



Lee County
Southwest Florida

DIVISION OF NATURAL RESOURCES

**FINAL
POST STORM FLOOD ASSESSMENT
ANALYSIS**

FOR

**Bayshore Creek Watershed
Nalle Grade Road
Popash Creek Watershed
Strouds Creek Watershed
Whiskey Creek Watershed**

FEBRUARY 28, 2018

Prepared By:



POST STORM FLOOD ASSESSMENT ANALYSIS

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Lee County Post Storm Flood Assessment

1. EXECUTIVE SUMMARY

INTRODUCTION

Several areas were flooded due to rainstorms in late August, 2017 and Hurricane Irma in September, 2017. Lee County (County) wanted to know the reasons for flooding and to point out areas that need further analysis. During this phase, Hole Montes (HM) determined what can be done in the short term to improve drainage and flood carrying capacity.

The study areas for HM include, in North Fort Myers; Bayshore Creek, Popash Creek, Strouds Creek and, Nalle Grade Road and in the Whiskey Creek Watershed; Canal "L", The Villas and Pinelakes.

This preliminary assessment of flooded areas involved cursory review of current water management plans, extensive field inspections and collecting of anecdotal information about flooding. Work included field location and mapping of impediments to flow, identifying drainage structures and pathways, evaluation of high water marks and other data sources necessary to help identify immediate and near term improvements to help alleviate flooding conditions.

This report includes a narrative summary of the findings by each study area including immediate work items that need to be accomplished to alleviate or minimize future flooding.

In the back of each study section in the report, it identifies potential work items found that require further investigation and research or list major projects that could alleviate future flooding impacts.

Rainfall Event and Flooding Impacts:

Historically, the month of August encounters the highest average monthly rainfall for the year. Based on rain gauge data at Page Field, the average August monthly rainfall is 10.14". After August, the monthly rainfall starts to diminish with the average monthly rainfall being 8.31" for September.

The following table illustrates the rainfall totals experienced in this study area for August – September, 2017:

EXECUTIVE SUMMARY

RAIN GAUGE	STORM EVENT DATES	72 HOUR RAINFALL	TOTAL FOR THE MONTH
Page Field	8/25/17-8/27/17	11.48"	17.03"
Popash Creek @ Nalle Grade	8/25/17-8/27/17	6.51"	13.13"
Page Field	9/9/17-9/11/17	11.04"	18.64"
Popash Creek @ Nalle Grade	9/9/17-9/11/17	3.61"	9.52"

The 3-day/72-hour rainfall event totals during the storm, from August 25th thru August 27th, were significant and the actual monthly August total rainfall far exceeded the average monthly historically accumulation.

Most areas of the County had storm water elevations staged at high levels in canals, creeks and conveyance ditches which enabled the County to mobilize and perform maintenance work. Additionally, due to the short time frame between the two storm events, the flooding from Hurricane Irma could have been exasperated from the August storm by downed trees, debris, siltation or flooded drainage structures.

Field Investigation:

Field investigation of the 5 study areas commenced in early November, 2017 and primarily, as you would call it , 'boots on the ground', to walk the main creek/canals/tributaries of the watershed. Observations included: Debris, vegetation, sediment, damaged structures or other impediments to storm water flow. Each data I.D. Point included observation of that area, data collected and photos included in the County's GIS data base.

The days following Hurricane Irma, the County obtained and documented high water elevations encountered in various areas around the County and was included in the GIS data base. During the process of the field work and communication with the public, other high water marks were pointed out and obtained and entered with the data I.D. Points.

Public Contact:

During the process of preliminary investigation, various residents and members of the public were contacted for historical information about their experience during the late summer rain events and

Hurricane Irma. An explanation of the process and information summaries are outlined in Section 8 of this report.

Data Point Spreadsheet and Prioritization:

Section 7 of the report, includes spreadsheets that list all GIS Data I.D. Points located during the period of investigation. The information includes Findings, Observation, Location and Nearest Street Address. I.D. Points are in order of priority for recommending field work/maintenance found in this reports.

The prioritization, order of work and sequencing was evaluated based on the most flooded areas and homes with storm water intrusion. In our study area, the Whiskey Creek Watershed, in particular The Villas and Pinelake areas had many homes with reported flooding. Based on this, the work items in Canal L and the Brantley/Dover Canals received highest priority. These two conveyances are the main drainage outfalls for the area south of page Field and north of Daniels Boulevard, and from Ten Mile Canal, west to U.S. 41.

The rural areas of North Fort Myers experienced storm water sheet flow and staged high water that caused roadway flooding and impeded access to residents. There were many instances reported of storm water in garages and barns; however, very few reports of flooding in homes. Based on this, the lower reaches of Bayshore Creek, Popash Creek and Strouds Creek were prioritized next. As sequential work progress upstream of each creek, the upper reaches will start to benefit.

Lastly, since Nalle Grade Road is located at the northern portion of Bayshore Creek and Popash Creek the work items receive lower prioritization since the downstream maintenance needed to be accomplished first.

Lee County Post Storm Flood Assessment

2. Bayshore Creek Watershed

Bayshore Creek ends at the Caloosahatchee River and connects to other watersheds at Nalle Grade Road. The creek was evaluated based on debris, vegetation and overall condition caused by the recent flooding events. Once the creek has been assessed, an outline of possible flooding issues with immediate fixes to address the issues will be summarized to prevent flooding in future rainfall events. This report will navigate from the South and upstream until Nalle Grade Road.

Bayshore Road and Park 78 Drive

- The area south of the gas station from here was very flat and open as the creek traveled through the pasture. Some minor overhanging vegetation occurred but overall very open. South of the FPL easement was over grown and inaccessible via foot.

Immediate Work Items:

- 1,200 lineal feet of vegetation to clear.

Further Investigations

- South of the FPL easement until the Caloosahatchee River requires assessment by other means of foot to verify no damage.



Looking south just before access was lost by foot.

*Data Point 188 Lat: 26.70985 Long: -81.81587

Driveway between Tressel Road and Park 78 Drive on Bayshore

- A driveway bridge crossing showed signs of flooding. The bridge way was clear but looking both up and downstream appeared to be over grown with vegetation.

Immediate Work Items:

- 1,000 lineal feet of vegetation clearing.

Further Investigations

- Once upstream and downstream are cleared, evaluate the difference in flow allowed.



Picture shown is looking west of the driveway being clear of debris.

*Data Point 173 Lat: 26.71338 Long: -81.81967



Overgrown vegetation that will conflict with flood water levels looking west.

*Data Point 172 Lat: 26.71338 Long: -81.8196

Bayshore Road Crossing

- The box culverts allowing water to flow downstream under Bayshore Road appeared to be clear of major debris. Downstream showed signs of a definite creek clear of debris.

Immediate Work Items:

- 500 lineal feet of vegetation to clear.

Further Investigations

- No further investigations are required at this section.



Clear box culverts under Bayshore Road looking north.
*Data Point 1494 Lat: 26.71478 Long: -81.8217



South culvert of Bayshore Road looking downstream.
*Data Point 1495 Lat: 26.71478 Long: -81.8217



Picture is taken at the north culvert of Bayshore Road looking upstream.*Data Point 192 Lat: 26.71478 Long: -81.8217

Bayshore Creek at 8245 West Jamestown Circle

- Hole Montes, Inc. spoke with the resident at this address. Although the resident did not stay during the flooding events, neighbors said that the water approached Jamestown Circle Road but never topped it. Also water levels rose to the house but not into the houses. Conditions of the creek from the resident's back yard are clear for high and low water conditions.

Immediate Work Items:

- No immediate work items in this section.

Further Investigations

- Upstream from this point was inaccessible via foot and should be observed to ensure optimum flow conditions.



Clear conditions of Bayshore Creek looking south.

*Data Point 194 Lat: 26.71876 Long: -81.82204

Bayshore Creek at 17610 East Street

- The company at this location allowed us to walk the property back to the creek for observation. The site was designed to handle excess water and did not flood the property; although beyond the property, undeveloped lands showed signs of high water erosion and heavy overgrown vegetation.

Immediate Work Items:

- 1,600 lineal feet of debris/vegetation removal.

Further Investigations

- Once the vegetation is cleared downstream, flows should be evaluated to see if flows have increased.



Overgrown vegetation on Bayshore Creek looking upstream. *Data Point 197 Lat: 26.72087 Long: -81.8229



Overgrown vegetation on Bayshore Creek looking downstream.

*Data Point 197 Lat: 26.72087 Long: -81.82293

Bayshore Creek at I-75 crossing

- The crossing at I-75 only contained a minor amount of debris. Upstream and downstream views appear to be clear. One of the southern culverts was restricting low flow due to sediment build up at the end of the culvert and overgrowth of vegetation.

Immediate Work Items:

- To clear the vegetation and sediment blocking the roadway culvert.

Further Investigations

- No further investigations required in this section.



Southern culvert outlet showing 50% blockage due to overgrowth and sediment build up at I-75.
*Data Point 1526 Lat: 26.72235 Long: -81.82409



Northern culvert holding debris at I-75.
*Data Point 1525 Lat: 26.72235 Long: -81.82409



This picture is looking north upstream and showing clear conditions.
*Data Point 1525 Lat: 26.72235 Long: -81.82409

Bayshore Creek at Leetana Road crossing

- The creek up and downstream views are clear of debris and vegetation. Although, some debris was collected at the culvert and chocking the optimal flow conditions.

Immediate Work Items:

- To clear the debris blocking the roadway culvert.

Further Investigations

- No further investigations required in this section.



Debris under the road crosses culverts.
*Data Point 1497 Lat: 26.7255 Long: -81.8249

Bayshore Creek at 8145 Boonesboro Road

- The creek was assessed as far as possible. It had clear conditions until it passed a retention lake. Evaluation was inaccessible from this point upstream.

Immediate Work Items:

- 750 lineal feet of debris and vegetation removal.

Further Investigations:

- Once the vegetation is cleared, downstream flows should be evaluated to see if they have increased.



Picture shown is looking north behind
Boonesboro Road

*Data Point 206 Lat: 26.7278 Long: -81.8251

Bayshore Creek along Hunters Glen Road

- Conditions along Hunters Glen Road were in moderate shape. Although there was over hanging vegetation, only minor debris would impact flow conditions.

Immediate Work Items:

- No immediate work items required in this section.

Further Investigations:

- No further investigations required in this section.



The picture is looking south of Bayshore Creek. *Data Point 211 Lat: 26.731 Long: -81.8256

Bayshore Creek at Pritchett Parkway Crossing

- The creek up and downstream views are clear of debris and vegetation. Although, some debris was collected at a gate at the road culvert's north side and choking the optimal flow conditions.

Immediate Work Items:

- Inquire about whose gate it is and remove the debris.

Further Investigations:

- If the gate is required, find an alternative solution so that it doesn't collect debris and block the flow path.



Gate with debris blocking flows at Pritchett Parkway. *Data Point 1499 Lat: 26.7638 Long: -81.8247

Bayshore Creek at Rich Road crossing

- The crossing at Rich Road contained 3 CMP. Although the CMP's were in good condition, a fence on the south side of the crossing was holding a lot of debris. In addition to this, the north side of the crossing was overgrown with vegetation also restricting flow.

Immediate Work Items:

- Replace fence on the south side of the crossing.
- 500 lineal feet of vegetation removal.

Further Investigations:

- At Dosonte Lane (two road crossings north), there are clear conditions of what this crossing should represent.



The picture is showing the south side of Rich Road crossing. *Data Point 212 Lat: 26.7389 Long: -81.8228



The picture shown is looking north on the north side of Rich Road crossing. *Data Point 215 Lat: 26.7389 Long: -81.8228

Bayshore Creek at Henderson Grade crossing

- The cross culverts at this section are in poor conditions. The RCP is in full working condition but the four excess flow CMP's are serving minimal purpose. The north side of this crossing was heavily overgrown with vegetation and effecting flow patterns.

Immediate Work Items:

- 500 lineal feet of vegetation removal.
- Replace the 4 CMP's with a more effective pipe.

