	Upstream	Downstream
Scenario: Alt3	Invert: 5.60 ft	Invert: 5.60 ft
From Node: NML0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: MULLET_LAKE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 1.50 ft	Default: 1.50 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0210_W1		
Scenario: Alt3	Bottom Clip	
From Node: NML0210	Default: 0.00 ft	
To Node: NML0200	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: 7.67 ft	Discharge Coefficients	
Control Elevation: 7.67 ft	Weir Default: 2.800	
Cross Section: NML0210_W1X	Weir Table:	
	Orifice Default: 0.600	
	Orifice Table:	

Comment:

Weir Link: NML0210_W2		
Scenario: Alt3	Bottom Clip	
From Node: NML0210	Default: 0.00 ft	
To Node: MULLET_LAKE	Op Table:	

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Link Count:	1	
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Broad Crested Vertical	Default: 0.00 ft
Geometry Type:	Irregular	Op Table:
Invert:	8.37 ft	Ref Node:
Control Elevation:	8.37 ft	Discharge Coefficients
Cross Section:	NML0210_W2X	Weir Default: 2.800
		Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Pipe Link: NML0220_LP1	Upstream	Downstream
Scenario: Alt3	Invert: 8.80 ft	Invert: 6.60 ft
From Node: NML0220	Manning's N: 0.0240	Manning's N: 0.0220
To Node: NML0210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0220_W1	
Scenario: Alt3	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: 06_M_0240_NS	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: 11.70 ft	Discharge Coefficients
Control Elevation: 11.70 ft	Weir Default: 2.800
Cross Section: NML0220_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Weir Link: NML0220_W2	
Scenario: Alt3	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: NML0210	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: 10.31 ft	Discharge Coefficients
Control Elevation: 10.31 ft	Weir Default: 2.800
Cross Section: NML0220_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: NML0220_W3	
Scenario: Alt3	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: NML0200	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: 12.45 ft	Discharge Coefficients
Control Elevation: 12.45 ft	Weir Default: 2.800
Cross Section: NML0220_W3X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Weir Link: NML0220_W4	
Scenario: Alt3	Bottom Clip
From Node: NML0220	Default: 0.00 ft
To Node: MULLET_LAKE	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Geometry Type: Irregular
 Invert: 11.42 ft
 Control Elevation: 11.42 ft
 Cross Section: NML0220_W4X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: NML0300_LP1	Upstream	Downstream
Scenario: Alt3	Invert: 7.84 ft	Invert: 7.42 ft
From Node: NML0300	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0300_LP2	Upstream	Downstream
Scenario: Alt3	Invert: 10.38 ft	Invert: 10.43 ft
From Node: NML0300	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NML0100	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Link: NML0300_W1	
Scenario: Alt3	Bottom Clip
From Node: NML0300	Default: 0.00 ft
To Node: NML0000	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: 11.70 ft	Discharge Coefficients
Control Elevation: 11.70 ft	Weir Default: 2.800
Cross Section: NML0300_W1X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0300_W2	
Scenario: Alt3	Bottom Clip
From Node: NML0300	Default: 0.00 ft
To Node: NML0400	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: 17.01 ft	Discharge Coefficients
Control Elevation: 17.01 ft	Weir Default: 2.800
Cross Section: NML0300_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:
Comment:	

Weir Link: NML0300_W3	
Scenario: Alt3	Bottom Clip
From Node: NML0300	Default: 0.00 ft
To Node: NML0410	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: 18.39 ft	Discharge Coefficients
Control Elevation: 18.39 ft	Weir Default: 2.800
Cross Section: NML0300_W3X	Weir Table:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0300_W4

Scenario:	Alt3	Bottom Clip
From Node:	NML0300	Default: 0.00 ft
To Node:	NML0100	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:	12.04 ft	Discharge Coefficients
Control Elevation:	12.04 ft	Weir Default: 2.800
Cross Section:	NML0300_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0310_W1

Scenario:	Alt3	Bottom Clip
From Node:	NML0310	Default: 0.00 ft
To Node:	NML0300	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:	22.10 ft	Discharge Coefficients
Control Elevation:	22.10 ft	Weir Default: 2.800
Cross Section:	NML0310_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0310_W2

Scenario:	Alt3	Bottom Clip
From Node:	NML0310	Default: 0.00 ft
To Node:	NML0410	Op Table:
Link Count:	1	Ref Node:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.33 ft
Control Elevation: 23.33 ft
Cross Section: NML0310_W2X

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:

Pipe Link: NML0400_LP1	Upstream	Downstream
Scenario: Alt3	Invert: 8.10 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 48.00 ft	Op Table:	Op Table:
FHWA Code: 3	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: NML0400_LP2	Upstream	Downstream
Scenario: Alt3	Invert: 9.70 ft	Invert: 7.80 ft
From Node: NML0400	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 31	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Weir Link: NML0400_W1

Scenario:	Alt3	Bottom Clip
From Node:	NML0400	Default: 0.00 ft
To Node:	NML0000	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:	11.82 ft	Discharge Coefficients
Control Elevation:	11.82 ft	Weir Default: 2.800
Cross Section:	NML0400_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0410_W1

Scenario:	Alt3	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	NML0400	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:	13.83 ft	Discharge Coefficients
Control Elevation:	13.83 ft	Weir Default: 2.800
Cross Section:	NML0410_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: NML0410_W2

Scenario:	Alt3	Bottom Clip
From Node:	NML0410	Default: 0.00 ft
To Node:	MULLET_LAKE	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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Geometry Type: Irregular
 Invert: 16.88 ft
 Control Elevation: 16.88 ft
 Cross Section: NML0410_W2X

Ref Node:
 Discharge Coefficients
 Weir Default: 2.800
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: NML0410_W3

Scenario: Alt3
 From Node: NML0410
 To Node: NML0000
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 16.39 ft
 Control Elevation: 16.39 ft
 Cross Section: NML0410_W3X

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:

Pipe Link: NML0420_LP1

Scenario: Alt3
 From Node: NML0420
 To Node: NML0410
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 42.00 ft
 FHWA Code: 6
 Entr Loss Coef: 0.90
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 ft
 Energy Switch: Energy

Upstream	Downstream
Invert: 23.50 ft	Invert: 22.70 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 2.50 ft	Max Depth: 2.50 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

Comment:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Pipe Link: NML0420_LP2		Upstream	Downstream
Scenario:	Alt3	Invert: 19.90 ft	Invert: 18.36 ft
From Node:	NML0420	Manning's N: 0.0240	Manning's N: 0.0240
To Node:	NML0410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 3.50 ft
Flow Direction:	None	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	50.00 ft	Op Table:	Op Table:
FHWA Code:	6	Ref Node:	Ref Node:
Entr Loss Coef:	0.90	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 ft	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: NML0420_W1		
Scenario:	Alt3	Bottom Clip
From Node:	NML0420	Default: 0.00 ft
To Node:	NML0410	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:	25.42 ft	Discharge Coefficients
Control Elevation:	25.42 ft	Weir Default: 2.800
Cross Section:	NML0420_W1X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0430_LP1		Upstream	Downstream
Scenario:	Alt3	Invert: 30.87 ft	Invert: 30.58 ft
From Node:	NML0430	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NML0420	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 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:	0.00	Top Clip	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

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

Comment:

Weir Link: NML0430_W1

Scenario:	Alt3	Bottom Clip	
From Node:	NML0430	Default:	0.00 ft
To Node:	NML0420	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:	32.40 ft	Discharge Coefficients	
Control Elevation:	32.40 ft	Weir Default:	2.800
Cross Section:	NML0430_W1X	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: NML0500_LP1

	Upstream	Downstream			
Scenario:	Alt3	Invert:	8.50 ft	Invert:	8.40 ft
From Node:	NML0500	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	NML0530	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	6	Ref Node:		Ref Node:	
Entr Loss Coef:	0.90	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 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: NML0500_W1

Scenario:	Alt3	Bottom Clip	
From Node:	NML0500	Default:	0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

To Node: NML0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 11.16 ft
Control Elevation: 11.16 ft
Cross Section: NML0500_W1X

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: NML0500_W2

Scenario: Alt3
From Node: NML0500
To Node: NML0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.91 ft
Control Elevation: 16.91 ft
Cross Section: NML0500_W2X

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: NML0510_W1

Scenario: Alt3
From Node: NML0510
To Node: NML0520
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.10 ft
Control Elevation: 9.10 ft
Cross Section: NML0510_W1X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Comment:

Weir Link: NML0510_W2	
Scenario: Alt3	Bottom Clip
From Node: NML0510	Default: 0.00 ft
To Node: NML0530	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: 11.00 ft	Discharge Coefficients
Control Elevation: 11.00 ft	Weir Default: 2.800
Cross Section: NML0510_W2X	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Comment:

Pipe Link: NML0520_LP1	Upstream	Downstream
Scenario: Alt3	Invert: 7.04 ft	Invert: 6.55 ft
From Node: NML0520	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NML0000	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 6	Ref Node:	Ref Node:
Entr Loss Coef: 0.90	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 ft	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0520_W1	
Scenario: Alt3	Bottom Clip
From Node: NML0520	Default: 0.00 ft
To Node: NML0000	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.14 ft
Control Elevation: 9.14 ft
Cross Section: NML0520_W1X

Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: NML0520_W2

Scenario: Alt3
From Node: NML0520
To Node: NML0220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.43 ft
Control Elevation: 13.43 ft
Cross Section: NML0520_W2X

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: NML0520_W3

Scenario: Alt3
From Node: NML0520
To Node: NML0200
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 10.77 ft
Control Elevation: 10.77 ft
Cross Section: NML0520_W3X

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:

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Weir Link: NML0520_W4		
Scenario:	Alt3	Bottom Clip
From Node:	NML0520	Default: 0.00 ft
To Node:	NML0100	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:	10.00 ft	Discharge Coefficients
Control Elevation:	10.00 ft	Weir Default: 2.800
Cross Section:	NML0520_W4X	Weir Table:
		Orifice Default: 0.600
		Orifice Table:
Comment:		

Pipe Link: NML0530_LP1		
	Upstream	Downstream
Scenario:	Alt3	Invert: 6.70 ft
From Node:	NML0530	Manning's N: 0.0240
To Node:	NML0520	Manning's N: 0.0240
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 1.25 ft
Damping:	0.0100 ft	Bottom Clip
Length:	40.00 ft	Default: 0.00 ft
FHWA Code:	6	Op Table:
Entr Loss Coef:	0.90	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 ft	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
		Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: NML0530_LP2		
	Upstream	Downstream
Scenario:	Alt3	Invert: 7.33 ft
From Node:	NML0530	Manning's N: 0.0120
To Node:	NML0520	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 2.00 ft
Damping:	0.0100 ft	Bottom Clip
Length:	33.00 ft	Default: 0.00 ft
FHWA Code:	3	Op Table:
Entr Loss Coef:	0.90	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
		Top Clip

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

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

Comment:

Pipe Link: NML0530_LP3			Upstream	Downstream
Scenario:	Alt3	Invert:	5.70 ft	Invert: 5.60 ft
From Node:	NML0530	Manning's N:	0.0120	Manning's N: 0.0120
To Node:	NML0100	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:	20.00 ft	Op Table:		Op Table:
FHWA Code:	5	Ref Node:		Ref Node:
Entr Loss Coef:	0.70	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 ft	Op Table:		Op Table:
Energy Switch:	Energy	Ref Node:		Ref Node:
		Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: NML0530_W1			Bottom Clip
Scenario:	Alt3	Default:	0.00 ft
From Node:	NML0530	Op Table:	
To Node:	NML0100	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Irregular	Discharge Coefficients	
Invert:	9.17 ft	Weir Default:	2.800
Control Elevation:	9.17 ft	Weir Table:	
Cross Section:	NML0530_W1X	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: NML0530_W2			Bottom Clip
Scenario:	Alt3	Default:	0.00 ft
From Node:	NML0530		

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

To Node: NML0520
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 10.00 ft
Control Elevation: 10.00 ft
Cross Section: NML0530_W2X

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:

Simulation: 010YR24HR

Scenario: Alt3
Run Date/Time: 12/10/2019 10:15:22 AM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	240.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area: 1 ft2
(2D):
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain: Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 6.80 in
Storm Duration: 24.0000 hr

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

Comment: 10 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 025YR24HR

Scenario: Alt3
Run Date/Time: 12/10/2019 10:16:37 AM
Program Version: ICPR4 4.05.02

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	288.0000
	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 8.40 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 1 ft2	Min Node Srf Area 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 25 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 050YR24HR

Scenario: Alt3
Run Date/Time: 12/10/2019 10:18:10 AM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	336.0000

	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	15.0000

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight: 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain: Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 10.10 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: 1 ft2	Min Node Srf Area: 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 50 YEAR / 24 HOUR SIMULATION EVENT.