Further Investigations:

- At Dosonte Lane (the next road crossing north), there are clear conditions of what this crossing should represent.



This picture is looking north on the south side of Henderson Grade. *Data Point 219 Lat: 26.7426 Long: -81.8186



This picture is looking north on the north side of Henderson grade showing the overgrown vegetation.
*Data Point 216 Lat: 26.7426 Long: -81.8186

Bayshore Creek through Nalle Grade Park

- The creek was inspected going through Nalle Grade Park. The conditions of the creek were clear and ideal. Hole Montes, Inc. spoke with a park representative and he said that the only issue that occurred during the past events happened at the entrance where Bayshore Creek reaches Nalle Grade Road. No flooding occurred throughout the park. Please refer to Nalle Grade Road report for this section's assessment.

Immediate Work Items:

- No immediate work items.

Further Investigations:

- No further investigations required.



Shown are the typical clear conditions of Nalle Grade Park. *Data Point 226 Lat: 26.7524 Long: -81.8186

Creek Segment Discussion

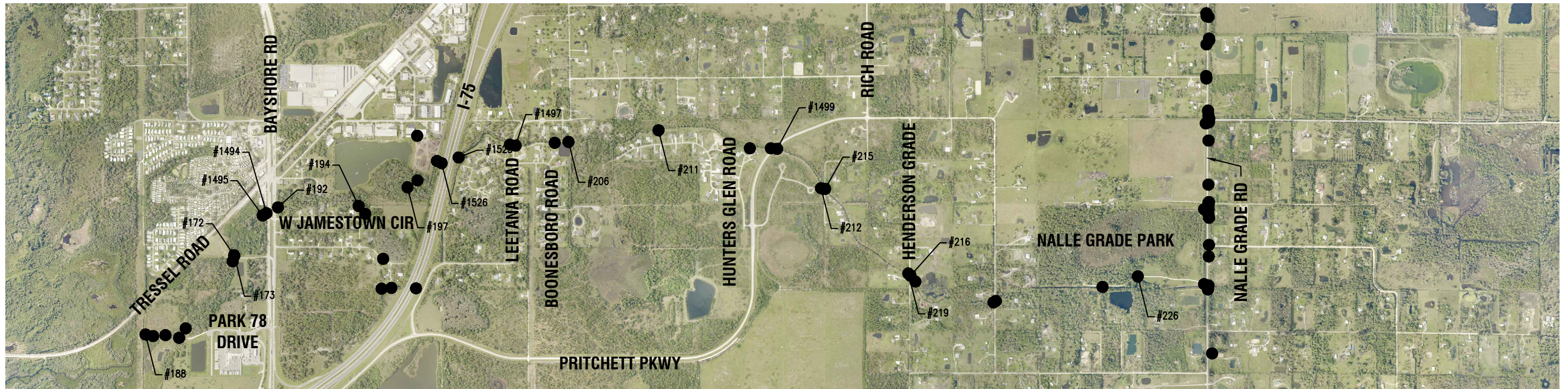
As an overview of Bayshore Creek, the creek as a whole was in operating conditions. There are some areas that require maintenance work and some clearing due to the flooding issues. The areas of most concern are the undeveloped lands. These lands are not maintained and overgrown, which is causing disruption to the flow. Once the vegetation has been reduced there should be no obstruction throughout the creek allowing water to flow freely.

Bayshore Creek Watershed Potential Projects

1. Replace all fence crossings with a more efficient fence that allows water to pass without collecting debris.
2. Replace and upsize road crossing culverts, which require it, so they may allow low flow to pass and dry out the northern parts of North Fort Myers.
3. Remove overgrown vegetation throughout the creek. Once the vegetation has been handled allow a program to annually maintain the creek so that overgrowth doesn't occur again.



0 200 400 800
1 INCH = 800 FEET



LEGEND:

- #000 INDICATES SPECIFIC ID POINTS
- INDICATES AN OBSERVATION ID POINT OF INSPECTION, DATA COLLECTED OR WORK ITEM.

H:\2017\2017071\DATA\MASTER\AN\HM_MASTER_20160109_Topo.dwg Tol: BAYSHORE Feb 28, 2018 - 11:38am

LETTER	REVISIONS	DATE

Flood Analysis
LEE COUNTY, FLORIDA

DESIGNED BY RLM	DATE 1/15/18
DRAWN BY JB	DATE 1/15/18
CHECKED BY RLM	DATE 1/15/18
VERTICAL SCALE N/A	HORIZONTAL SCALE 1" = 800'



6200 Whiskey Creek Drive
Fort Myers, FL. 33919
Phone: (239) 985-1200
Florida Certificate of
Authorization No.1772

BAYSHORE CREEK

CAD FILE NAME: 2017071	DRAWING NO.: 0000-00
PROJECT NO.: 17.071	SHEET NO.: 2a

LEE COUNTY POST STORM FLOOD ASSESSMENT

3. NALLE GRADE ROAD WATERSHED

The main ditches on the North and South sides of Nalle Grade Road were to be field verified of debris, damage and overall condition caused by the recent flooding. Once the roadway has been assessed, an outline of possible flooding issues with immediate fixes to address the issues will be summarized to prevent flooding in future rainfall events. This report will navigate from the West end of Nalle Grade Road to the East, until Nalle Road.

Nalle Grade Road and Meadow Lane Road

- This section doesn't show signs of heavy blockage of debris. There is some sediment build up in the driveway culverts. The outfall into Daughtrey's Creek is vegetated with minor overgrowth.

Immediate Work Items:

- Maintenance is required to clear over growth at the West ditch access to Daughtrey's Creek.
- 150 lineal feet of driveway culverts to be cleared of sediment build up.
- 3 driveway culverts require replacement.

Further Investigations

- All the flows from the North at this point travel to Nalle Grade Road and make their way to Daughtrey's Creek. If a westerly pathway was available, it may help prevent flooding in this area.



Typical driveway culvert partially filled with sediment in poor conditions.

*Data Point 299 Lat: 26.7553 Long:-81.8560

Nalle Grade Road at Daughtrey's Creek Crossing

The bridge way was clear of debris. There was no incoming flow from the northwest canal but it did have standing water. Flow from the Northeast creek was slow but was consistently moving downstream.

Immediate Work Items:

- Clearing is required at the Northwest ditch access.

Further Investigation

- Downstream of Daughtrey's Creek was not assessed and should be to ensure a clear flow route.



Looking North on Daughtrey's Creek Bridge.
*Data Point 219 Lat: 26.7553 Long:-81.8514



From North looking South under Daughtrey's Creek Bridge.
*Data Point 219 Lat: 26.7553 Long:-81.8514



From Daughtrey's Creek Bridge looking South downstream.
*Data Point 1533 Lat: 26.7553 Long:-81.8514

Driveway access North of Nalle Grade Road and Slater Road

- We spoke with a resident, at 6501 Nalle Grade Road, who lives just upstream of Daughtrey’s Creek crossing in regard to the recent flooding. He stated that it is not uncommon for the area to flood annually. His driveway crossing is undersized and backs up water until it floods over his drive. This occurs every rainy season. He is concerned that if another flooding occurs, the pipes headwall will collapse, bringing access to his property with it. He has seen a 3’ of head difference between the pipes at one given time. Signs of heavy scouring and erosion are present on the downstream side of the driveway culverts.

Immediate Work Items:

- Upsizing the driveway culvert so that the main Daughtrey’s Creek channel may flow freely through and not flood surrounding properties.

Further Investigation

- The area upstream needs to be evaluated to calculate what size pipes will be sufficient.



Lee Co. Aerial of Nalle Grade Road at Daughtrey’s Creek crossing
*Data Point 2084 Lat: 26.7553 Long:-81.8514



Looking North at resident’s driveway access.
*Data Point 2084 Lat: 26.7568 Long:-81.8503



This view is looking South of resident's driveway access.

*Data Point 2084 Lat: 26.7568 Long:-81.8503

Nalle Grade Road from Slater Road to Pearce Street

- The sediment inside the culverts requires clearing. Some build up exceeds 50% of the pipe along the north ditch. This build up chokes access between the main creeks. There was no incoming flow at the time of inspection. The north ditch remained dry and clear of debris and sediment.

Immediate Work Items:

- 400 lineal feet of sediment removal from driveway culverts.
- Debris removal blocking driveway culverts.

Further Investigation



Road culvert on North side of Nalle Grade Road.

*Data Point 1553 Lat: 26.7555 Long:-81.8423



Road culvert on North side of Nalle Grade Road.

*Data Point 1552 Lat: 26.7555 Long: -81.8420

Nalle Grade Road at East Daughtrey's Creek Crossing

- The east side of Pearce Street is where standing water begins. The road crossing was not accepting flows and was retaining water. This culvert is supposed to be one of a few major crossings along Nalle Grade Road so that flows from the North may make its way to the South. The downstream side of this crossing should drain into East Daughtrey's Creek but instead is backed up in, what appears to be, wetland rather than an established creek.
- Hole Montes, Inc. spoke with the owner at Pearce Street and Nalle Grade Road. He states that once East Daughtrey's Creek stops accepting flow, the ditch has nowhere to go and it floods to his and surrounding property shortly after. Irma was the highest he can recall with water levels peaking at ~3" above Nalle Grade Road.

Immediate Work Items:

- Rip-rap the downstream outlet to prevent future scouring.
- Clearing of the canal to establish a more direct flow path.

Further Investigation

- The downstream of East Daughtrey's Creek was not assessed and will need investigated to understand why it is not accepting any flows.



North side of Nalle Grade Road looking West.
*Data Point 1586 Lat: 26.7555 Long: -81.8350



Drainage of Daughtrey's Creek East Branch south of Nalle Grade Rd
*Data Point 1583 Lat: 26.7555 Long: -81.8350

Nalle Grade Road from Pearce Street to Woodbridge Lane

- Water throughout this section is not being directed in an effective manner. There is no assistance from the south ditch because the north culverts are for high water levels only.

Immediate Work Items:

- 100 lineal feet of sediment removal from driveway culverts.
- Debris removal blocking culverts.

Further Investigation

- Flow is restricted to move only eastward. Some survey elevations could verify if it is elevation issues forcing irregular flow patterns.



North/south culvert not accepting water due to high invert.
*Data Point 1588 Lat:26.7554 Long: -81.8341



Debris build-up restricting flow on Nalle Grade Road.
*Data Point 1014 Lat: 26.7555 Long: -81.8299

Nalle Grade Road and Williams Drive

- This intersection is still providing constant incoming flow from the north. Flow shows signs of splitting flow east and west direction although the westerly driveway culverts contain debris. On the East side of Williams Drive, flow has erosion at end of pipe which created a sediment weir of white sand.

Immediate Work Items:

- 100 lineal feet of sediment removal from driveway culverts.
- Debris removal blocking culverts.
- Rebuild roadway shoulder due to erosion.

Further Investigation

- Assess where the flow is still coming from to see if it is a year round flow or an overflow from somewhere else.



West of intersection at Nalle Grade Rd and Williams Dr.
*Data Point 1763 Lat: 26.7555 Long: -81.8260

Looking West on West side of Nalle Grade Rd and Williams Dr.
*Data Point 1763 Lat: 26.7555 Long: -81.8260



Looking North on West side of Nalle Grade Rd & Williams Dr.
*Data Point 1763 Lat: 26.7555 Long: -81.8260

East side of Nalle Grade Rd & Williams Dr.
*Data Point 849 Lat: 26.7555 Long: -81.8260



Looking East on East side of Nalle Grade Road and Williams Drive.
 *Data Point 849 Lat: 26.7555 Long: -81.8260

East of Williams Road on Nalle Grade Road

- Although pipes and ditch contain only minor debris and vegetation, there was a lot of standing water. We spoke with the resident shortly after this intersection and she claims that during the storm, Nalle Grade Road ditch couldn't handle the flow and the ditch flooded into her entire property and the neighbors behind her.

Immediate Work Items:

- 100 lineal feet of sediment and debris removal from driveway culverts.

Further Investigation

- Once the pipes are cleared, see if the flow increases or if there is more downstream blockage.
- Consider raising the ditch bank so that it is higher than the north-south culvert elevations to remain off of resident property.



Moving East on Nalle Grade Road from Williams Dr. this is the West side of the next driveway culvert.
 *Data Point 1766 Lat: 26.7554 Long: -81.8251



Moving East on Nalle Grade Rd from Williams Dr, this is the East side of the next driveway culvert.
 *Data Point 1766 Lat: 26.7554 Long: -81.8251

Nalle Grade Road and Bowen Road

- This intersection contains 2-24" cross culverts. The culverts conditions were clear of debris and sediment, but the flow was eastward while the pipe slope was westward. There was 9-10" of water flowing East on the west invert while only 3" of water flowing East on the east invert. Also, due to scouring a sediment weir has formed choking the flow of water downstream. Due to erosion and sediment build up, there is no access to drain South at this point.

Immediate Work Items:

- Survey culvert inverts and compare with main watershed access points and other parts of Nalle Grade Road ditch.

Further Investigation

- Check elevations and see if this is the highest point that may cause problems to drying out.



West side of Nalle Grade Road and Bowen Road.

*Data Point 1770 Lat: 26.7554 Long: -81.8221



East side of Nalle Grade Road and Bowen Road.

*Data Point 1771 Lat: 26.7554 Long: -81.8221



Sediment builds up creating a weir on East side of Nalle Grade Road and Bowen Road.

*Data Point 1771 Lat: 26.7554 Long: -81.8221

Nalle Grade Road and westerly Nalle Grade Park access canal

- The southern road culverts have created a scouring hole which has created a buildup of sediment. This combination is not allowing water to flow south through the canal and is forcing it to Bayshore Creek.

Immediate Work Items:

- Survey and check if it's the sediment that is blocking the flow way or if the canal itself is higher than water levels.
- 100 lineal feet of sediment removal from driveway culverts.
- Rebuild the erosion to prevent further erosion issues.
- Add rip-rap to scouring location.

Further Investigation

- Follow the path downstream and evaluate further issues.



South of Nalle Grade Road culvert draining to Nalle Grade Park. Road culvert between Nalle Grade Park &

*Data Point 1773 Lat: 26.7554 Long:-81.8218



Bayshore Creek. *Data Point 1773 Lat: 26.7554 Long:-81.8218



Easterly view before Nalle Grade Park.

*Data Point 1773 Lat: 26.7554 Long:-81.8218

Nalle Grade Road at Bayshore Creek

- Due to high flows severe scouring and erosion at the entrance to Bayshore Creek, a blockage of one pipe and a sediment weir has built. This chokes the flow South. We spoke with a NGP representative and he claimed the water levels were very high and flowing very quickly during Irma but not after the entrance. The flow from the north canal is heavily vegetated.

Immediate Work Items:

- Rebuild creek bank that received erosion.
- Rip-rap at high scouring culverts.
- 50 lineal feet of sediment removal from culverts.
- Debris removal blocking culverts.

Further Investigation

- Check North of Nalle Grade Road at Bayshore Creek to assess canals conditions.



South of Nalle Grade Road culvert to Bayshore Creek looking north. Severe erosion caused at Bayshore Creek
*Data Point 223 Lat: 26.7554 Long: -81.8181



*Data Point 223 Lat: 26.7554 Long: -81.8181



Sediment weir created by the erosion.
*Data Point 223 Lat: 26.7554 Long: -81.8181



Receiving drainage ditch just east of Bayshore Creek access culverts
*Data Point 1785 Lat: 26.7554 Long: -81.8181

Nalle Grade Road East of Bayshore Creek

- East of Bayshore Creek is heavily blocked with dead vegetation. This build up is creating a 'barrier' between main creeks.

Immediate Work Items:

- 1,600 lineal feet of debris removal from driveway culverts and ditch.

Further Investigation

- Once the debris is cleared, check for any sediment build up in the driveway culverts.
- Once the ditch is clear, check the elevations of the ditch and compare with the rest of Nalle Grade Road ditch.



Looking East on the North side of Nalle Grade Road.

*Data Point 1777 Lat: 26.7555 Long: -81.8178

Nalle Grade Road at Popash Creek

- There is incoming flow just west of Popash Creek. Due to build of debris and vegetation West of here towards Bayshore Creek, the incoming flow is forced to move East to Popash Creek. There are rip-rap rock weirs constricting flows from entering both sides of Popash Creek. Downstream of Popash Creek looks clear. High water levels indicate Popash Creek Bridge was not flooded.

Immediate Work Items:

- Adjust the rip-rap access ways to Popash Creek to allow less restrictive flows.

Further Investigation

- Assess downstream of Popash Creek to ensure optimum flow.



From Popash Creek looking South downstream.

*Data Point 1784 Lat:26.7554 Long: -81.8096

Nalle Grade Road and Nalle Road

- Signs of high flow rate at this intersection caused scouring, erosion and sediment build up.

Immediate Work Items:

- The road shoulders need to be addressed before the roadway collapses.
- Rip-rap should be placed at the culverts to prevent scouring which leads to erosion.

Further Investigation



Picture from County looking North at Nalle Grade Road intersection. The NW culvert at Nalle & Nalle Grade Roads.

*Data Point 893 Lat: 26.7554 Long: -81.8017



*Data Point 893 Lat: 26.7554 Long: -81.8017



Received from North & being forced West. Sediment build-up at SE corner of Nalle Rd. & Nalle Grade Rd. intersection

*Data Point 893 Lat: 26.7554 Long: -81.8017

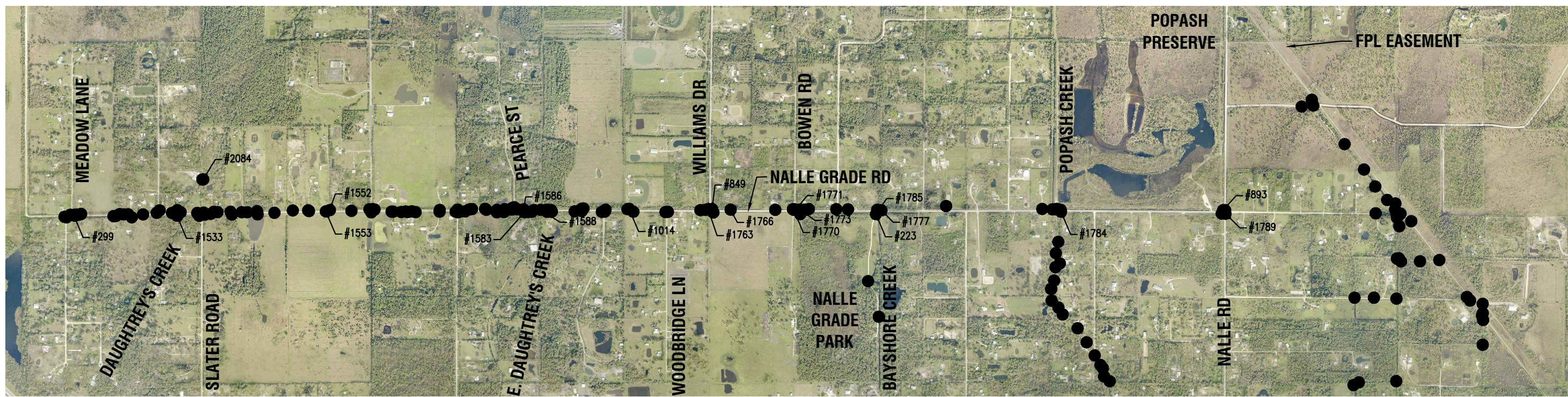
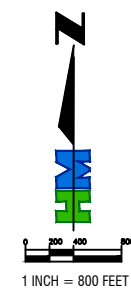
*Data Point 1789 Lat: 26.7554 Long: -81.8017

Creek Segments Discussion

As an overview of Nalle Grade Road, the main concern was that the ditch could not handle directing the storm water to the nearest main creek. Nalle Grade Road was designed to stack the water and let it flow where it needs to flow naturally. Due to debris, sediment and vegetation some of the natural pathways are blocked which forces the water to find the next path; in some cases are residences properties. By clearing the ditch of sediment, debris and vegetation should allow clearer passage to the main channels. Additionally to upsize the culverts and directing them to the nearest creek would allow smaller residence times. The culverts that run west and east directing flows from north to south are insufficiently designed. Due to the amount of water needing directed and the amount of sediment build up the culverts cannot effectively direct water to the nearest creek to drain. By changing the invert during the upsizing and cleaning process this will demonstrate exactly what watersheds go to what creek. In the event of another flooding, the cause of the flooding would be more obvious because the watershed would be more contained.

Nalle Grade Road Potential Projects

1. Replace and upsize road and driveway cross culverts allowing more water to move at a higher rate.
 - a. If the inverts are directed to the nearest creek this will eliminate overflowing a certain creek.
2. Remove overgrown vegetation throughout the creek. Once the vegetation has been handled allow a program to annually maintain the creek so that overgrowth doesn't occur again.
3. The areas that scouring occurred show signs of high flow rates. These areas should have rip-rap added to them so that the sediment that gets washed away does not build up downstream.
4. Areas where erosion has occurred need to be rebuilt for safety purposes.



LEGEND:
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 ● INDICATES AN OBSERVATION ID POINT OF INSPECTION, DATA COLLECTED OR WORK ITEM.

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LETTER	REVISIONS	DATE

Flood Analysis
 LEE COUNTY, FLORIDA

DESIGNED BY RLM	DATE 1/15/18
DRAWN BY JB	DATE 1/15/18
CHECKED BY RLM	DATE 1/15/18
VERTICAL SCALE N/A	HORIZONTAL SCALE 1" = 800'



6200 Whiskey Creek Drive
 Fort Myers, FL. 33919
 Phone: (239) 985-1200
 Florida Certificate of
 Authorization No.1772

NALLE GRADE ROAD

CAD FILE NAME: 2017071	DRAWING NO.: 0000-00
PROJECT NO.: 17.071	SHEET NO.: 3a

Lee County Post Storm Flood Assessment

4. Popash Creek Watershed

The main creek alignment was reviewed to identify blockages in the creek that could contribute to flooding subsequent to the high rain volume events in August, 2017 and Hurricane Irma. The assessment of Popash Creek started at Bayshore Road bridge crossing and continued northerly to Nalle Grade Road. South of the Bayshore Road Bridge, storm water flows into a natural estuary and creek system and finds its way to the Caloosahatchee River.

The major roadway crossings of the creek have been upgraded in previous years and they include: Sedgefield Road, Henderson Grade, Meredith Road and Pine Echo Road. There are multiple barrel box culverts or large multiple concrete pipe crossings.

The reason the alignment assessment ended at Nalle Grade Road was that north of Nalle Grade Road is the Popash Creek Preserve which is 2020 Property which is controlled water management system with a control structure just north of Nalle Grade Road. Also the northerly boundary of the 2020 Property is the Charlotte County line.

We verified that at the very northerly boundary of Popash Creek Preserve, that during high rainfall events storm water can bypass the control system and flow down the west side swale alignment of Nalle Road. Being so, this bypass of storm water contributes to volume of water that follows the alignment swale system of Nalle Road all the way to Bayshore Road and then outfalls into the Strouds Creek system just north of the Bayshore bridge crossing.

Popash Creek Watershed is generally bound by to the east by Nalle Road and the west by Bayshore Creek Watershed boundary. On Nalle Road just south of Maple, there is a natural low area which extends to the east side of Nalle Road with a cross culvert allowing flow from the Strouds Creek Watershed to Popash Creek. Due to the natural low area on the west side of Nalle Road south of Maple, storm water from the north can divert thru this natural low area to the southwest and get to the crossing at Henderson Creek which contributed to flooding.

Storm water that flows south from Charlotte County and reaches Nalle Grade Road during a high water event generally equalizes on the north side of Nalle Grade Road to the multiple watersheds that exist, Popash Creek, Bayshore Creek and Daugherty Creek.