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: 100YR24HR

Scenario: Alt3

Run Date/Time: 12/10/2019 10:21:24 AM

Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	384.0000

	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	15.0000

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name: ~FLMOD
	Rainfall Amount: 11.40 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 1 ft2	Min Node Srf Area 113 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment: 100 YEAR / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

Simulation: MA24HR

Scenario: Alt3
Run Date/Time: 12/10/2019 10:25:29 AM
Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	168.0000
	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]	
Min Calculation Time:	60.0000	0.1000	900.0000	

Mullet Lake Park Road Conceptual Drainage Alternatives Project

Alternative 3 Conditions

Max Calculation Time: 60.0000

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph
Folder:

Lookup Tables

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

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Smp/Man Basin Rain Global
Opt:
OF Region Rain Opt: Global
Rainfall Name: ~FLMOD
Rainfall Amount: 5.30 in

Mullet Lake Park Road Conceptual Drainage Alternatives Project
Alternative 3 Conditions

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 1 ft2

Min Node Srf Area 113 ft2

(2D):

(1D):

Energy Switch (2D): Energy

Energy Switch (1D): Energy

Comment: MEAN ANNUAL / 24 HOUR SIMULATION EVENT.

RAINFALL AMOUNT OBTAINED FROM SIMILAR STUDIES (LAKE JESUP
BASIN STUDY & MONROE BASIN STUDY) IN PROJECT VICINITY.

APPENDIX F

SJRWMD PRE-APPLICATION MEETING MINUTES

DATE: January 8, 2020 (meeting date: December 20, 2019 at 10:00am)

TO: Tuan Huynh – Seminole County Public Works Engineering Division (County)

FROM: Steve Sommerfeldt – Inwood Consulting Engineers, Inc. (Inwood)

RE: Mullet Lake Park Road Conceptual Drainage Alternatives Project
Pre-Application Meeting

A pre-application meeting was held on December 20, 2019 with St. Johns River Water Management District (SJRWMD) staff to discuss the Mullet Lake Park Road (MLPR) Conceptual Drainage Alternatives Project.

MEETING ATTENDEES:

- Cammie Dewey (SJRWMD)
- Margie Cook (SJRWMD)
- Alyssa Alers (SJRWMD)
- Tuan Huynh (County)
- Tony Nelson (County)
- Jean Jreij (County)
- Steve Sommerfeldt (Inwood)
- Nicholas Troilo (Inwood)

The project background, existing conditions analysis, conceptual alternatives analysis, and permitting requirements were reviewed. The following is a summary of the meeting's discussion:

- 1) Inwood gave a brief summary of the project background, previous study efforts and the project intent. Figures were provided (attached) showing the project area, model network, proposed improvements and other relevant information.
 - a. The watershed is located near Geneva, Florida and is south of Mullet Lake and the St. Johns River in the St. Johns River basin. The main focus area of this project is along Retreat Road, east of the intersection with MLPR to Bandit Way, where historical flooding has been reported. Note, Retreat Road is located within private property and is not a County maintained road.
 - b. The Mullet Lake Park Road watershed was last studied in 2006 by Inwood. The study focused on areas contributing to the drainage ditch located along the eastern side of MLPR, which discharges to the St. Johns River. Alternatives were primarily focused on improving conveyance of this ditch and also included the additional attenuation through utilization of the City of Sanford's Spray fields, south of West Osceola Road. Ultimately, a number of alternatives were proposed but these were deemed not permissible by SJRWMD due to increased discharges to the St. Johns River. Furthermore, the City of Sanford spray field, identified to provide additional attenuation, turned out not to be a viable option.
 - c. Recently, the residents of Retreat Road (located east of MLPR, approximately 1,400 feet north of West Osceola Road) have contacted the County and expressed an interest in working with the County to help mitigate the historical flooding concerns in the area. The County has received grant funding from the Federal Emergency Management Agency (FEMA) through their Hazard Mitigation Grant Program (HMGP) and has requested that Inwood re-evaluate the project area to update the model with a focus on permissible, conceptual alternatives to address flooding at Retreat Road.

- 2) Inwood discussed the existing conditions of the project area and efforts involved with updating the previous modeling to reflect more current conditions.
 - a. The model from the previous 2006 study was utilized and converted to the North American Vertical Datum of 1988 (NAVD88). Within the vicinity of the main focus area, the model was then updated based upon CFCA LiDAR data, available plans and permits, and other relevant data (soils, land use, etc.). The watershed boundary was also expanded significantly from MLPR in order to represent contributing drainage to Retreat Road and the wetland located to the north of the road, just south of Mullet Lake.
 - b. Drainage along Retreat Road currently consists of two ditches (on the northern and southern sides of the road) and various aged sidedrains and crossdrains which flow to the east, ultimately draining to the wetland north of Retreat Road. This wetland is hydraulically connected to Mullet Lake which, in turn, is hydraulically connected to the St. Johns River. Therefore, the updated model included two primary boundary conditions: the MLPR ditch outfall to the St. Johns River, and discharge from the Retreat Road wetland to Mullet Lake.
 - c. Existing conditions model results confirmed flooding along Retreat Road beginning with the mean annual storm event. Results also confirmed that the ditch east of MLPR, which has been reported and observed to overtop southeast of the intersection with Retreat Road under heavy rainfall events, does indeed stage up and exacerbate flooding at Retreat Road.
- 3) The conceptual alternatives for improving flooding along Retreat Road were summarized and discussed. Model results for each of the improvement alternatives were also briefly discussed.
 - a. Three alternatives were proposed and evaluated. The proposed improvements were discussed and are summarized as follows:
 - i. Alternative 1 proposes construction of an engineered outfall from the MLPR ditch along the south side of Retreat Road and consists of a control structure and outlet pipes from the MLPR ditch, regrading of the ditch south of Retreat Road to provide a more positive outfall, and upsizing of the existing sidedrains and crossdrains downstream which discharge to the wetland. Regrading of the ditch along the northern side of Retreat Road is also included.
 - ii. Alternative 2 proposes construction of two engineered outfalls from the MLPR ditch. The outfalls are located along both sides of Retreat Road and consists of control structures and outlet pipes from the ditch, regrading of the ditches along Retreat Road, installation of a dual crossdrain underneath Retreat Road approximately 320 feet east of MLPR, and upsizing of the existing sidedrains and crossdrains along Retreat Road downstream of the outfalls. Alternative 2 also proposes the purchase of two parcels to provide compensating storage for the wetland north of Retreat Road.
 - iii. Alternative 3 proposes regrading of the ditch along the south side of Retreat Road, installation of crossdrain underneath Retreat Road approximately 320 feet east of MLPR and upsizing of the existing sidedrains and crossdrains on the south side of Retreat Road to the wetland. Alternative 3 also proposes raising of the roadway profile along the low-lying areas of Retreat Road and the purchase of a parcel on the south side of the road to provide compensating storage and additional attenuation of runoff prior to discharge to the wetland north of Retreat Road. This is Inwood's current recommended Alternative.
 - b. The County inquired about the adjacent parcel as a potential backup for the identified compensating storage parcel in Alternative 3. It was stated that utilizing the parcel may be possible

however, due to depressional area adjacent to Retreat Road, it may not provide the same benefit as the identified one. The County also expressed interest in utilizing alternative materials for the Alternative 3 roadway improvements (limestone, etc.).

- c. Discussion of the model results generally focused on stages within the Retreat Road wetland and adjacent private property, and discharge rates to both the St. Johns River (via the MLPR ditch) and Mullet Lake, which is hydraulically connected to the St. Johns.
 - i. The results for Alternative 1 demonstrate that the proposed improvements would reduce flooding along Retreat Road somewhat. However, the results also show increases in stage within the Retreat Road wetland, as well as other locations within the watershed adjacent to private property. Furthermore, discharge rates to Mullet Lake are increased for all storm events.
 - ii. Model results for both Alternative 2 and Alternative 3 demonstrate that the improvements would result in significant reductions in flooding along Retreat Road. Modeled peak stages within the Retreat Road wetland show either no impacts or marginal reductions for the design storms. Furthermore, the peak discharge rates to both the MLPR ditch outfall at the St. Johns River and the outfall to Mullet Lake are reduced under both alternatives.
- 4) Additional concerns for permitting were also considered due to the proximity of the alternative improvements to both private property and the Retreat Road wetland. The following was discussed regarding permissibility of the conceptual alternatives:
 - a. In regard to model results, the 25-year / 24-hour storm is considered the regulatory storm. Discharge rates to the St. Johns and at Mullet Lake must not show an increase under alternative conditions for the storm. Furthermore, it was stated by SJRWMD that discharge volumes are not presumptive criteria for permitting. Based upon these criteria, both Alternatives 2 and 3 would be permissible. It was noted that any stage increases on private property (i.e. at the Retreat Road wetland) would involve getting each impacted resident to sign off on the increases.
 - b. Based upon input from SJRWMD, an environmental assessment will be necessary to determine wetland limits in the vicinity of Retreat Road for implementation of the proposed improvements. Wetlands will need to be flagged by SJRWMD and environmental staff both north of the road and south of the road (for Alternative 3), as necessary. To avoid wetland impacts, a 25-foot buffer (15-foot average) is required by the District to any identified wetlands. If mitigation is required, the County stated that they prefer purchasing mitigation credits rather than installing plantings within the compensating storage areas which would require monitoring for a 5-year period.
 - c. The proposed alternative will also need to be sent to the US Army Corps of Engineers (USACE) for their review due to the proximity of the improvements to Mullet Lake and the St. Johns River. The County has stated that USACE's response may not be necessary for FEMA's approval for the HMGP funding.
 - d. Based upon preliminary discussions, it is likely that Alternatives 2 and 3 would require an Individual Permit. Alternative 1 may be permitted also, however, discharges for the 25-year storm may warrant further evaluation. Any impacts to private property would require authorization from each property owner. The District stated that more information would be needed (wetland delineation, maintenance concerns, etc.) before these determinations are confirmed.

5) Community Public Meeting

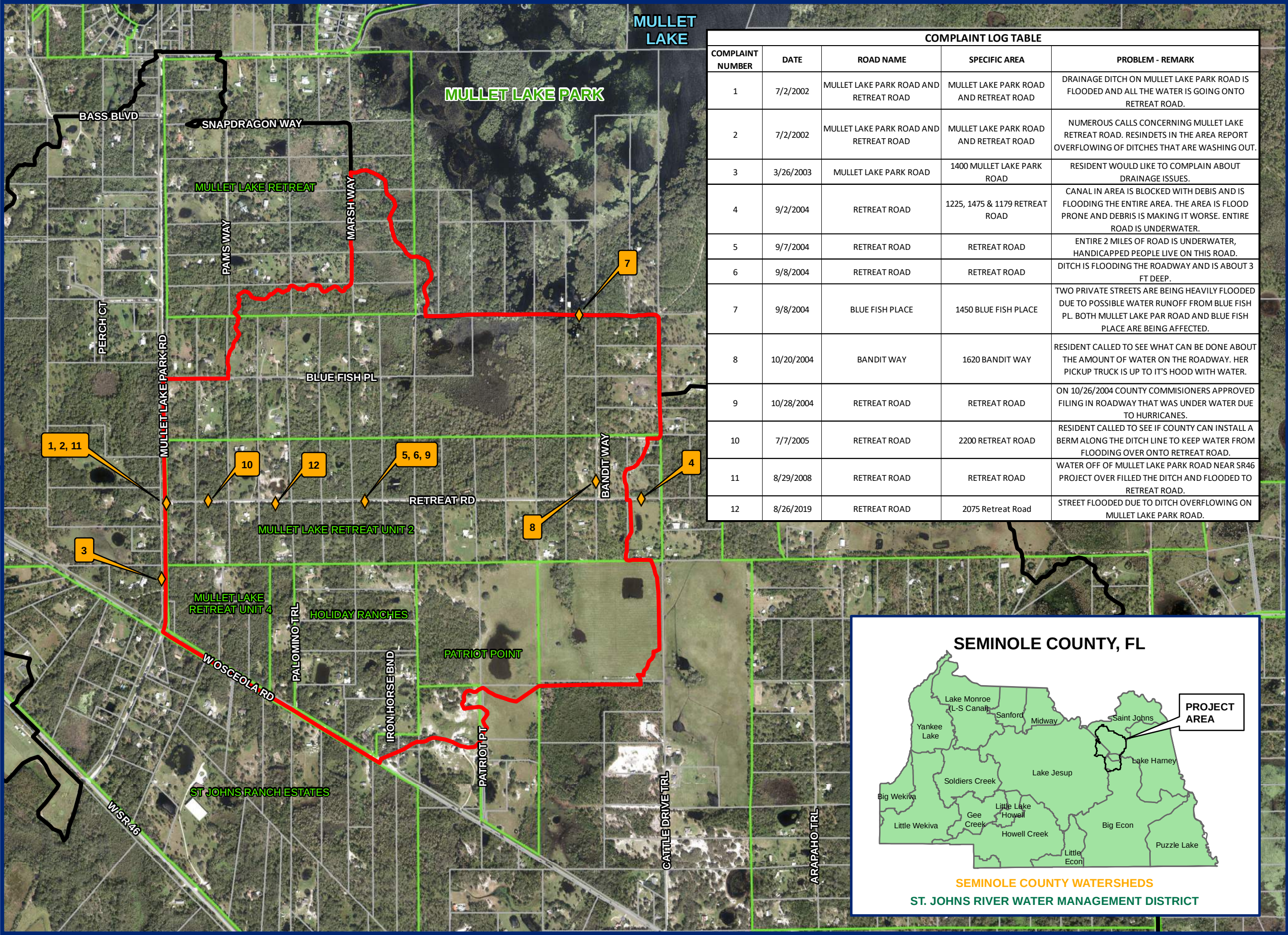
- a. The County wishes to organize a community meeting to review the details of the project. Details to be discussed would include the proposed alternatives, property acquisition for Alternatives 2 and 3, potential easement / right-of-way concerns, and maintenance of the proposed improvements. Following the discussion and input provided at the meeting, the County will proceed with selecting an Alternative accordingly.
- b. The County will send mailouts to the residents along Retreat Road in order to set up the Community meeting. It is assumed that members of both the County and Inwood, as well as potentially the County Commissioner, will attend the meeting. A list of the parcels along the road will be sent to the County to assist with preparation of the mailouts. The County requested that Inwood prepare and present a slide show presentation for the meeting.