Typical items that contribute to flooding during the storm events include vegetation blockages; downed trees/ debris blocking flowway; abandoned/deteriorated private bridges; fence water gaps and siltation in culverts.

An area of concern for residents of Sedgefield Road is the development under construction referred to as North Brook. It was under construction during Hurricane Irma and the contractor had installed silt fencing along the north line of the construction area, which is generally the south side of Sedgefield Road extension. The SFWMD Permit was reviewed and verified that the proposed berming fill limits was the FEMA established flood zone limits. There is new proposed bridge crossing of the creek just south of Sedgefield Road. It appears that the natural flowway is being observed.

Typical examples of vegetation blocking the creek include an area north of the Pritchett Parkway Bridge and an area just south of Henderson Grade;



*Data point 1414 Lat: 26.716069 Long: 81.809568



*Data point 2158 Lat: 26.740715 Long: 81.804664

Typical examples of debris blocking the creek include an area on the south edge of the Seminole Campground:



*Data point 1397 Lat: 26.718609 Long: 81.811624

And debris blocking the creek is 1,500 ft. south of Sedgefield Road:



*Data point 2182 Lat: 26.732657 Long: 81.807027

Example of erosion is the south inverts for the crossing of Henderson Grade:



*Data point 2186 Lat: 26.742352 Long: 81.804354

Example of a fence water gap crossing north side of Henderson Grade:



*Data point 2236 Lat: 26.742621 Long: 81.804292

An example of sediment that needs to be removed from the creek is at the north end of Meredith Road:



*Data point 2240 Lat: 26.747107 Long: 81.807080

And an area south of Nalle Grade Road:



* Data point 2250 Lat: 26.754089 Long: 81.809551

Examples of old bridge structures that need to be removed or replaced, one located north on Meredith Road:



*Data point 2237 Lat: 26.745611 Long: 81.806952

And an abandoned bridge located just west of Pine Echo Road:



*Data point 2202 Lat: 26.749791 Long: 81.808206

CREEK SEGMENTS DISCUSSION:

Bayshore Road Bridge To CBC at Sedgefield Road:

In this section primarily working includes vegetation and debris removal. There are 2 private structure crossings; one is at the northeast corner of Seminole Campground which is an access crossing to the parking and a private crossing just east of that structure for private use.

Immediate Work Items:

- 200 l.f. of debris and vegetation removal between the bridges.
- Buried headwall and 36" concrete pipe north side of Bayshore Road just on the east side of the creek berm. Clean ditch in the area.
- Start 1,700 l.f. of exotic/debris / vegetation removal on the north side of Pritchett Parkway Bridge
- Modify the bridge abutments or replace the bridge crossing for north of the Seminole Campground and remove the chain link water gap on the east side of the bridge.
- ± 1,100' south of the LCEC easement, start 5,100 l.f. of debris/vegetation removal and end at Sedgefield Road.

Sedgefield Road To Pine Echo Road:

The first 1,300' of creek north of Sedgefield Road has very dense thick exotic infestation and needs extensive work. This section also has locations of sediment removal that needs taken care of. From Meredith Road to Echo Pine Road, some of the private driveways have been upgraded to double box culvert crossings which were a great improvement; however, there are few crossings that need to be removed. Approximately 200' south of the Pine Echo Road box culvert there is an area of the creek that is totally blocked by debris and downed trees.

Immediate Work Items:

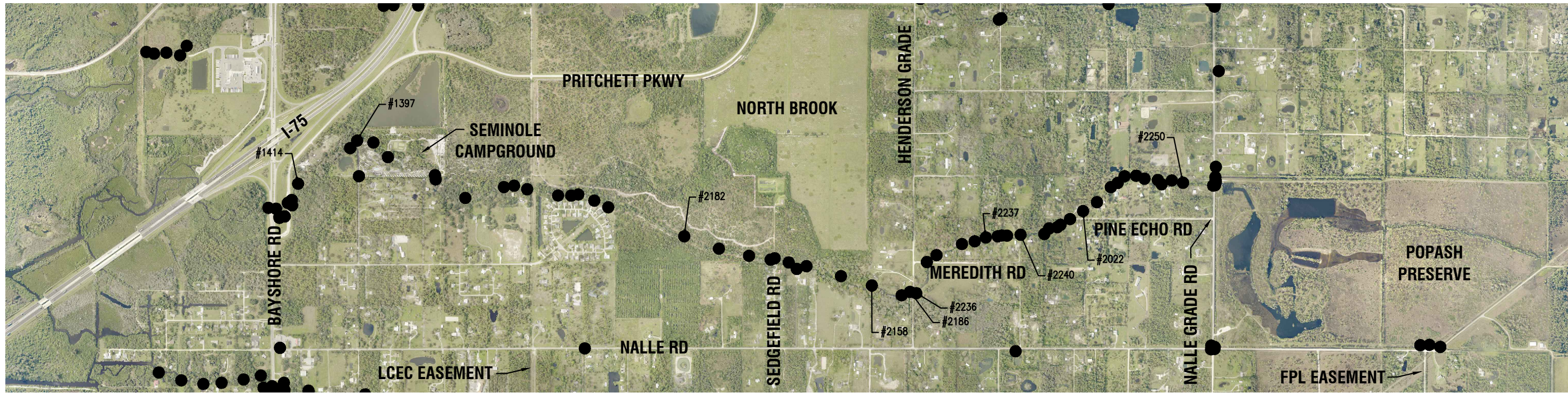
- About 200' north of Sedgefield Road start 2,000 l.f. of debris/vegetation removal and end at Henderson Grade.
- On the south of the culvert crossings on Henderson Grade Road place ± 15 c.y. of 6" to 8" riprap.
- North side of the culvert crossing at Henderson Grade Road remove ± 15 c.y. of sediment and replace water gap.
- At Meredith Road remove ± 5 c.y. sediment at the south pipe crossing on the east end. Replace water gap on east side of Meredith Road. On west side of the culvert crossing excavate bank away from the west pipe inverts to increase the flow access.
- ± 160' northwest of Meredith Road replace the creek water gap
- ± 800' northwest of Meredith Road remove ± 110 c.y. of sediment
- ± 1,000' northwest of Meredith Road remove or replace private bridge crossing
- ± 1,200' northwest of Meredith Road remove ± 250 c.y. of sediment from flow line.
- North of the double box culvert at north end of Meredith Road remove ± 160 c.y. of sediment from the creek flow line.

From Pine Echo Road To Nalle Grade Road:

- There is a fairly new triple barrel concrete box culvert under Pine Echo Road due to the skew of the culvert with the roadway and the flowway width of the box culverts and the cross section of the natural creek, are not equivalent. For example on the west side the creek lines up generally with the northerly barrel of the box. then depending on the amount of flow, it erodes the southern area of the west bank and pictures show evidence of considerable sediment in the box culvert. In the area just northwest of Pine Echo Road there are multiple existing old private bridge crossings some that need to be removed. The one property it appears to be an old recreational mini railroad setup with multiple creek crossings. There are segments of the rails that are taken out therefore it looks like the actual use of the miniature railroad has been abandoned.

Immediate Work Items:

- Triple box barrel concrete box culvert at Pine Echo Road, remove ± 25 c.y. of sediment on the west side and install ± 15 c.y. of riprap slope protection. Middle barrel of the triple box, on the westerly end, needs to be cleaned out of sediment.
- $\pm 200'$ northwest of Pine Echo Road, remove old wood bridge crossing which appears to be abandoned.
- $\pm 550'$ northwest of Pine Echo Road, replace the private wood bridge crossing which narrows the flow section of the creek.
- $\pm 950'$ northwest of Pine Echo Road remove 4 miniature railroad bridge crossings and provide a new creek crossing if the property owner needs access on the west side of the creek.
- $\pm 1,100'$ northwest of Pine Echo Road, start 1,400 l.f. of debris/vegetation removal and end at Nalle Grade Road.
- $\pm 850'$ south of Nalle Grade Road, remove ± 110 c.y. of sediment from creek flow line.
- $\pm 450'$ south of Nalle Grade Road, remove ± 250 c.y. of sediment from creek flow line.



LEGEND:
 #000 INDICATES SPECIFIC ID POINTS
 ● INDICATES AN OBSERVATION ID POINT OF INSPECTION, DATA COLLECTED OR WORK ITEM.

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LETTER	REVISIONS	DATE

Flood Analysis
 LEE COUNTY, FLORIDA

DESIGNED BY RLM	DATE 1/15/18
DRAWN BY JB	DATE 1/15/18
CHECKED BY RLM	DATE 1/15/18
VERTICAL SCALE N/A	HORIZONTAL SCALE 1" = 800'



6200 Whiskey Creek Drive
 Fort Myers, FL. 33919
 Phone: (239) 985-1200
 Florida Certificate of
 Authorization No.1772

POPASH CREEK

CAD FILE NAME: 2017071	DRAWING NO.: 0000-00
PROJECT NO.: 17.071	SHEET NO.: 4a

Lee County Post Storm Flood Assessment

5. Strouds Creek Watershed

The main creek and ditched outfall system was reviewed to identify blockages within the creek that could contribute to flooding. Approximately the southern 70% of the creek is a natural feature with the northern portion being ditched with the flow being diverted from the natural creek alignment. Generally the natural creek ends about 1,400' north of Veronica Blvd. Typical items that created flooding during the storm event was vegetation blockage; downed trees/debris blocking flowways; old or clogged private bridges; blocked culverts; siltation and fence water gaps.

A couple of examples of vegetation blockage is the area just south of the Bayshore Bridge and an area at the end of Veronica Blvd. which is vegetated, also has a fence water gap.



Just south of ROW, looking south.

*Data Point 231 Lat: 26.714822 Long: 81.799753



Looking south from bridge HMW debris

*Data Point 1493 Lat: 26.714938 Long: 81.799895



Looking south on bridge

*Data Point 1493 Lat: 26.714938 Long: 81.799895



Water gap fence in foreground, looking north

*Data Point 661 Lat: 26.740757 Long: 81.796034

Areas of debris blockage primarily have to do with high water volume and downed trees and collection of debris at certain locations.



Flowway blocked with debris, looking south
*Data Point 245 Lat: 26.720708 Long: 81.798975



Debris, looking south
*Data Point 331 Lat: 26.724457N Long: 81.797855

There are multiple private bridge crossings over the creek with debris clogging the flowway.



North side, north bridge, flood debris blocking about half section
*Data Point 171 Lat: 26.718705 Long: 81.799410



2 private bridges looking south
*Data Point 171 Lat: 26.718705 Long: 81.799410



Most southerly of 2 bridges located at 18331 Durrance Road
*Data Point 801 Lat: 26.731179 Long: 81.796640

Example of partially blocked culverts with sediment and debris:



Debris & sediment blocking large diameter pipe
@ 18681 Durrance Rd.



Debris indicating high water elevation

*Data Point 927 Lat: 26.735332 Long: 81.793871

Example of partially blocked culverts with sediment and debris continued:



North side of crossing @ 18571 Durrance Rd.

*Data Point 924 Lat: 26.733847 Long: 81.793949



Water pushed thru under slab

There are a number of locations where there are fences crossing the creek (water gaps). The first one that was encountered was just north of the east/west LCEC easement. The worst case scenario is when the property owner uses hog-wire fence or chain-link fence which catches most of the debris and creates considerable backup. Other crossings utilize barbwire fencing which lets most of the debris pass through.



Fence water gap looking north

*Data Point 244 Lat: 26.726831 Long: 81.798480



Looking south water gap fence debris behind

*Data Point 655 Lat: 26.728356 Long: 81.798988

Based on the review the September 13th flooding aerial photography, it appears that most of the widespread flooding of the Strouds Creek watershed started north of the east/west LCEC easement. North of here is where the water gaps started to be encountered.

One of the issues in providing maintenance in Strouds Creek will be access and also any environmental issues based on the natural features. The creek generally is on private property.

One thing that may have alleviated some of the widespread flooding is the natural gradient fall on the southern portion of Strouds Creek. From approximately the northern side of the wastewater treatment plant

located on Durrance Road, the natural fall is from elevation 15 and to below elevation 5, as the flow line approaches Bayshore Road, which is approximately 10' vertical fall in a mile.

CREEK SEGMENT DISCUSSION:

Caloosahatchee River to North Right-of-Way of Bayshore Road:

- The majority of the creek south of Bayshore Road is clear of debris except for area just south of the bridge. Approximately 450' down the creek is grown up with vegetation and some debris blockage at the southern end.

Immediate Work Items:

- It is recommended that approximately 175' wide x 450' long area (~79,000 sq.ft. or 1.82 ac.) of debris and vegetation removal from the flowway just south of the bridge.

North Right-Of-Way Bayshore Road To The East/West LCEC Easement:

This section has many locations of debris that has formed in the creek that is diminishing flow.

- One area has 2 private wood bridge structures that serve residences that are adjacent to each other. It is recommended that these structures be replaced with one crossing for use to both residences. It is suggested that a Conspan structure be considered for this location.

Immediate Work Items:

- Remove debris at various specific locations through the creek north 2,000 l.f.
- Replace 2 wood structures with 1 Conspan structure. A cross access easement would be required. (Refer to Lee County Storm Water Master Plan)

East/West LCEC Easement To Deal Road:

- North of the LCEC easement is the beginning of the fence crossings of the creek and there are approximately 6 of the fence water gap crossings in this section. Various locations require vegetation and debris removal.

There are multiple bridge and culvert crossings on this section.

- One in particular where there are 2 bridge crossings at the residents address: 18331 Durrance Road. Suggestion is replace the more northerly bridge, which appears more actively used and the southern bridge is deteriorated and currently blocked off.
- A total of 4 bridge replacements south of Deal Road.
- The creek crossings for driveways have transitioned to multiple pipes.
- The 2 most northerly creek crossings are larger in diameter or double ±60" pipe of various conditions. It is recommended that the culvert pipe be cleaned and debris be removed or consider a smaller Conspan structure.

Immediate Work Items:

- Remove vegetation and debris ~1,700 l.f. along the creek.
- Replace 6 water gap crossings.
- Replace 4 bridge and culvert crossings. (Refer to Lee County Storm Water Master Plan)
- Debris and sediment removal at 2 piped creek crossings.

Deal Road North To The End Of The Natural Creek , ~700' South Of Merle Drive:

- Remove debris and sediment from culvert crossing just north of Deal Road.
- Replacement of 4 water gap crossings, with 1 in particular at the end of Veronica Blvd. It is highly vegetated and blocks considerable flow from the north.
- Remove debris and vegetation from approximately 1,300 l.f. of the creek.

Immediate Work Items:

- Replace 4 water gaps
- 40 l.f. large culvert cleaning
- 1,300 l.f. debris and vegetation removal

Approximately 700' South Of Merle Drive To St. Paul Road:

- This area is the beginning of the ditching of north watershed. Initially there is a large channel to a point north of Merle Drive, where there is a 90° bend to the east. This particular area is silted in and clogged with vegetation. Note that this section has four (4) 90° bends in the channel.

Immediate Work Items:

- Vegetation and debris removal from approximately 800 l.f. of the ditch.
- Approximately 450 c.y. of sediment removal.

St. Paul Road to Quail Hollow Road:

- This section is pretty much a north/south ditch that needs to be completely cleaned of exotics and sediment from the flow pattern.

Immediate Work Items:

- Ditch cleaning and vegetation removal 1,400 l.f.
- Replace 2 water gaps

Quail Hollow Road (Northwesterly) To The Pritchett Property Access:

- At this point the ditch outfall turns and parallels the south line of the FPL powerline easement, running northwesterly. The ditch has been constructed on private property. The property owner at the end of Quail Hollow Road, on the north side, said that if the County would clean and maintain the ditching to the south, he would give them the access his property to perform maintenance work.
- There are a couple locations where the ditch that are partially blocked with sediment and needs to be removed.
- Approximately 1,600 l.f. of exotic removal needs to be performed on this section going northwesterly to Pritchett's access road.

Immediate Work Items:

- Approximately 240 c.y. of sediment removal
- 1,600 l.f. of ditch cleaning
- Replace 1 water gap

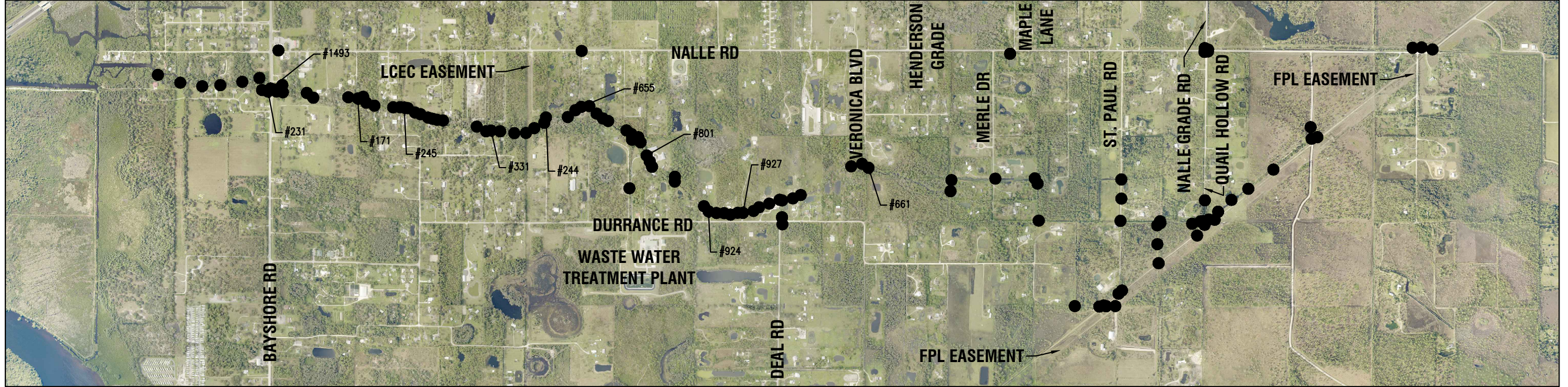
South End Of Nalle Road AT Bayshore Road:

Immediate Work Items:

- Remove sediment and debris from closed pipe system (380 l.f. of 24" x 38" ERCP) including 3 catch basins.

Strouds Creek Watershed Potential Projects

1. Come up with a standard water gap design for replacement programs
2. Review and investigate south end of Nalle Road drainage as it approaches Bayshore Road. The drainage, from north end Nalle Road flows south and goes into the enclosed system to the roadway swale at Bayshore Road.
3. Investigate high flow overflow from Nalle Road to the creek; (i.e. just north of Bayshore Road or utilizing east/west LCEC easement.
4. Block the cross culvert on Nalle Road just south of Maple. This area utilizes a natural low grade (west side) flow area which takes a portion of the drainage from north Nalle Road and flow on the east side, which flow to private property just north of Henderson Grade.
5. Investigate the possibility of incepting and bypassing some of the high flows from the Charlotte County utilizing the southeasterly direction of the wide FPL powerline easement and conveyed to the river. The existing service road generally is a berm, and manipulates, delays, and/or detains the stormwater flow.



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LETTER	REVISIONS	DATE

Flood Analysis
LEE COUNTY, FLORIDA

DESIGNED BY RLM	DATE 1/15/18
DRAWN BY JB	DATE 1/15/18
CHECKED BY RLM	DATE 1/15/18
VERTICAL SCALE N/A	HORIZONTAL SCALE 1" = 800'



6200 Whiskey Creek Drive
Fort Myers, FL. 33919
Phone: (239) 985-1200
Florida Certificate of
Authorization No.1772

STROUDS CREEK

CAD FILE NAME: 2017071	DRAWING NO.: 0000-00
PROJECT NO.: 17.071	SHEET NO.: 5a

Lee County Post Storm Flood Assessment

6. Whiskey Creek Watershed

The Whiskey Creek Watershed (WCW) is located in the south central area of Lee County and covers an area of approximately nine square miles in surface area. The northern boundary of the watershed is generally Colonial Boulevard, the east boundary is along the Ten Mile Canal, the south boundary is approximately Cypress Lake Drive and the west boundary is McGregor Boulevard. Whiskey Creek originates southeast of its Caloosahatchee River outfall. There are two major tributaries namely the L canal and the Brantley-Dover canal that outfall into the creek. There are several road crossings along both Whiskey Creek and the canals. There are no existing water control structures along the creek. There is a weir on the L canal located just upstream of Whiskey Creek Drive. This weir was installed in 1989 and provides an effective salt water barrier as well as maintaining higher groundwater elevations in the downstream portion of the canal during the dry season. IDD canals have easements of varying widths established for their entire length. Some of the easements do not fit the location of the existing conveyance.

The L Canal and Brantley-Dover Canal along with several smaller canals were reviewed to identify blockages from debris, sediment, and bank erosion within these channels that could contribute to flooding. Vegetation was also reviewed; channel capacity can be realized by removal of vegetation in the channel and also trimming and removal of overhanging vegetation. In addition numerous culverts exist along the channels and shelf areas along majority portions of the channels that are utilized for maintenance access were examined.

Typical items that contributed to flooding during the storm event were vegetation blockage; debris blocking flowways; blocked culverts; and siltation.

The following photos are a few of examples of vegetation blockage.



Along L canal at Danley Dr., looking east.

*Data Point L18 Lat:26.57539 Long:-81.86741



Looking east along Dover Canal at Austin St.

*Data Point A24 Lat:26.56087641 Long:-81.87043445



Looking west along Dover Canal east of Beacon St.
* Data Point L33 Lat: 26.56088 Long:-81.8652



N/S Canal North of Trailwinds Dr., looking north
*Data Point L35 Lat:26.57060536 Long:-81.86328131

Examples of areas of debris blockage primarily have to do with high water volume and wind resulting in downed trees and collection of debris at certain locations.



L canal Flowway blocked with debris, looking south
*Data Point L10 Lat:26.57539 Long:-81.87557



L canal debris, looking south
*Data Point L17 Lat:26.5755 Long:-81.86874



Brantley canal debris west of Summerlin Rd.,
*Data Point A18 Lat:26.56056529 Long:-81.88583851



Debris in N/S canal south of Trailwinds Dr.
*Data Point L34 Lat:26.5678 Long:-81.86329

Examples of partially blocked culverts with debris:



L canal east of Summerlin Rd.
*Data Point L8 Lat:26.57521283 Long:-81.88401293



L canal east of US 41.
*Data Point L14 Lat:26.57537081 Long:-81.87160361



Brantley canal just east of Whiskey Creek Dr.

*Data Point A16 Lat:26.55973616 Long:-81.88862712



Dover canal east of US 41.

*Data Point L31 Lat:26.56084736 Long:-81.87158951

Examples of sediment:



L canal just w. of intersection w/ L3 canal, looking w.

*Data Point A14 Lat:26.57537386 Long:-81.87604780



Looking east, L canal west of Danley Dr.

*Data Point A15 Lat:26.57544139 Long:-81.86835359



Brantley canal west of Summerlin Rd.

*Data Point A19 Lat:26.56065191 Long:-81.88466508



Brantley canal west of US 41.

*Data Point A22 Lat:26.56086999 Long:-81.87213511

CREEK SEGMENT DISCUSSION:

1. L Canal

The L Canal which flows east to west was examined in the field from Whiskey Creek Drive to the 10 mile canal. The list of issues and potential improvements are listed into the following segments from the west end to the east end:

Whiskey Creek Drive to Summerlin Road

- Sediment blow outs along the east side of the L-1 north / south canal (located immediately east of the Whiskey Creek weir) which flows into the L canal.
- Sink hole on top of a possible collapsed corrugated metal pipe which connects drainage from a golf course pond to the L canal
- Bank erosion along both sides of the L canal immediately west of the Summerlin Road quad box culvert.