Action Items by Inwood:

1. Inwood will provide to the County a list of the parcels along Retreat Road in order to expedite the process of sending out a mailer for the Public Meeting. *Update: Inwood provided to the County a list of the subject parcels on December 20. The County has followed up and indicated that the Public Meeting will be tentatively scheduled for the week of January 13 – 18, 2020 at 7pm. As of 1/7/2020, the meeting date and location were changed to 1/23/19 from 6:30 to 8:30pm at the Community Church of God.*
2. Inwood will prepare a draft PowerPoint presentation for the County's review prior to the community meeting. *Update: Community meeting was initially scheduled for 1/16/20 from 7pm to 9pm at the Geneva Wilderness Center. As of 1/7/2020, the meeting date and location were changed to 1/23/19 from 6:30 to 8:30pm at the Community Church of God. Inwood provided draft PowerPoint presentation, sign-in sheet, and comments form to the County for review on 1/7/20.*
3. Based upon the results of the Public Meeting and the County's selected alternative, Inwood will follow up with SJRWMD in regard to permitting concerns. Inwood will also update the project technical memorandum with the selected alternative and the updated permitting concerns for each.
4. Once the technical memorandum is revised, Inwood will submit the selected alternative details to the USACE for their review and permit determination. As previously stated by the County, the project may be able to be submitted to FEMA for funding with or without the USACE's response, if necessary.

***** END OF MEETING *****

NOTE: *The above summary is Inwood's understanding of the main points of the meeting. If any misinterpretations or inaccuracies are included, please contact Steve Sommerfeldt at (407) 971-8850 (ssommerfeldt@inwoodinc.com) as soon as possible for resolution and revisions if necessary.*

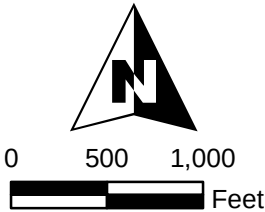


COMPLAINT LOG TABLE				
COMPLAINT NUMBER	DATE	ROAD NAME	SPECIFIC AREA	PROBLEM - REMARK
1	7/2/2002	MULLET LAKE PARK ROAD AND RETREAT ROAD	MULLET LAKE PARK ROAD AND RETREAT ROAD	DRAINAGE DITCH ON MULLET LAKE PARK ROAD IS FLOODED AND ALL THE WATER IS GOING ONTO RETREAT ROAD.
2	7/2/2002	MULLET LAKE PARK ROAD AND RETREAT ROAD	MULLET LAKE PARK ROAD AND RETREAT ROAD	NUMEROUS CALLS CONCERNING MULLET LAKE RETREAT ROAD. RESINETS IN THE AREA REPORT OVERFLOWING OF DITCHES THAT ARE WASHING OUT.
3	3/26/2003	MULLET LAKE PARK ROAD	1400 MULLET LAKE PARK ROAD	RESIDENT WOULD LIKE TO COMPLAIN ABOUT DRAINAGE ISSUES.
4	9/2/2004	RETREAT ROAD	1225, 1475 & 1179 RETREAT ROAD	CANAL IN AREA IS BLOCKED WITH DEBIS AND IS FLOODING THE ENTIRE AREA. THE AREA IS FLOOD PRONE AND DEBRIS IS MAKING IT WORSE. ENTIRE ROAD IS UNDERWATER.
5	9/7/2004	RETREAT ROAD	RETREAT ROAD	ENTIRE 2 MILES OF ROAD IS UNDERWATER, HANDICAPPED PEOPLE LIVE ON THIS ROAD.
6	9/8/2004	RETREAT ROAD	RETREAT ROAD	DITCH IS FLOODING THE ROADWAY AND IS ABOUT 3 FT DEEP.
7	9/8/2004	BLUE FISH PLACE	1450 BLUE FISH PLACE	TWO PRIVATE STREETS ARE BEING HEAVILY FLOODED DUE TO POSSIBLE WATER RUNOFF FROM BLUE FISH PL. BOTH MULLET LAKE PAR ROAD AND BLUE FISH PLACE ARE BEING AFFECTED.
8	10/20/2004	BANDIT WAY	1620 BANDIT WAY	RESIDENT CALLED TO SEE WHAT CAN BE DONE ABOUT THE AMOUNT OF WATER ON THE ROADWAY. HER PICKUP TRUCK IS UP TO IT'S HOOD WITH WATER.
9	10/28/2004	RETREAT ROAD	RETREAT ROAD	ON 10/26/2004 COUNTY COMMISIONERS APPROVED FILING IN ROADWAY THAT WAS UNDER WATER DUE TO HURRICANES.
10	7/7/2005	RETREAT ROAD	2200 RETREAT ROAD	RESIDENT CALLED TO SEE IF COUNTY CAN INSTALL A BERM ALONG THE DITCH LINE TO KEEP WATER FROM FLOODING OVER ONTO RETREAT ROAD.
11	8/29/2008	RETREAT ROAD	RETREAT ROAD	WATER OFF OF MULLET LAKE PARK ROAD NEAR SR46 PROJECT OVER FILLED THE DITCH AND FLOODED TO RETREAT ROAD.
12	8/26/2019	RETREAT ROAD	2075 Retreat Road	STREET FLOODED DUE TO DITCH OVERFLOWING ON MULLET LAKE PARK ROAD.



LEGEND

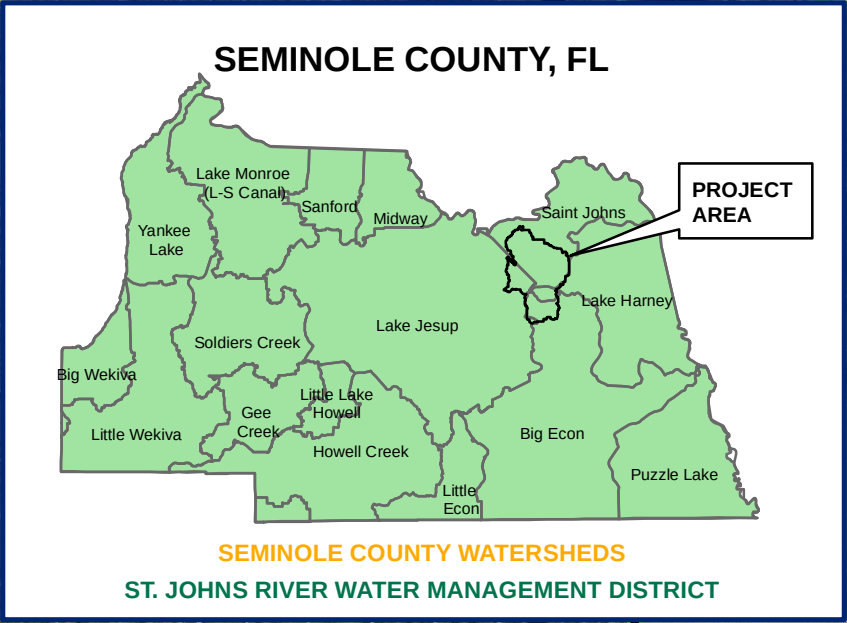
- FOCUS AREA
- MLPR WATERSHED BOUNDARY
- PARCELS
- SUBDIVISIONS
- COMPLAINT LOGS

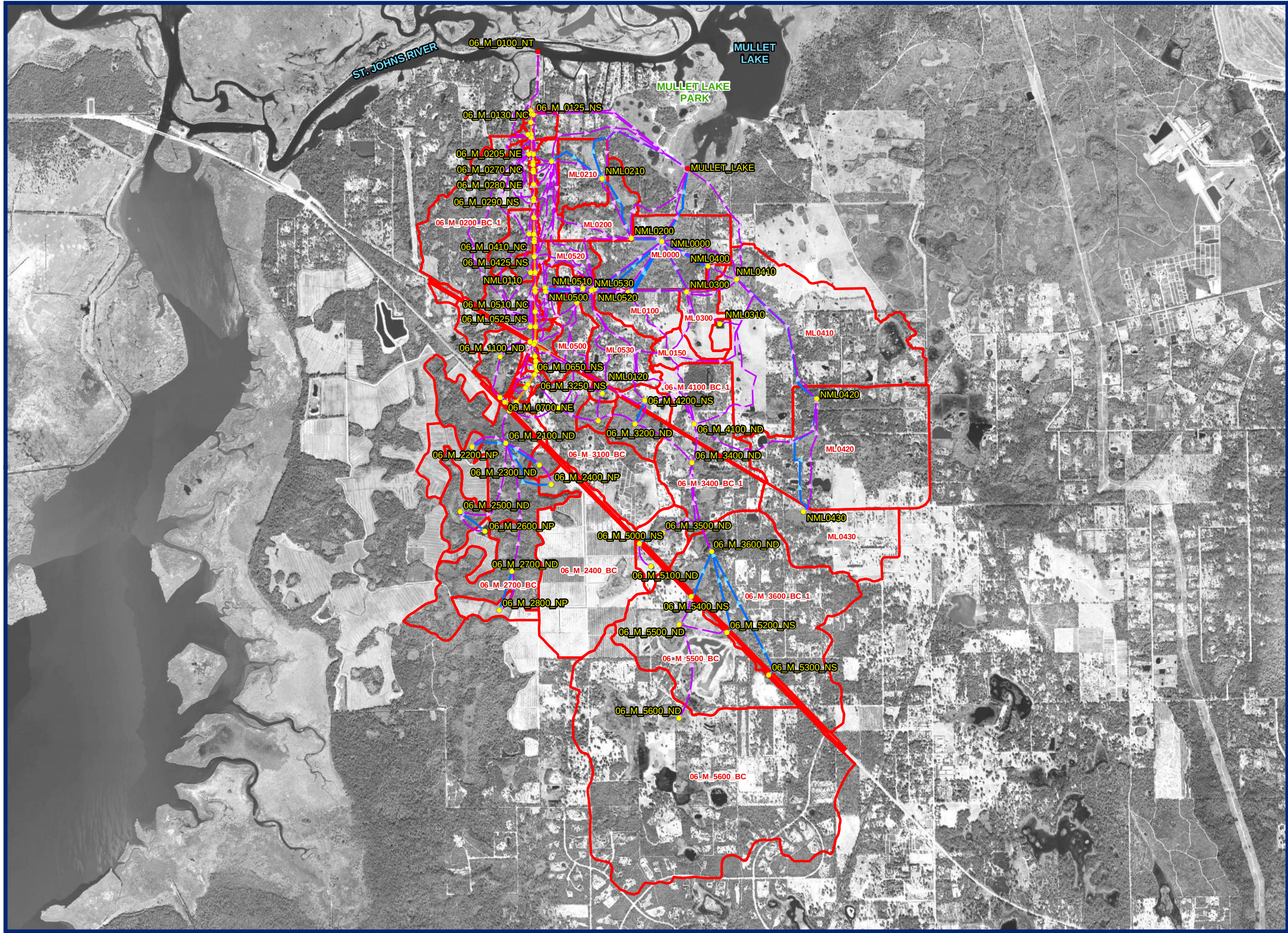


DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
SUBDIVISIONS: SEMINOLE COUNTY, 2019

Mullet Lake Park Road Conceptual Drainage Alternatives

FIGURE 2
PROJECT SITE & OWNERSHIP MAP





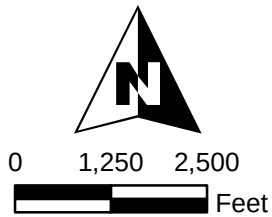
LEGEND

- SUBBASINS
- LINK WEIR
- LINK PIPE
- LINK CHANNEL

NODES

- STAGE AREA
- TIME STAGE

NOTE: FOR A MORE DETAILED VIEW OF THE MODEL NETWORK, PLEASE REFER TO EXHIBIT 1 - EXISTING CONDITIONS MODEL NETWORK MAP.



DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
ROADS: SEMINOLE COUNTY, 2019

**Mullet Lake Park
Road Conceptual
Drainage
Alternatives**

**FIGURE 8
EXISTING
CONDITIONS
MODEL
NETWORK MAP**





LEGEND

PROPOSED STRUCTURES

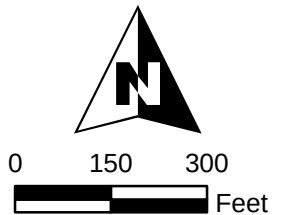
- CONTROL STRUCTURE
- ENDWALL
- MES
- PIPE
- DITCH
- PROPOSED BANK REGRADING
- PARCELS

FEMA FLOODZONE

- FLOODZONE A
- FLOODZONE AE

EXISTING STRUCTURES

- ENDWALL
- PIPES

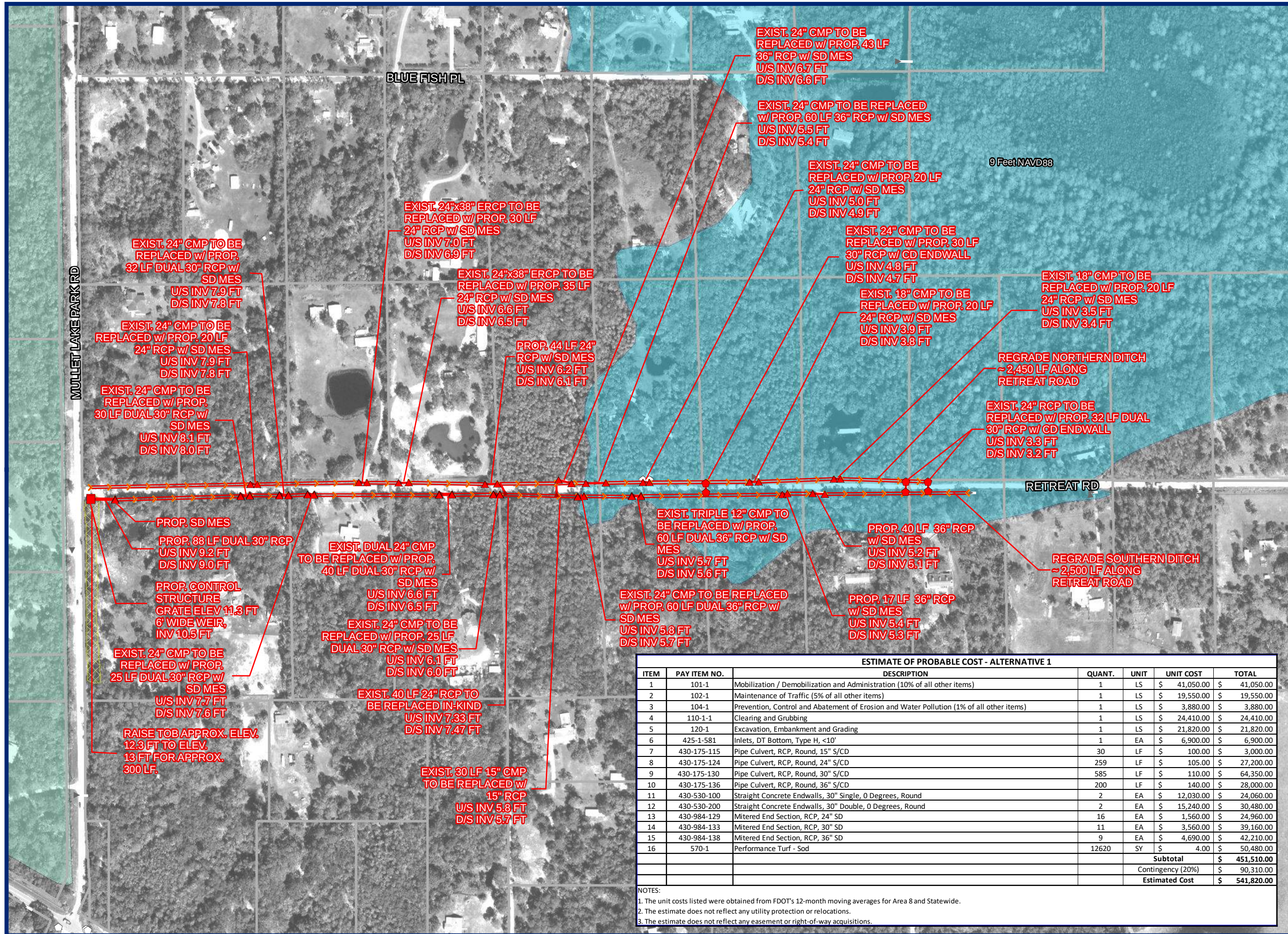


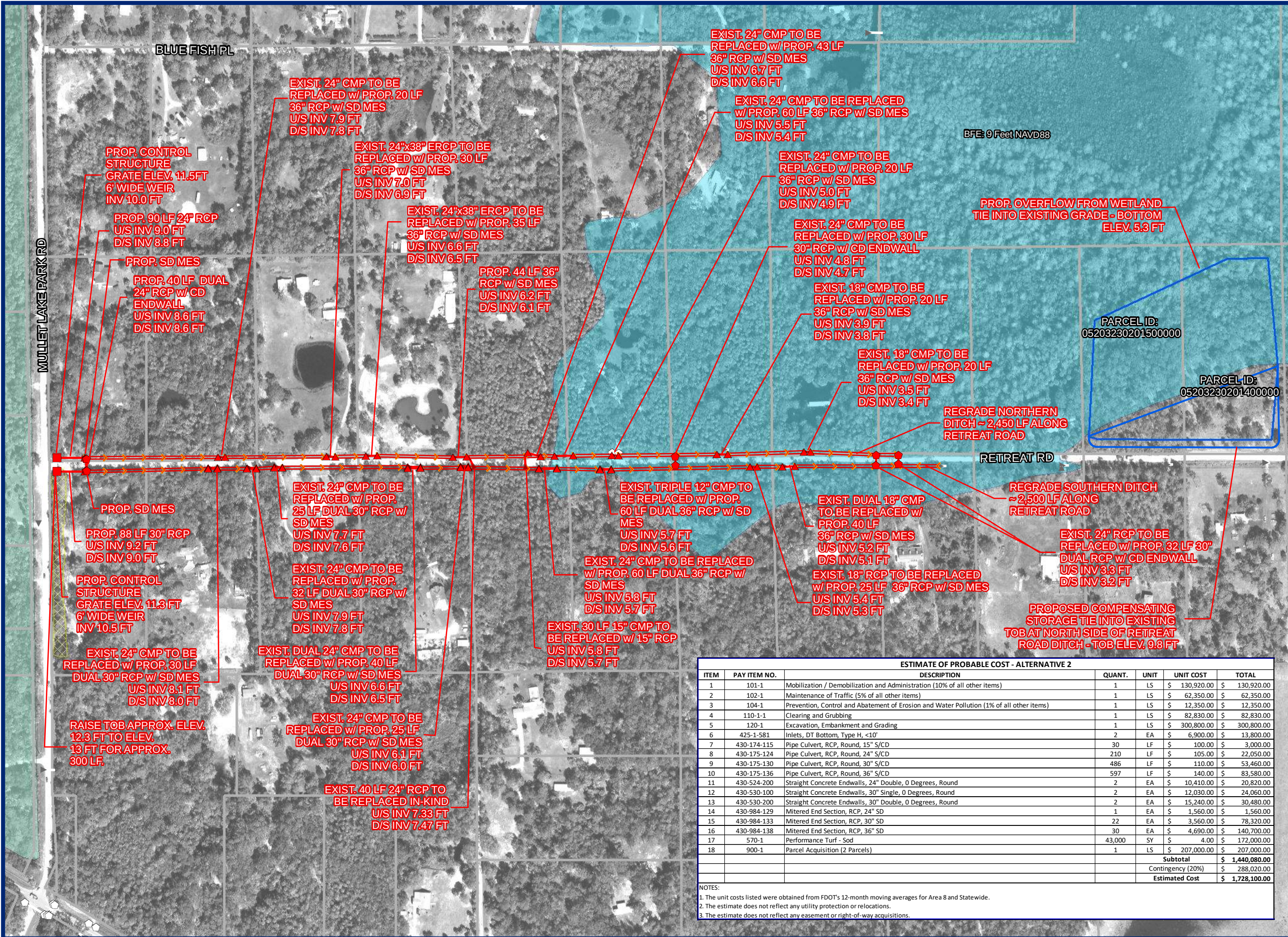
DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
DFIRM: FEMA, 2019

Mullet Lake Park
Road Conceptual
Drainage
Alternatives

FIGURE 9

ALTERNATIVE 1
CONCEPTUAL
IMPROVEMENTS
MAP





LEGEND

- PROPOSED**
- CONTROL STRUCTURE
 - ENDWALL
 - MES
 - PIPES
 - DITCH
 - PROPOSED COMPENSATING STORAGE
 - PROPOSED BANK REGRADING
 - PARCELS
- FEMA**
- FLOODZONE A
 - FLOODZONE AE
- EXISTING**
- ENDWALL
 - PIPES



0 150 300 Feet

DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
DFIRM: FEMA, 2019

Mullet Lake Park Road Conceptual Drainage Alternatives

FIGURE 10

**ALTERNATIVE 2
CONCEPTUAL
IMPROVEMENTS
MAP**

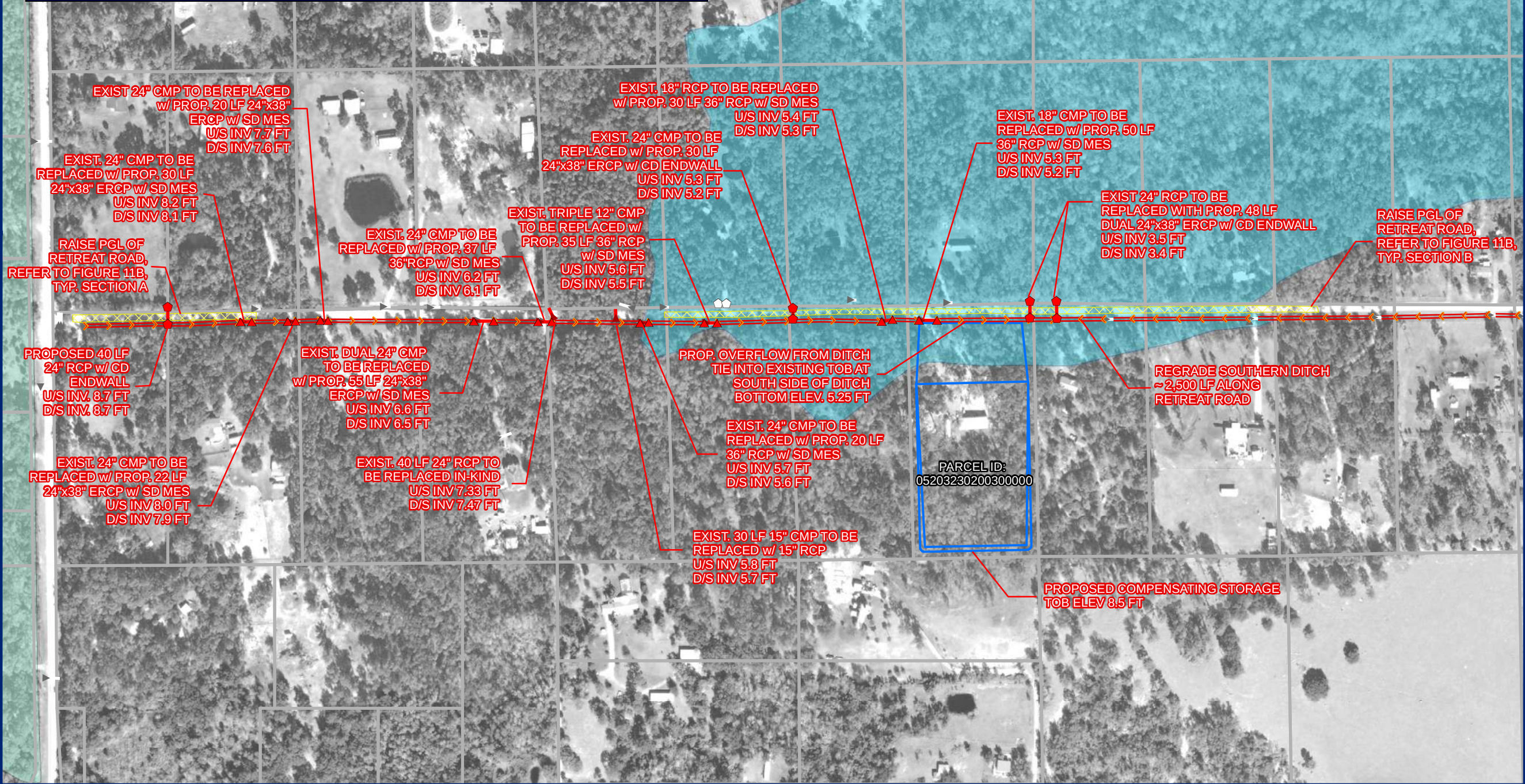


ESTIMATE OF PROBABLE COST - ALTERNATIVE 2							
ITEM	PAY ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL	
1	101-1	Mobilization / Demobilization and Administration (10% of all other items)	1	LS	\$ 130,920.00	\$	130,920.00
2	102-1	Maintenance of Traffic (5% of all other items)	1	LS	\$ 62,350.00	\$	62,350.00
3	104-1	Prevention, Control and Abatement of Erosion and Water Pollution (1% of all other items)	1	LS	\$ 12,350.00	\$	12,350.00
4	110-1-1	Clearing and Grubbing	1	LS	\$ 82,830.00	\$	82,830.00
5	120-1	Excavation, Embankment and Grading	1	LS	\$ 300,800.00	\$	300,800.00
6	425-1-581	Inlets, DT Bottom, Type H, <10'	2	EA	\$ 6,900.00	\$	13,800.00
7	430-174-115	Pipe Culvert, RCP, Round, 15" S/CD	30	LF	\$ 100.00	\$	3,000.00
8	430-175-124	Pipe Culvert, RCP, Round, 24" S/CD	210	LF	\$ 105.00	\$	22,050.00
9	430-175-130	Pipe Culvert, RCP, Round, 30" S/CD	486	LF	\$ 110.00	\$	53,460.00
10	430-175-136	Pipe Culvert, RCP, Round, 36" S/CD	597	LF	\$ 140.00	\$	83,580.00
11	430-524-200	Straight Concrete Endwalls, 24" Double, 0 Degrees, Round	2	EA	\$ 10,410.00	\$	20,820.00
12	430-530-100	Straight Concrete Endwalls, 30" Single, 0 Degrees, Round	2	EA	\$ 12,030.00	\$	24,060.00
13	430-530-200	Straight Concrete Endwalls, 30" Double, 0 Degrees, Round	2	EA	\$ 15,240.00	\$	30,480.00
14	430-984-129	Mitered End Section, RCP, 24" SD	1	EA	\$ 1,560.00	\$	1,560.00
15	430-984-133	Mitered End Section, RCP, 30" SD	22	EA	\$ 3,560.00	\$	78,320.00
16	430-984-138	Mitered End Section, RCP, 36" SD	30	EA	\$ 4,690.00	\$	140,700.00
17	570-1	Performance Turf - Sod	43,000	SY	\$ 4.00	\$	172,000.00
18	900-1	Parcel Acquisition (2 Parcels)	1	LS	\$ 207,000.00	\$	207,000.00
Subtotal						\$	1,440,080.00
Contingency (20%)						\$	288,020.00
Estimated Cost						\$	1,728,100.00

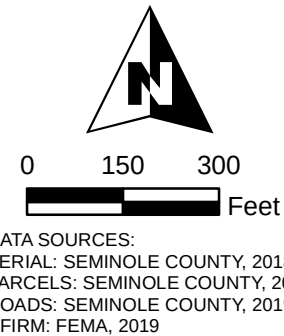
NOTES:
1. The unit costs listed were obtained from FDOT's 12-month moving averages for Area 8 and Statewide.
2. The estimate does not reflect any utility protection or relocations.
3. The estimate does not reflect any easement or right-of-way acquisitions.

ESTIMATE OF PROBABLE COST - ALTERNATIVE 3						
ITEM	PAY ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL
1	101-1	Mobilization / Demobilization and Administration (10% of all other items)	1	LS	\$ 106,070.00	\$ 106,070.00
2	102-1	Maintenance of Traffic (5% of all other items)	1	LS	\$ 50,510.00	\$ 50,510.00
3	104-1	Prevention, Control and Abatement of Erosion and Water Pollution (1% of all other items)	1	LS	\$ 10,010.00	\$ 10,010.00
4	110-1-1	Clearing and Grubbing	1	LS	\$ 53,670.00	\$ 53,670.00
5	120-1	Excavation, Embankment and Grading	1	LS	\$ 178,000.00	\$ 178,000.00
6	160-4	Type B Stabilization (6")	4205	SY	\$ 10.00	\$ 42,050.00
7	430-174-115	Pipe Culvert, RCP, Round, 15" S/CD	30	LF	\$ 100.00	\$ 3,000.00
8	430-174-124	Pipe Culvert, RCP, Round, 24" S/CD	80	LF	\$ 110.00	\$ 8,800.00
9	430-174-136	Pipe Culvert, RCP, Round, 36" SD	172	LF	\$ 140.00	\$ 24,080.00
10	430-175-230	Pipe Culvert, RCP, Elliptical, 30" S/CD	253	LF	\$ 150.00	\$ 37,950.00
11	430-524-100	Straight Concrete Endwalls, 24" Single, 0 Degrees, Round	2	EA	\$ 10,410.00	\$ 20,820.00
12	430-530-102	Straight Concrete Endwalls, 30" Single, 0 Degrees, Elliptical	2	EA	\$ 9,750.00	\$ 19,500.00
13	430-530-202	Straight Concrete Endwalls, 30" Double, 0 Degrees, Elliptical	2	EA	\$ 13,100.00	\$ 26,200.00
14	430-984-133	Mitered End Section, RCP, 30" SD	3	EA	\$ 3,560.00	\$ 10,680.00
15	430-984-138	Mitered End Section, RCP, 36" SD	10	EA	\$ 4,690.00	\$ 46,900.00
16	430-974-633	Mitered End Section, RCP, Elliptical, 30" SD	8	EA	\$ 3,630.00	\$ 29,040.00
17	570-1	Performance Turf - Sod	27,350	SY	\$ 4.00	\$ 109,400.00
18	900-1	Parcel Acquisition (1 Parcel)	1	LS	\$ 390,000.00	\$ 390,000.00
					Subtotal	\$ 1,166,680.00
					Contingency (20%)	\$ 233,340.00
					Estimated Cost	\$ 1,400,020.00

NOTES:
1. The unit costs listed were obtained from FDOT's 12-month moving averages for Area 8 and Statewide.
2. The estimate does not reflect any utility protection or relocations.
3. The estimate does not reflect any easement or right-of-way acquisitions.



- LEGEND**
- PROPOSED**
- ENDWALL
 - MES
 - PIPE
 - DITCH
 - PROPOSED COMPENSATING STORAGE
 - PGL IMPROVEMENTS
 - PARCELS
- FEMA FLOODZONE**
- FLOODZONE A
 - FLOODZONE AE
- EXISTING**
- ENDWALL
 - PIPES

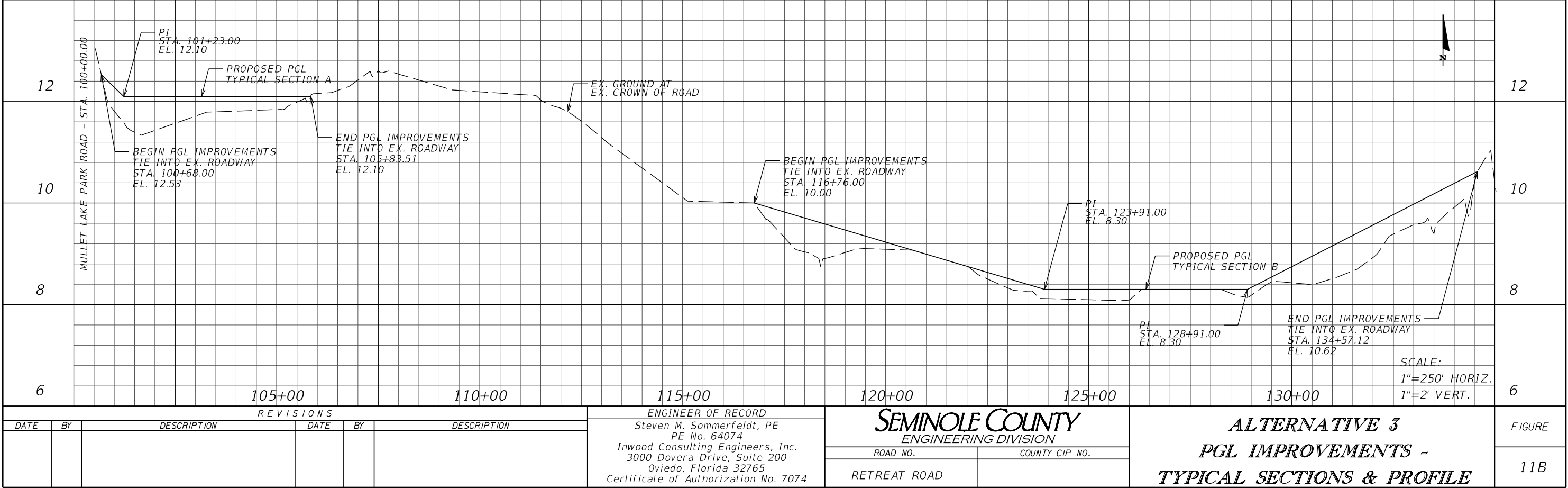
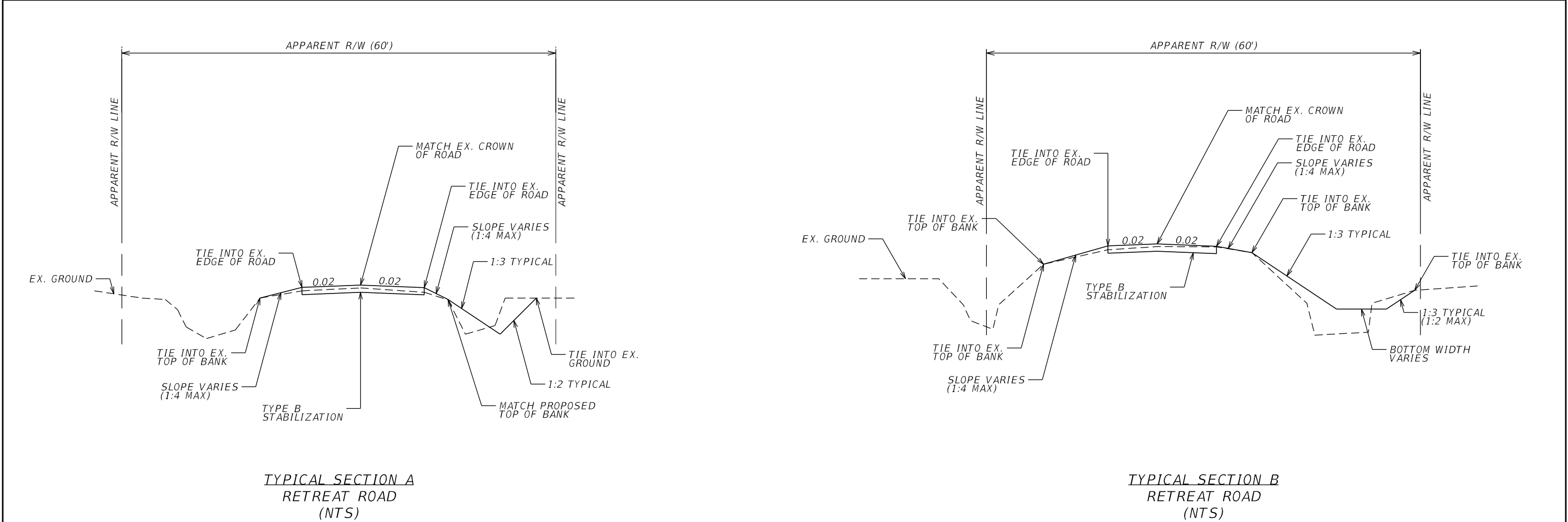


DATA SOURCES:
AERIAL: SEMINOLE COUNTY, 2018
PARCELS: SEMINOLE COUNTY, 2019
ROADS: SEMINOLE COUNTY, 2019
DFIRM: FEMA, 2019

**Mullet Lake Park
Road Conceptual
Drainage
Alternatives**

FIGURE 11A
**ALTERNATIVE 3
CONCEPTUAL
IMPROVEMENTS
MAP**





REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD
Steven M. Sommerfeldt, PE
PE No. 64074
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765
Certificate of Authorization No. 7074

SEMINOLE COUNTY ENGINEERING DIVISION	
ROAD NO.	COUNTY CIP NO.
RETREAT ROAD	

ALTERNATIVE 3
PGL IMPROVEMENTS -
TYPICAL SECTIONS & PROFILE

FIGURE
11B

APPENDIX G

COMMUNITY PUBLIC MEETING MINUTES

DATE: February 6, 2020 (Meeting Date: January 23, 2020 at 6:30 PM)

TO: Tuan Huynh – Seminole County Public Works Engineering Division (County)

FROM: Steve Sommerfeldt – Inwood Consulting Engineers, Inc. (Inwood)

RE: Mullet Lake Park Road Conceptual Drainage Alternatives Project
Public Information Meeting

A public information meeting was held on January 23, 2020 at the Community Church of God (695 Cochran Road, Geneva, FL 32732) to discuss the Mullet Lake Park Road (MLPR) Conceptual Drainage Alternatives Project.