Immediate work items include the following:

- Sediment removal and regarding ~ 1615 C.Y. (assumed 2 FT. depth, 21780 SQ. FT.)
- Replace corrugated metal pipe ~ 70 L.F.
- Regrade bank erosion ~ 475 C.Y. (assumed 2 FT. depth, 6400 SQ. FT.); add filter fabric and sod

Summerlin Road to US 41

- Debris blockage on the upstream side of the Summerlin Road quad box culvert.
- Debris blockage on the upstream side of a dual corrugated metal pipe flowing into the L canal under the canal access road just east of Summerlin Road.
- Culvert draining north from Maple Dr. And Fifth Ave. to the L canal blocked by vegetation (not seen) on north end.
- Sediment in L canal immediately west of L-3 north / south canal which drains into the L canal.
- Several down trees between the L-3 north / south canal and US41.

Immediate work items include the following:

- Debris removal ~ 50 L.F.
- Debris removal ~ 12 L.F.
- Vegetation removal ~ 25 L.F.
- Sediment removal and regarding ~ 40 C.Y. (assumed 3 FT. depth, 350 SQ. FT.)
- Vegetation removal ~ 62 L.F.

US41 to Danley Drive

- Debris blockage on the upstream side of the US41 double box culvert.
- Bank erosion along the south side of the L canal immediately east of US41.
- Debris in canal.

- Damaged 18 inch ADS pipe under the canal access road flowing into the L canal from a north / south swale within Jerry Brooks Community Park. ADS pipe appears undersized.
- Debris in the L canal west of Danley Drive.
- Sediment has accumulated in the L canal west of Danley Drive.

Immediate work items include the following:

- Debris removal ~ 30 L.F.
- Regrade bank erosion ~ 120 C.Y. (assumed 2 FT. depth, 1600 SQ. FT.); filter fabric and sod
- Debris removal ~ 12 L.F.
- Replace with 24 inch ADS pipe ~ 35 L.F.
- Debris removal ~ 30 L.F.
- Sediment removal and regarding ~ 185 C.Y. (assumed 3 FT. depth, 1670 SQ. FT.); sod

Danley Drive to 10 Mile Canal

- Debris blockage along the north side of the L canal immediately east of Danley Drive.
- Overgrown vegetation along the north side of the L canal south of Second Street.
- Bank erosion wash out along the south side of the L canal south of Second Street.
- Sediment has accumulated in the L canal between Third Street and Fourth Street.
- Debris blockage on the upstream side of a dual reinforced concrete pipe flowing into the L canal under the canal access road east of Fourth Street.
- Down tree in L canal.
- 2 ~ Bank erosion wash out areas along the north side of the L canal south of Eagle Industrial Systems LLC.
- Debris in the L canal between Fourth Street and the 10 Mile Canal.

Immediate work items include the following:

- Debris removal ~ 440 L.F.
- Vegetation maintenance trimming ~ 520 L.F.
- Regrade bank erosion ~ 18 C.Y. (assumed 4 FT. depth, 120 SQ. FT.); sod
- Sediment removal and regarding ~ 325 C.Y. (assumed 2 FT. depth, 4370 SQ. FT.)
- Debris removal ~ 12 L.F.
- Debris removal ~ 20 L.F.
- Regrade bank erosion ~ 26 C.Y. (assumed 3 FT. depth, 240 SQ. FT.); sod
- Debris removal ~ 540 L.F.

2. Brantley / Dover Canal

West of Whiskey Creek Drive

- Sediment downstream of the dual CMP pipes.
- Debris in canal at 3 locations.

Immediate work items include the following:

- Sediment removal and regarding ~ 50 C.Y. (assumed 2 FT. depth, 650 SQ. FT.)
- Debris removal ~ 130 L.F.

Whiskey Creek Drive to Summerlin Road

- 4 areas of debris in the Brantley canal.
- Sediment has accumulated in the Brantley canal west of Summerlin Road double box culvert.

Immediate work items include the following:

- Debris removal ~ 167 L.F.
- Sediment removal and regarding ~ 150 C.Y. (assumed 2 FT. depth, 2000 SQ. FT.)

Summerlin Road to US 41

- Sediment has accumulated in the Brantley canal east of Summerlin Road double box culvert.
- Debris blockage on the upstream side of the corrugated metal pipe under New Brittany Blvd.
- Erosion along the north canal bank under an existing mitered end section and under an existing open flume between New Brittany Blvd. and World Plaza Lane.
- Debris blockage on the upstream side of the double box culvert under Equestrian Circle.
- Bank erosion along the south canal bank opposite of Brantley Pines.
- Sediment has accumulated in the Brantley canal east of the Val Ward Cadillac driveway and east of the US41 double box culvert.

Immediate work items include the following:

- Sediment removal and regarding ~ 275 C.Y. (assumed 2 FT. depth, 3700 SQ. FT.)
- Debris removal ~ 12 L.F.
- Regrade bank erosion ~ 29 C.Y. (assumed 2 FT. depth, 370 SQ. FT.); sod
- Debris removal ~ 12 L.F.
- Regrade bank erosion ~ 15 C.Y. (assumed 2 FT. depth, 200 SQ. FT.); sod
- Sediment removal and regarding ~ 34 C.Y. (assumed 2 FT. depth, 440 SQ. FT.)

US41 to Beacon Street

- Debris blockage on the upstream side of the US41 double box culvert.

- Debris in the Brantley canal between Austin Street and Beacon Street.
- Bank erosion along the south canal bank behind 2137 Dover Ave.

Immediate work items include the following:

- Debris removal ~ 12 L.F.
- Debris removal ~ 450 L.F.
- Regrade bank erosion ~ 15 C.Y. (assumed 2 FT. depth, 200 SQ. FT.); add filter fabric and sod

Beacon Street to Fordham Street

- Debris overhangs in the Brantley canal behind 2236 Chandler Ave.
- Debris in the open swale behind 2418 Chandler Ave.

Immediate work items include the following:

- Debris removal ~ 80 L.F.
- Debris removal ~ 70 L.F.

3. Pinelake, Pinebrook, & Villas Lakes and their Canal FlowWays

- Pinelake rip rap outfall from the lake to the cross drains
- Minor sediment build up in the triple 19"x30" elliptical reinforced concrete pipes under New Pine Lake Dr.
- Sediment in 36" reinforced concrete pipe under Crystal Drive.
- Debris and vegetation along N/S H-9A Canal.
- North / South outfall canal (42LR28) (to L canal) is lined on both sides with dense, tall landscaping and vegetation. Evidence of intensive fallen debris into the canal has been cleared in areas.
- Debris and vegetation along N/S canal (42LR43) adjacent to the Pinebrook Woods.
- Debris and vegetation along N/S canal (42LR48) draining into Garden Lake.
- Sediment in 18" corrugated metal outfall pipe from Lake Chatham west of Chatham Street.
- Sediment in 30" ADS pipe under Woodland Blvd east of Crest Lane.
- Vegetation in N/S canal (42LR41) north of Ephraim Ave. east of Dartmouth St.
- Debris in N/S canal (42LR40) north of Sunrise Blvd. east of Dartmouth St.
- Sediment in dual 12"x18" RCP pipes under Crystal Dr. east of Dartmouth St.
- Sediment in 24" RCP under Exeter St. along Brantley Canal.
- Debris in 18" ADS pipe under Sunrise Blvd. east of Beacon St.
- Replace 30" CMP pipe where N/S H-9A canal meets Brantley Canal.

Immediate work items include the following:

- Ditch re-grade ~ 340 C.Y. (assumed 2 FT. depth, 4,600 SQ. FT.) ; reset rip rap

- Desilt pipes ~ 150 L.F.
- Desilt pipe ~ 61 L.F.
- Clear debris and vegetation ~ 1350 L.F.
- Clear vegetation along canal ~ 2660 L.F.
- Clear debris and vegetation ~ 550 L.F.
- Clear debris and vegetation ~ 125 L.F.
- Desilt pipe ~ 150 L.F.
- Desilt pipe ~ 70 L.F.
- Clear vegetation along canal ~ 50 L.F.
- Clear debris in canal ~60 L.F.
- Desilt pipe ~ 120 L.F.
- Desilt pipe ~ 42 L.F.
- Desilt pipe ~ 125 L.F.
- Replace corrugated metal pipe ~ 30 L.F.

4. H-7 (FSW-College Pkwy), H-11 (Park Meadows), L-1, L-2, and L-3 Canals

- Vegetation overhang along north side of H-7 canal bank from Whiskey Creek to east of Edison Pkwy.
- Vegetation and debris in H-7 canal north of Edison Pkwy.
- Vegetation overhang along the south side of the H-7 canal south of the Lee County Utilities parcel.
- Vegetation overhang along north side of the H-11 canal bank east of Summerlin Rd. north of Park Meadows Dr.
- Vegetation overhang along south side of the H-11 canal bank adjacent to the Major Tennis Services complex north of Park Meadows Dr.
- Vegetation overhang along north side of the H-11 canal bank east of the Major Tennis Services complex north of Park Meadows Dr.
- Vegetation along L-1 canal from Glen Eden Dr. to Tanglewood Pkwy.
- Vegetation overhang along east side of L-1 canal south of Tanglewood Pkwy to Reynard Dr.
- Vegetation overhang along west side of L-2 canal south of Royal Palm Square Blvd. to Matthew Dr.
- Debris in L-2 canal upstream of dual culverts under Matthew Dr.
- Vegetation overhang along west side of L-2 canal south of Bishop Verot High School to Summerlin Rd.
- Debris in L-2 canal upstream of dual culverts under Manchester Blvd.

- Erosion along L-2 canal bank adjacent to pathway north of Summerlin Rd.
- Debris in L-2 canal upstream of box culvert under Summerlin Rd.
- Sediment in L-2 canal downstream of box culvert under Summerlin Rd.
- Debris on L-2 canal south of Summerlin Rd.
- Vegetation overhang along east side of L-2 canal south of Summerlin Rd.
- Vegetation overhang along west side of L-3 canal east of Deleon St.
- Sediment in L-3 canal from adjacent shopping center drainage pipe.
- Debris in L-3 canal east of the Deleon St. – Matthew Dr. intersection.
- Vegetation overhang along east side of L-3 canal east of Sam Fleisman Sports Complex.
- Erosion along east side L-3 canal bank east of Sam Galloway Ford.