MEETING ATTENDEES: Commissioner Jay Zembower (County)
Jean Jreij (County)
Tuan Huynh (County)
Tony Nelson (County)
Owen Reagan (County)
Steve Sommerfeldt (Inwood)
Joshua Spence (Inwood)
Nicholas Troilo (Inwood)

The project background, historical flooding, existing conditions analysis, conceptual alternatives, permitting requirements, and easement and property concerns were presented and discussed. A sign-in sheet containing a list of the Retreat Road residents, County staff, and Inwood staff who attended the meeting is attached. The meeting and discussion is summarized below.

- 1) Commissioner Jay Zembower spoke to the assembled staff and residents to outline the project's importance, timeline (regarding the FEMA HMGP funding deadlines), and need for public cooperation and involvement (particularly in regards to the improvements being located on private property). Commissioner Zembower offered to help answer resident's questions and concerns, and provided contact information.
- 2) Steve Sommerfeldt (Inwood) gave a presentation summarizing the project background and intent, existing conditions analysis and results, conceptual alternatives, FEMA funding and requirements, and public involvement and cooperation. A PDF version of the presentation is attached.
- 3) Residents were encouraged to raise questions during the presentation. Furthermore, following the presentation, the floor was opened to discussion and to answer any public comments and/or questions from the residents. Public Comment Forms were also made available that could be filled out and dropped off at the meeting, emailed, or mailed in. The following is a summation of the relevant comments and responses which were voiced during the meeting:
 - a. A question was presented regarding the proposed improvements and private property limits.
 - i. The County and Inwood elaborated that all improvements would be located within the two 30-foot wide, unrecorded private easements located along Retreat Road or within property that the County would need to acquire.
 - b. A question was raised inquiring about the condition of the proposed improvements and drainage following flooding and siltation.

- i. Inwood explained that, because the proposed improvements are located on private property, any maintenance of the drainage system would remain the responsibility of the residents along Retreat Road (same as currently maintained). Inwood further elaborated that the County would maintain any property that may be acquired as part of the proposed alternative improvements.
- c. A question regarding who would need to sign off on the temporary construction easement, which was described during the presentation, was discussed.
 - i. The County and Inwood explained that all residents along Retreat Road would need to approve acquisition of the temporary easement in order for construction of the improvements to occur.
- d. A question regarding funding for the project and FEMA's role was voiced.
 - i. Inwood clarified that 75% of the funding for the project would be provided by FEMA, with the County covering the remaining 25%. A portion of the County's funding is provided by the recently approved \$0.01 sales tax.
- e. A question regarding whether this project is related to the Clean Air / Clean Water Act was raised.
 - i. Inwood explained that the legislation from the Clean Air / Clean Water Act governs how water quality improvements are designed; the proposed improvements are not designed specifically for water quality benefits. However, it is believed that the proposed alternatives will provide a net benefit for water quality.
- f. A concern was voiced regarding stages and flows within the ditch along Mullet Lake Park Road.
 - i. Inwood explained that the proposed improvements were designed with the idea of maintaining existing, general flow patterns in the area to the extent possible. Results indicate that there should not be any adverse impacts to historical flow patterns and rates.
- g. A question was asked in regards to the berm located along the Mullet Lake Park Road ditch at Retreat Road.
 - i. Inwood explained that the proposed improvements only include raising the berm to the south of Retreat Road (at the identified low spot) as a component of the alternatives. Raising of the ditch on the north side is not proposed as it would impact stages downstream and may potentially cause permitting concerns.
- h. An inquiry about the difference in results between permissible Alternatives 2 and 3 was voiced.
 - i. Inwood explained that both alternatives show significant improvements and are roughly equivalent in terms of resulting stages and flow rates; however, Alternative 3 generally provided a little bit better of a balance in flows.
- 4) The County previously sent mailouts (dated January 10, 2020) to gauge resident interest in the future acquisition of a temporary construction easement within the historical, unrecorded 60-foot easement along Retreat Road. It was explained that these mailouts are for documentation only and do not represent a legally binding document of approval for the easement acquisition.
 - a. As explained during the presentation and discussion, the County must receive notifications from all impacted residents along Retreat Road in order to acquire the required temporary construction easement for the project. Notifications must be received by the County by the deadline date of January 31, 2020.

- b. Michelle Bernstein and Phil Riebel (residents along Retreat Road) offered to hand deliver mailouts to residents whom the County had not been able to reach. Contact information for the County was provided to the residents for correspondence.

Action Items:

1. Residents / Owners are to submit response letters indicating whether or not a temporary easement would be granted to the County during construction. Letters were to be submitted to the County by January 31, 2020.
2. County will make a determination on whether or not the project can continue into the design and permitting phase.
3. Upon the County's direction, the draft technical memorandum will be finalized and submitted to the County. Details of whether or not the project is planned to move forward and how will be included in the final memorandum.

******* END OF MEETING *******

NOTE: The above summary is Inwood's understanding of the main points of the meeting. If any misinterpretations or inaccuracies are included, please contact Steve Sommerfeldt at (407) 971-8850 (ssommerfeldt@inwoodinc.com) as soon as possible for resolution and revisions if necessary.



Retreat Road Conceptual Drainage Improvements

between Mullet Lake Park Road and Bandit Way

Public Information Meeting
Thursday, January 23, 2020
6:30 - 8:30 p.m.

Sign-In Sheet

Name (please print)	Organization (please print)	Mailing Address (please print)	E-mail Address/Phone (please print)
PHIL RIEBEL		1900 RETREAT RD	—
CHARLES BEASLEY		1895 Mullet Lake	—
PAUL PHIPPS		311 2nd St	—
HENRY LEONARD		2380 Bass Blvd	—
MARIE PHIPPS		311 2nd St	
LYNN CAIN		2020 GREEN CEDAR LN	
JEAN STEIS	" "	SC.	
TUAN HUYNH	SEMINOLE COUNTY ENGINEERING		thuyhn e seminolecountyfl.gov
Owen Reagan	Sem. Co. Roads - Stormwater	177 Bush Loop Sanford 32773	oreagan@ seminolecountyfl.gov
NICHOLAS TROIL	INWOOD	3080 Dovera Drive, Ste. 200 Orlando, FL 32765	ntroil@inwoodinc.com

**Retreat Road Conceptual
Drainage Improvements**
between Mullet Lake Park Road and Bandit Way

Public Information Meeting
Thursday, January 23, 2020
6:30 - 8:30 p.m.

Sign-In Sheet

Name (please print)	Organization (please print)	Mailing Address (please print)	E-mail Address/Phone (please print)
MAE Phipps		311 Second St. Geneva	407-782-1690
Christopher & Mary Chaudoin		171 Church St. Geneva 32732	C.Chaudoin46@gmail 407/697/5958
Alyssa & Dylan Lennon		1655 Retreat Rd. Geneva, FL 32732	alyssa.alex@gmail.com
Kendall & Joshua Chaudoin		1901 Retreat Rd Geneva FL 32732	
Sandra Klauk		2155 Retreat Rd Geneva FL 32732	
Robert Heckman		10 Box 722 Geneva 32732	
Michelle Bernstein		2075 Retreat Rd Geneva	
Cecil & Janel Crews		1179 Retreat Rd Geneva FL	
Joshua Spence	Inwood Consulting Engineers	3000 Dorena Drive, Ste 200 Oviedo, FL 32765	jspence@inwoodinc.com 407.971.8850
Steve Sommerfeldt	"	"	ssommerfeldt@inwoodinc.com 407-971-8850

Project Information Meeting



Retreat Road

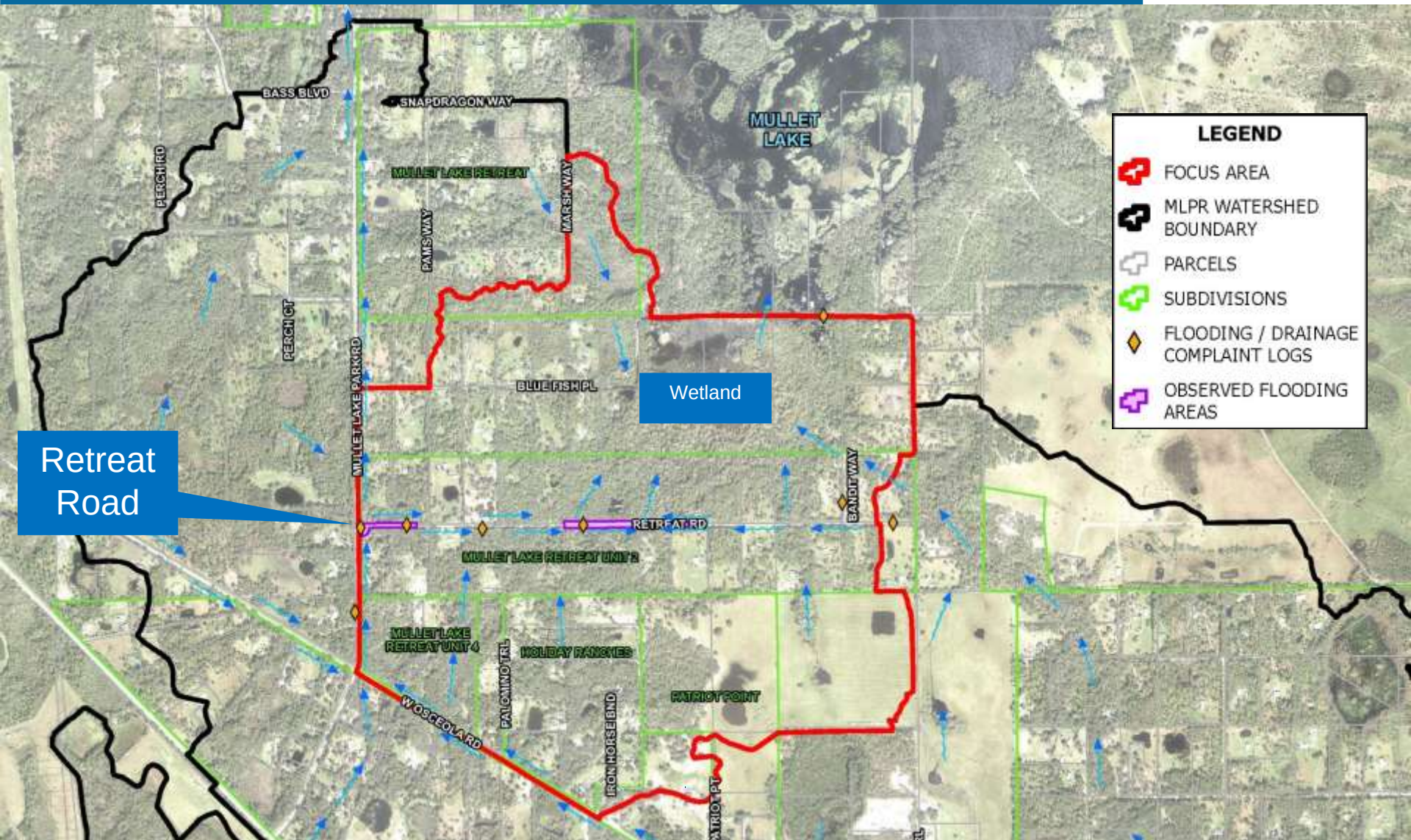
Conceptual Drainage Improvements Between Mullet Lake Park Road & Bandit Way



Seminole County, Florida
Thursday, January 23, 2020
From 6:30pm to 8:30pm
Meeting Location:

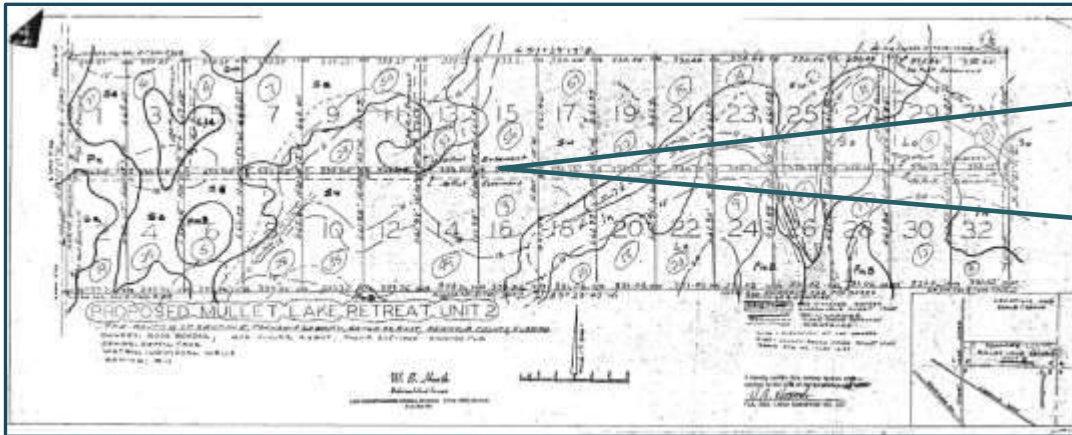
Community Church of God
695 Cochran Road, Geneva, FL. 32732

Project Location



Area Overview

- Reoccurring Flooding along Retreat Road
- Retreat Road is a Private Dirt Road (~0.9 miles)
 - Per Unrecorded Plat for Mullet Lake Retreat Unit 2, 2-30' wide private easements for roads, drainage, and utilities
 - Plat has a note indicating area is “Flood Prone”

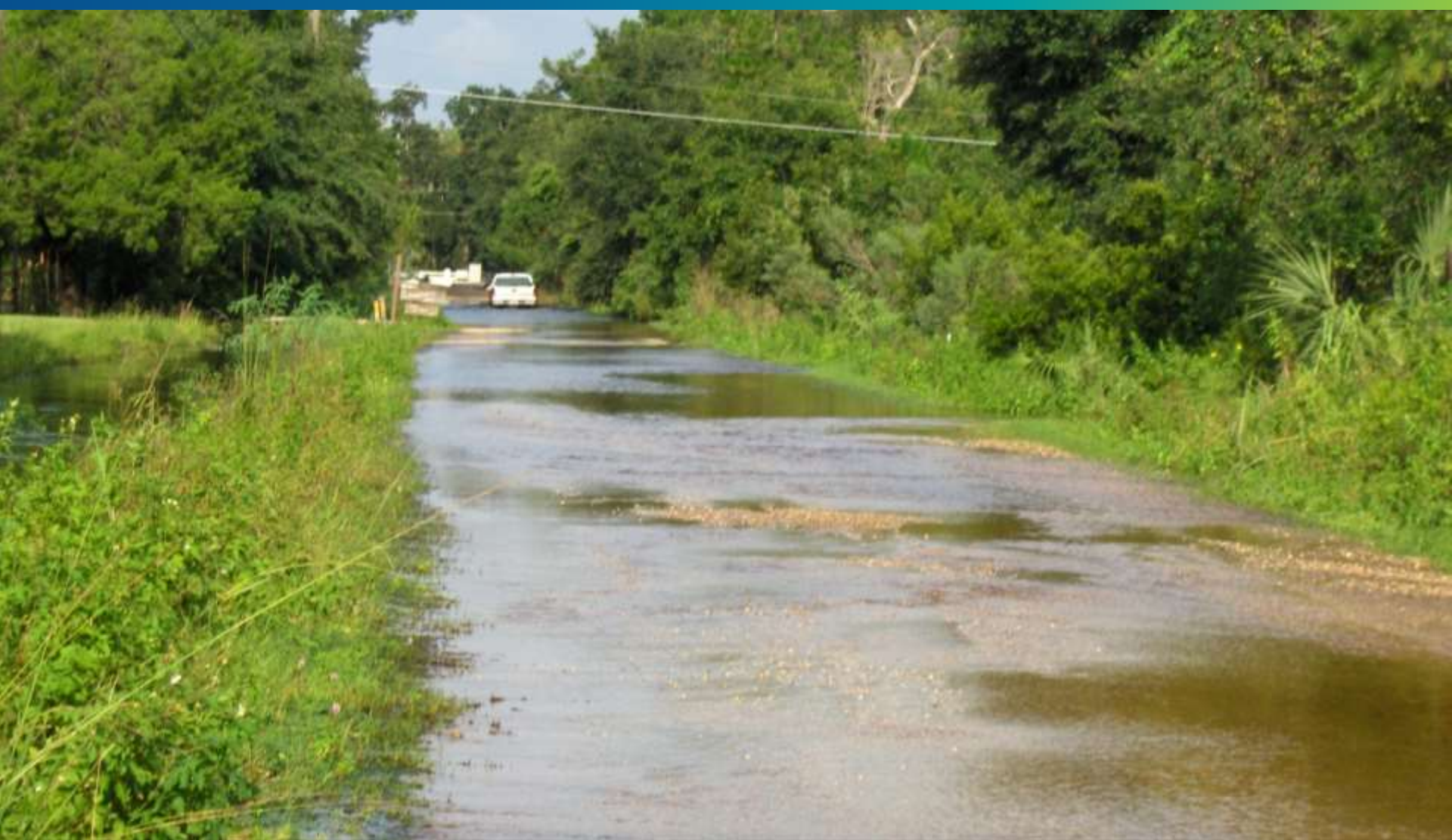


Project Photo



Retreat Road near Mullet Lake Park Road, Facing East – Hurricane Irma, 2017

Project Photo



Retreat Road near Mullet Lake Park Road, Facing West - Hurricane Irene, 2011

Project Video



Retreat Road just West of Wetland area, Facing West - Hurricane Irma, 2017

Project Goals



- Project Goals
 - Confirm Flooding Along Retreat Road with Engineering
 - Evaluate Conceptual Drainage Improvements to reduce flooding of Retreat Road
 - Collect Input from Property Owners
- FEMA Hazard Mitigation Grant Program
 - County obtained Grant Funding to help pay for Improvements
 - Very Stringent Deadlines associated with the Grant

Study Parameters & Outcome

- Retreat Road
 - Private Dirt Road (60' private easement)
 - Maintained by Mullet Lake Retreat (Unit 2) residents
 - Receives stormwater runoff from a large upstream area (~1,400 acres or 2 square-miles)
 - Historically prone to flooding
- Study Confirmed
 - Flooding of the road occurs starting at the mean annual (2.33-yr / 24-hr) design storm event
 - Prevents Residents from Accessing Property
 - Prevents / Limits Emergency Service Access
 - Causes Road Washouts / Increased Maintenance



Study Parameters & Outcome



- Improvement Criteria

- Evaluate improvements that will protect Retreat Road from flooding during the 10-year / 24-hour design storm event (6.8 inches / 24-hours). For reference, Hurricane Irma (9/2017) = ~18" of rain in 3-days.
- Permittable. Can not cause increases in peak stages or discharge flows
- Minimize impacts to private property

- Improvement Concepts

- 3 Concepts Developed
- 1 w/ No property acquisition - reduces flooding along Retreat Road up to the Mean Annual storm event (5.3 inches / 24-hours)
- 2 w/ Property Acquisition - reduce flooding along Retreat Road up to the 10-year/24-hour storm event (6.8 inches / 24-hours)

Concept Alternative 1

Estimated Construction
Cost: \$540,000

Protects Retreat Road
for mean annual storm
(5.3")

May not be permissible
(Per SJRWMD Meeting)

FEMA
100-year
Floodplain

Wetland
(ultimate
discharge to St.
Johns River

2150

1900

1800

1600

2335

2075

1901

1705

Raise Ditch Bank ~1 ft.
and Install Drainage
Structure to Control
Flow towards Retreat
Road