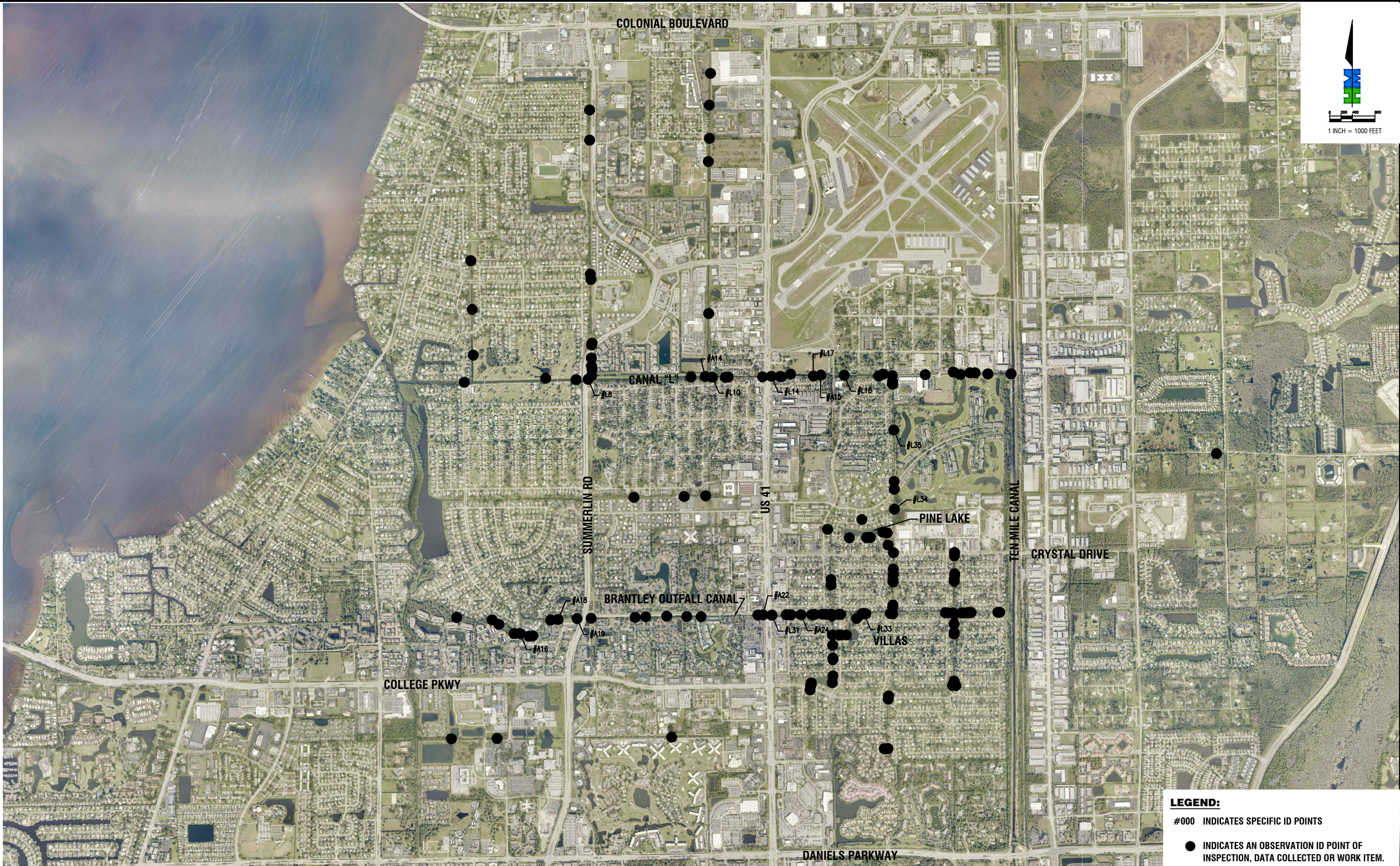
Immediate work items include the following:

- Clear vegetation along canal ~ 1400 L.F.
- Clear vegetation and debris in canal ~ 450 L.F.
- Clear vegetation along canal ~ 625 L.F.
- Clear vegetation along canal ~ 1900 L.F.
- Clear vegetation along canal ~ 230 L.F.
- Clear vegetation along canal ~ 700 L.F.
- Clear vegetation along canal ~ 830 L.F.
- Clear vegetation along canal ~ 935 L.F.
- Clear vegetation along canal ~ 1230 L.F.
- Clear debris ~ 20 L.F.
- Clear vegetation along canal ~ 3170 L.F.
- Clear debris ~ 12 L.F.
- Regrade bank erosion ~ 10 C.Y. (assumed 2 FT. depth, 125 SQ. FT.); sod
- Clear debris ~ 10 L.F.
- Sediment removal and regarding ~ 50 C.Y. (assumed 2 FT. depth, 650 SQ. FT.)
- Clear debris ~ 35 L.F.
- Clear vegetation along canal ~ 110 L.F.
- Clear vegetation along canal ~ 1400 L.F.
- Sediment removal and regarding ~ 10 C.Y. (assumed 2 FT. depth, 120 SQ. FT.)
- Clear debris ~ 20 L.F.
- Clear vegetation along canal ~ 920 L.F.
- Regrade bank erosion ~ 370 C.Y. (assumed 2 FT. depth, 5000 SQ. FT.)

Whiskey Creek Watershed Potential Projects

1. Canal section narrows between the L-3 north / south canal and US41 (1200 L.F.). Perform calculations to determine if additional capacity is needed.
2. There is a 42 inch HDPE control gate for Ten Mile Canal at the east end of the L Canal. Analyze impact of additional drainage from 10 Mile Canal.
3. Analyze impact of high flood east outfall reliever or equalizer from L Canal to Ten Mile Canal.
4. Analyze impact of high flood east outfall from Villas to Ten Mile Canal.
5. Canal section narrows west of Summerlin Road at the point where the canal alignment becomes winding (900 L.F.). Perform calculations to determine if additional capacity is needed.
6. Perform calculations to determine if additional capacity is needed in Dover canal. Clear vegetation along canal. Help relieve N/S canals.
7. Perform calculations to determine if additional capacity is needed culverts (within Dover canal) at Austin St. and Beacon St.
8. Perform calculations to determine if additional capacity is needed in culvert in the N/S canal along Crest Ln. along the south side entering the Dover Canal.
9. Perform calculations to determine if additional capacity is needed in the outfall culvert from Lake Chatham.
10. Perform calculations to determine if additional capacity is needed in the culvert adjacent to Pinebrook Woods.

H:\2017\2017071\2017071.D\1\3\MASTER\AN\HM_MASTER_20160104_T0P0.dwg Job: WHISKEY CREEK E-6 28_2018 - 11:41am



LEGEND:
 #000 INDICATES SPECIFIC ID POINTS
 ● INDICATES AN OBSERVATION ID POINT OF INSPECTION, DATA COLLECTED OR WORK ITEM.

LETTER	REVISIONS	DATE

Flood Analysis
 LEE COUNTY, FLORIDA

DESIGNED BY RLM	DATE 1/15/18
DRAWN BY JB	DATE 1/15/18
CHECKED BY RLM	DATE 1/15/18
VERTICAL SCALE N/A	HORIZONTAL SCALE 1" = 1000'



6200 Whiskey Creek Drive
 Fort Myers, FL. 33919
 Phone: (239) 985-1200
 Florida Certificate of
 Authorization No.1772

WHISKEY CREEK

CAD FILE NAME: 2017071	DRAWING NO.: 0000-00
PROJECT NO.: 17.071	SHEET NO.: 6a

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
2179	Debris across canal.	Debris	26.56071226	-81.89290819	HM - Whiskey Creek	5671 GRILLET PL FORT MYERS 33919	
2178	Debris in canal about 30" in length.	Debris	26.56056713	-81.89051135	HM - Whiskey Creek	6106 WHISKEY CREEK DR FORT MYERS 33919	
2177	Debris in canal about 50" in length.	Debris	26.56029253	-81.89006021	HM - Whiskey Creek	6106 WHISKEY CREEK DR FORT MYERS 33919	
2161	Sediment downstream of dual CMP pipes.	Sediment	26.55973484	-81.88902566	HM - Whiskey Creek	5801 REIMS PL FORT MYERS 33919	
A16	Debris in canal upstream of road culverts.	Debris	26.55972714	-81.88862171	HM - Whiskey Creek	6300 WHISKEY CREEK DR FORT MYERS 33919	
A17	Fallen debris in canal.	Debris	26.55956851	-81.888006	HM - Whiskey Creek	6309 CORPORATE CT FORT MYERS 33919	
A20	Fallen debris in canal.	Debris	26.55959443	-81.88776578	HM - Whiskey Creek	6309 CORPORATE CT FORT MYERS 33919	
A18	Fallen debris in canal.	Debris	26.56059577	-81.88604347	HM - Whiskey Creek	6201 PRESIDENTIAL CT FORT MYERS 33919	
A19	Sediment downstream of double box culvert.	Sediment	26.56064744	-81.88476919	HM - Whiskey Creek	5822 WILD FIG LN FORT MYERS 33919	
A21	Sediment in the canal upstream of the double box culvert.	Sediment	26.56065866	-81.88381936	HM - Whiskey Creek	7780 CAMBRIDGE MANOR PL FORT MYERS 33907	
L26	Fallen debris upstream of culvert.	Debris	26.56071239	-81.88083536	HM - Whiskey Creek	12530 NEW BRITTANY BLVD FORT MYERS 33907	
L28	Debris upstream located in double box culvert.	Debris	26.56076364	-81.87734107	HM - Whiskey Creek	1801 BRANTLEY RD FORT MYERS 33907	
A23	Sediment in canal.	Sediment	26.56084934	-81.87254108	HM - Whiskey Creek	12500 S CLEVELAND AVE FORT MYERS 33907	
A22	Sediment under and downstream of double box culvert.	Sediment	26.56085952	-81.87217746	HM - Whiskey Creek	12500 S CLEVELAND AVE FORT MYERS 33907	
1981		Debris	26.56084252	-81.87158632	HM - Whiskey Creek	12519 S CLEVELAND AVE FORT MYERS 33907	
L31	Debris in double box culvert.	Debris	26.56083891	-81.87158941	HM - Whiskey Creek	12519 S CLEVELAND AVE FORT MYERS 33907	
1983	Ending point of debris and overhang.	Debris	26.56087198	-81.86888961	HM - Whiskey Creek	2137 DOVER AVE FORT MYERS 33907	
1984	Starting point of debris and overhang.	Debris	26.56086732	-81.87029568	HM - Whiskey Creek	2100 To 2130 Chandler Ave Fort Myers Fl 33907	
A24	Debris and overhang in canal.	Debris	26.56086892	-81.86962173	HM - Whiskey Creek	2121 DOVER AVE FORT MYERS 33907	
1987	Starting point of debris and overhang.	Debris	26.56092611	-81.86549128	HM - Whiskey Creek	2236 CHANDLER AVE FORT MYERS 33907	
1988	Ending point of debris and overhang.	Debris	26.56092327	-81.86523788	HM - Whiskey Creek	2236 CHANDLER AVE FORT MYERS 33907	
L33	Debris overhang in canal.	Debris	26.56093074	-81.86536532	HM - Whiskey Creek	2236 CHANDLER AVE FORT MYERS 33907	
L8	Debris blockage upstream of quad box culvert in L canal.	Debris	26.57520152	-81.88400589	HM - Whiskey Creek	WHISKEY CREEK COUNTRY CLUB C/E FORT MYERS	
1482	Pipe not seen. Blocked by vegetation.	Vegetation	26.57533161	-81.8770503	HM - Whiskey Creek	1790-1812 BOY SCOUT DR FORT MYERS 33907	
A14	Sediment in L canal.	Sediment	26.57536451	-81.87607951	HM - Whiskey Creek	1790-1812 BOY SCOUT DR FORT MYERS 33907	
L10	Tree down along canal bank. Canal section becomes narrower.	Debris	26.57532217	-81.8755934	HM - Whiskey Creek	1843 MAPLE DR FORT MYERS 33907	
L11	Tree down along canal bank.	Debris	26.57531423	-81.87472293	HM - Whiskey Creek	1863/1865 MAPLE DR FORT MYERS 33907	

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
L12	Tree down along canal bank.	Debris	26.57533038	-81.8745314	HM - Whiskey Creek	1869/1871 MAPLE DR FORT MYERS 33907	
L14	Debris blockage upstream of double box culvert.	Debris	26.57537356	-81.87160341	HM - Whiskey Creek	11295 S CLEVELAND AVE FORT MYERS 33907	
L15	Tree down along canal bank.	Debris	26.57534812	-81.87092502	HM - Whiskey Creek	11295 S CLEVELAND AVE FORT MYERS 33907	
L17	Debris in canal.	Debris	26.57539258	-81.86876474	HM - Whiskey Creek	2085 FLOWERS DR FORT MYERS 33907	
A15	Bottom dredging needed.	Vegetation	26.57544524	-81.86826105	HM - Whiskey Creek	2095 FLOWERS DR FORT MYERS 33907	
L18	Debris along north side canal.	Debris	26.57543162	-81.86667831	HM - Whiskey Creek	Immediately East of Danley Dr.	
L19	Overgrown vegetation in canal.	Vegetation	26.57549318	-81.86405137	HM - Whiskey Creek	73 2ND ST FORT MYERS 33907	
1484	Bank erosion.	Erosion	26.57538265	-81.86434713	HM - Whiskey Creek	8255/8257 BEACON BLVD FORT MYERS 33907	
L20	Dredging recommended.	Sediment	26.57546515	-81.86119767	HM - Whiskey Creek	8237 BEACON BLVD FORT MYERS 33907	
L21	Down tree in canal.	Debris	26.57548002	-81.85882316	HM - Whiskey Creek	502 SOUTH RD FORT MYERS 33907	
L22	Debris in canal.	Debris	26.57550423	-81.85695697	HM - Whiskey Creek	95 6Th St. To 2 6Th St Fort Myers 33907	
L317	Clear debris and vegetation. Perform calculations to add capacity to canal section.	Debris	26.55900488	-81.86748241	HM - Whiskey Creek	8737 CHATHAM ST FORT MYERS 33907	
A38	Overgrown vegetation.	Vegetation	26.56029518	-81.8592615	HM - Whiskey Creek	8710 DARTMOUTH ST FORT MYERS 33907	
2145	Debris in canal.	Debris	26.56334631	-81.85922318	HM - Whiskey Creek	2367 SUNRISE BLVD FORT MYERS 33907	
L320	Debris in canal.	Debris	26.56325879	-81.8592219	HM - Whiskey Creek	2367 SUNRISE BLVD FORT MYERS 33907	
L319	Debris noted in swale at various locations. Swale drains south and crosses into the Hendry Creek Watershed.	Debris	26.55271235	-81.86374248	HM - Whiskey Creek	8824 GENEVA ST FORT MYERS 33907	
2136	30" ADS pipe inspected. Sediment in pipe noted. The pavement on Woodland Blvd has a depression from the ADS pipe.	Sediment	26.55591389	-81.8637033	HM - Whiskey Creek	8888 CREST LN FORT MYERS 33907	
2137	30" ADS pipe inspected. Sediment in pipe noted.	Sediment	26.55572668	-81.86372912	HM - Whiskey Creek	2306 WOODLAND BLVD FORT MYERS 33907	
2117	18" CMP pipe inspected. Sediment blockage noted.	Sediment	26.55962883	-81.86749545	HM - Whiskey Creek	8725 CHATHAM ST FORT MYERS 33907	
2108	18" CMP pipe inspected. Sediment Blockage noted. No sign of pipe structural damages. Perform calculations to evaluate upsizing pipe.	Inspected Area	26.55962925	-81.86705716	HM - Whiskey Creek	8725 CHATHAM ST FORT MYERS 33907	
L318	Dense vegetation within swale which drains to Lake.	Vegetation	26.5567101	-81.86892741	HM - Whiskey Creek	2125 WOODLAND BLVD FORT MYERS 33907	
L35	Evidence of down debris in the canal. Both sides of the canal heavily vegetated.	Debris	26.57210493	-81.86333312	HM - Whiskey Creek	8332 VERNON DR FORT MYERS 33907	
L34	Evidence of canal blockage east side wooden lot.	Debris	26.56728371	-81.86329291	HM - Whiskey Creek	5534 NEW PINE LAKE DR FORT MYERS 33907	
1490	Sediment noted in cross drain. Evaluate upsizing pipe.	Sediment	26.56463414	-81.86336104	HM - Whiskey Creek	2305 CRYSTAL DR FORT MYERS 33907	
2147	Dual 12" x 18" RCP pipes inspected. Sediment in pipe noted. No sign of pipe structural damages.	Sediment	26.56463611	-81.8592332	HM - Whiskey Creek	2401 CRYSTAL DR FORT MYERS 33907	
L9	Debris upstream side of dual cmp flowing into L canal under canal access road.	Debris	26.57543406	-81.88376556	HM - Whiskey Creek	WHISKEY CREEK COUNTRY CLUB C/E FORT MYERS	
1483	ADS pipe end smashed. Pipe size appears too small.	Damaged Structure	26.57550308	-81.87030594	HM - Whiskey Creek	50 SOUTH RD FORT MYERS 33907	

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
L23	Debris blockage upstream of culverts.	Debris	26.57562362	-81.85930069	HM - Whiskey Creek	502 SOUTH RD FORT MYERS 33907	
L323	Vegetation overhang along east side of canal.	Vegetation	26.58844666	-81.87585655	HM - Whiskey Creek	1750 MATTHEW DR APH FORT MYERS 33907	
A39	Debris in canal.	Debris	26.58985903	-81.87577708	HM - Whiskey Creek	ACCESS UNDETERMINED FORT MYERS 33907	
2170	Sediment in canal from shopping center storm pipe.	Sediment	26.59381162	-81.87570816	HM - Whiskey Creek	4606-4666 S CLEVELAND AVE FORT MYERS 33907	
L322	Vegetation overhang along west side of canal.	Vegetation	26.59187802	-81.87579179	HM - Whiskey Creek	4615-4775 DELEON ST FORT MYERS 33907	
L326	Vegetation overhang along east side of canal.	Vegetation	26.57580897	-81.88374307		5331 SUMMERLIN RD 3102 FORT MYERS 33919	
A40	Debris in canal.	Debris	26.576013	-81.88376968	HM - Whiskey Creek	WHISKEY CREEK COUNTRY CLUB C/E FORT MYERS	
2173	Sediment downstream of box culvert.	Sediment	26.57649713	-81.88378714	HM - Whiskey Creek	5301-5333 SUMMERLIN RD FORT MYERS 33919	
2214	Debris in front of box culvert.	Debris	26.57728939	-81.88376929	HM - Whiskey Creek	5300-5360 SUMMERLIN RD FORT MYERS 33919	
2172	Erosion along canal bank.	Erosion	26.57740107	-81.88373425	HM - Whiskey Creek	5300-5360 SUMMERLIN RD FORT MYERS 33919	
2212	Debris in dual rcp pipes.	Debris	26.58127734	-81.88380736	HM - Whiskey Creek	1620 MANCHESTER BLVD FORT MYERS 33907	
L325	Vegetation overhang along west side of canal.	Vegetation	26.58159589	-81.8838508	HM - Whiskey Creek	1617 COVINGTON CIR E FORT MYERS 33919	
2171	Debris in canal upstream of dual culverts.	Debris	26.58975487	-81.88388828	HM - Whiskey Creek	5595 SUNRISE DR FORT MYERS 33919	
L324	Vegetation overhang along west side of canal.	Vegetation	26.59158568	-81.88389234	HM - Whiskey Creek	5563 SUNRISE DR FORT MYERS 33919	
L328	Vegetation overhang along east side of canal.	Vegetation	26.57945485	-81.89184605	HM - Whiskey Creek	5224 KENILWORTH DR FORT MYERS 33919	
L327	Vegetation along canal.	Vegetation	26.58242119	-81.89193736	HM - Whiskey Creek	ACCESS UNDETERMINED FORT MYERS 33919	
A26	Rip rap outfall from the pond to the cross drains. Rip rap flow line appears to have high and low spots.	Inspected Area	26.56588071	-81.86407693	HM - Whiskey Creek	5585 NEW PINE LAKE DR FORT MYERS 33907	
A25	Minor sediment build up in triple ercp cross drain culverts.	Inspected Area	26.56583155	-81.8637816	HM - Whiskey Creek	5576 NEW PINE LAKE DR FORT MYERS 33907	
L329	Vegetation overhang along north side of canal banks.	Vegetation	26.56801709	-81.88091302	HM - Whiskey Creek	1574 CYPRESS DR FORT MYERS 33907	
L330	Vegetation overhang along south side of canal.	Vegetation	26.56806398	-81.87751258	HM - Whiskey Creek	1895 PARK MEADOWS DR FORT MYERS 33907	
L331	Vegetation overhang along north side of canal.	Vegetation	26.56809952	-81.87606121	HM - Whiskey Creek	1901 PARK MEADOWS DR FORT MYERS 33907	
L334	Vegetation overhang along the north side of the canal.	Vegetation	26.55333581	-81.89327948	HM - Whiskey Creek	8141 COLLEGE PKWY FORT MYERS 33919	
L333	Vegetation overhang and debris in canal.	Debris	26.55335504	-81.89018669	HM - Whiskey Creek	8141 COLLEGE PKWY FORT MYERS 33919	
L332	Vegetation overhang along south side of canal.	Vegetation	26.55343143	-81.87837796	HM - Whiskey Creek	7391-7401 COLLEGE PKWY FORT MYERS 33907	
L30	Erosion along canal bank.	Erosion	26.56074605	-81.87637718	HM - Whiskey Creek	1830 BRANTLEY RD A7 FORT MYERS 33907	
1985		Erosion	26.56085557	-81.86881558	HM - Whiskey Creek	2137 DOVER AVE FORT MYERS 33907	
L32	Bank erosion.	Erosion	26.56085818	-81.86881541	HM - Whiskey Creek	2137 DOVER AVE FORT MYERS 33907	

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
A13	Erosion along both sides of L canal. Talked to County maintenance staff on site. Backhoe is being used to clear sediment blow outs in the canal.	Erosion	26.57518125	-81.88481749	HM - Whiskey Creek	5338 SELBY DR FORT MYERS 33919	
L16	Canal bank erosion.	Erosion	26.57536434	-81.87101439	HM - Whiskey Creek	11295 S CLEVELAND AVE FORT MYERS 33907	
1485	Bank erosion.	Erosion	26.57557591	-81.85817775	HM - Whiskey Creek	95 6TH ST FORT MYERS 33907	
1486	Bank erosion.	Erosion	26.57557193	-81.85783024	HM - Whiskey Creek	95 6TH ST FORT MYERS 33907	
L321	Bank erosion east side of canal.	Erosion	26.5791956	-81.87584067	HM - Whiskey Creek	ACCESS UNDETERMINED FORT MYERS	
1989	Starting point of debris in swale.	Debris	26.56098244	-81.85833251	HM - Whiskey Creek	2418 CHANDLER AVE FORT MYERS 33907	
1990	Ending point of debris in swale.	Debris	26.56098238	-81.85811186	HM - Whiskey Creek	2418 CHANDLER AVE FORT MYERS 33907	
L24	Debris in swale.	Debris	26.5609827	-81.85822283	HM - Whiskey Creek	2418 CHANDLER AVE FORT MYERS 33907	
L27	Erosion under MES.	Erosion	26.56074718	-81.88012154	HM - Whiskey Creek	1735 BRANTLEY RD FORT MYERS 33907	
L29	Erosion under open flume.	Erosion	26.56078604	-81.87870158	HM - Whiskey Creek	1735 BRANTLEY RD FORT MYERS 33907	
1501	Sink hole; possible collapsed cmp from L canal to pond. Water was being pumped into a small pvc pipe through the culvert from canal to the pond.	Damaged Structure	26.57526646	-81.88687813	HM - Whiskey Creek	1449-1459 WHISKEY CREEK DR FORT MYERS 33919	
A12	Sediment blow outs along east side of canal flowing into L canal.	Sediment	26.5766747	-81.89177551	HM - Whiskey Creek	1449-1459 WHISKEY CREEK DR FORT MYERS 33919	Majority of work already completed.
2005	24" RCP Pipe inspected. Pipe end needs clearing.	Inspected Area	26.5609688	-81.85876925	HM - Whiskey Creek	8643 EXETER ST FORT MYERS 33907	
2123	18" ADS pipe inspected. Pipe blockage noted in middle of pipe. No sign of pipe structural damages.	Inspected Area	26.56299908	-81.86758849	HM - Whiskey Creek	8530 BEACON ST FORT MYERS 33907	
2116	CMP pipe inspected. Pipe end damaged on both ends from mowing. Perform calculations to evaluate upsizing pipe.	Damaged Structure	26.56078399	-81.86753112	HM - Whiskey Creek	8700 BEACON ST FORT MYERS 33907	
1945	Start exotics/debris/vegetation removal ~ 1700 LF	Vegetation	26.71580558	-81.80853276	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	
1949	Bayshore Rd bridge, ~250 LF debris/vegetaion removal between bridges	Vegetation	26.71511349	-81.80837282	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	
1976	Found buried headwall on E side berm with ~ 36" RCP culvert and extends W to creek thru berm. Pipe invert and ditch need to cleaned.	Vegetation