Regrade Drainage
Ditches, Increase
Existing Culvert Sizes

LEGEND

PROPOSED STRUCTURES

- CONTROL STRUCTURE
- ENDWALL
- MES
- PIPE
- DITCH
- PROPOSED BANK REGRADING

PARCELS

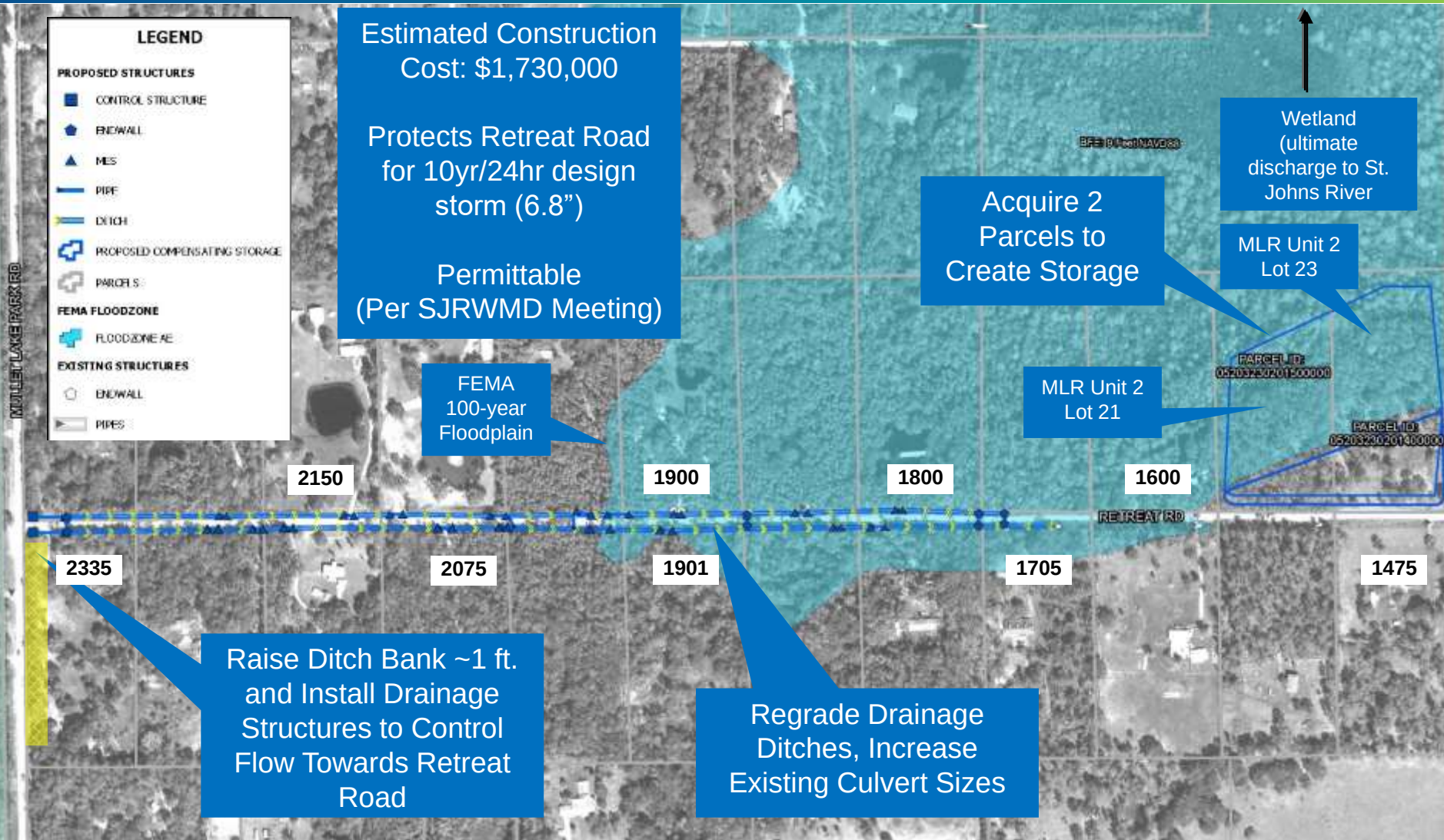
FEMA FLOODZONE

- FLOODZONE A
- FLOODZONE AE

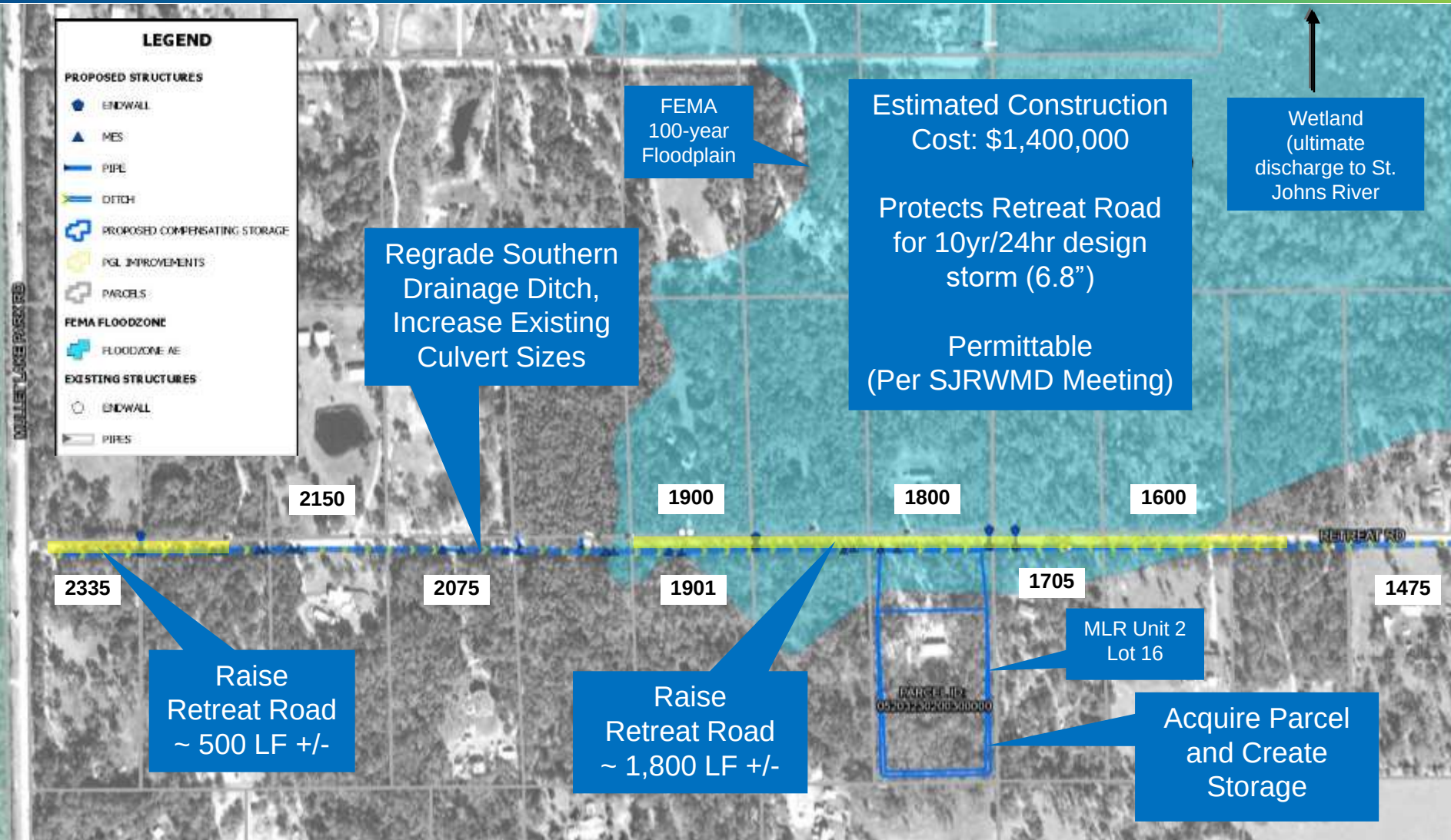
EXISTING STRUCTURES

- ENDWALL
- PIPES

Concept Alternative 2



Concept Alternative 3



Concept Alternatives Summary

Concept Alternative	Description	Estimated Construction Cost	Frontage Properties	Property Acquisition	Retreat Road Level of Flood Protection	Permittable
1	- Raise Mullet Lake Park Road Ditch Bank ~1 ft. - Upsize Retreat Road drainage ditches and culverts	\$540,000	18	No	MA-yr / 24-hr	No
2	- Raise Mullet Lake Park Road Ditch Bank ~1 ft. - Upsize Retreat Road drainage ditches and culverts - Acquisition of 2 private properties on north side of Retreat Road to construction stormwater storage (pond)	\$1,730,000	18	Yes	10-yr / 24-hr	Yes
3	- Raise Retreat Road in most Flood Prone Areas - Upsize Retreat Road drainage ditches and culverts - Acquisition of 1 private property on south side of Retreat Road to construction stormwater storage (pond)	\$1,400,000	20	Yes	10-yr / 24-hr	Yes

What Now?

- Property Owners

- All impacted property owners have to agree on the concept and allow the County access during construction.
- Solutions involve property acquisition for storing stormwater. Will need owner's acceptance and cooperation with acquisition.
- Property owners will need to agree to maintain the improvements after construction. No Modifications Allowed!

- County

- County to hire consultant to design and permit the selected concept improvements (FEMA Hazard Mitigation Grant Program deadline May 31, 2020).
- County to hire contractor to construct the improvements (estimate 11 months to select contractor and construction).

Preliminary Project Schedule

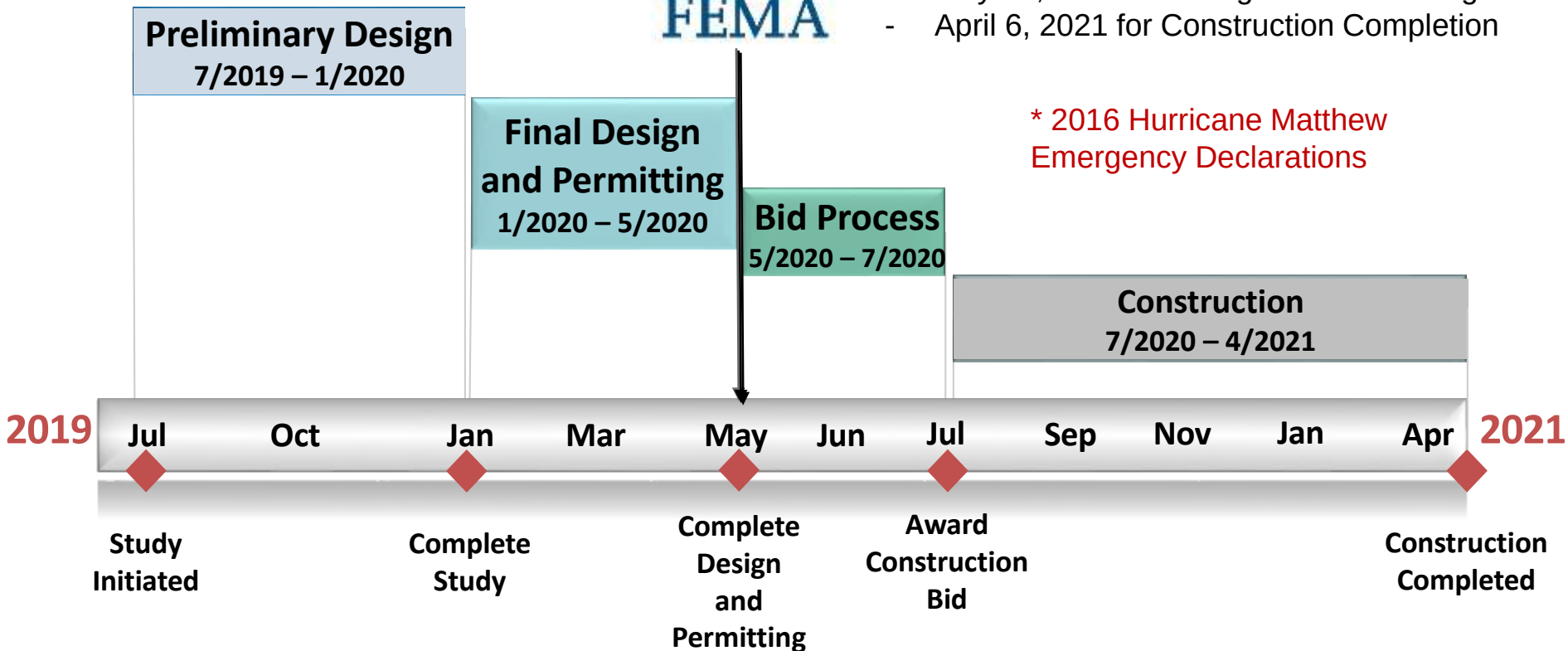


FEMA

Grant Funding Deadlines:

- May 31, 2020 for Design and Permitting
- April 6, 2021 for Construction Completion

* 2016 Hurricane Matthew
Emergency Declarations



Questions / Comments

- Speak directly to a team member tonight
- Submit the completed Easement Request Letter previously mailed out to all Property Owners along Retreat Road
- Fill out a Public Comment Form and drop it in the comment box
- Email your comments to Tuan Huynh at **THuynh@SeminoleCountyFL.gov**
- Need your feedback ASAP!



SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

Retreat Road Conceptual Drainage Improvements
Between Mullet Lake Park Road and Bandit Way

Public Comment Form

Name: _____ Phone: _____

SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

Engineering Division
100 E. 1st Street
Sarasota, Florida 34231
813-555-5674

January 10, 2020

SUBJECT: Mullet Lake Park Road and Retreat Road Drainage Study Easements on Retreat Road (private road)

Dear Property Owner:

Seminole County Engineering Division has hired Inwood Consulting Engineers to complete a drainage study to resolve flooding issues on Retreat Road just east of Mullet Lake Park Road (MLPR). Retreat Road is a private road within the subdivision named "Mullet Lake Retreat Unit 2, 5 Acres Development". The last major flooding occurred during Hurricane Irma in September 2017. Inwood has completed a drainage study report in December 2019. The report provided three (3) alternatives to alleviate flooding on Retreat Road. The alternatives goal is to provide a minimum Level-of-Service (LOS) so that Retreat Road can be accessible during the 10-year/24-hour storm (5.9" of rainfall in 24 hours).

However, the County needs easements from property owners on Retreat Road (private) to proceed to the next phase for design, permitting, and construction.

Please check below whether the property owner with vested interest will or will not convey an easement to the County. The easement does not grant ownership or maintenance responsibility of the roadway to the County. Retreat Road will remain private and property owners are still responsible for the maintenance and accessibility of the roadway. But the easement will allow the County to construct the proposed drainage improvements or make drainage emergency repairs after the construction is completed. **Please return this letter by January 31, 2020 with your name, address, and signature to the address listed above attention to Tuan Huynh.**

Please check one: Will convey easement ☐ Will not convey easement ☐

Property Owner(s) Name: _____

Property Owner(s) Address: _____

Property Owner(s) Signature: _____

Sincerely,
Tuan Huynh, P.E.
Tuan Huynh
Professional Engineer

in Room 1 to 2nd Floor

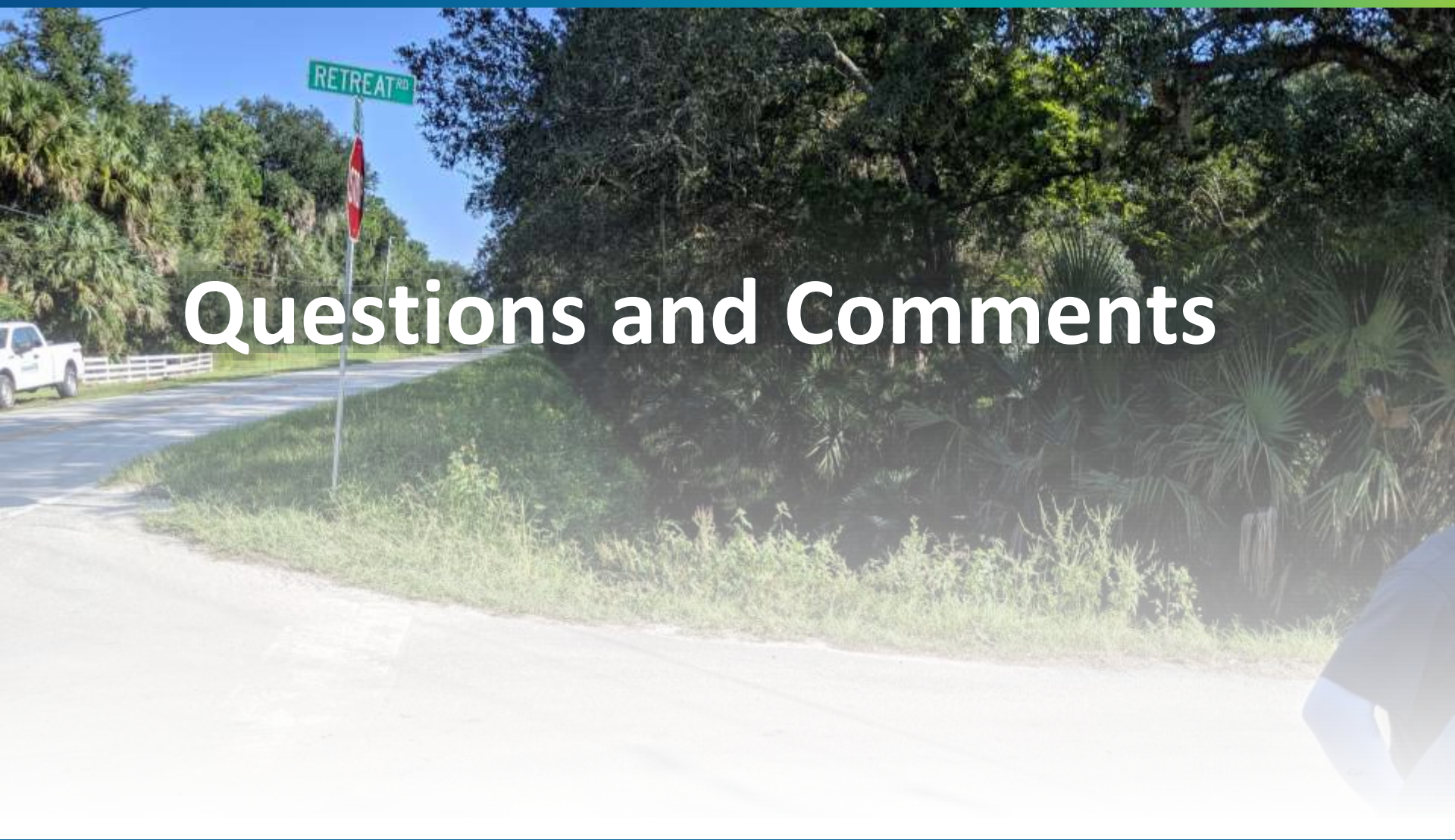
Meeting 16, 2020 9:00 p.m. 1st Center N. CR 426 100 32732

Project Information Meeting



Tuan Huynh, PE
**Public Works Department/
Engineering Division**
Seminole County Government
100 E 1st Street
Sanford, Florida 32771
407-665-5753
THuynh@seminolecountyfl.gov

Project Information Meeting



Questions and Comments

APPENDIX H

ELECTRONIC DELIVERABLES (DVD)

Prepared for:



**PIRI TO WORKS
ENGINEERING
DIVISION**

Prepared by:

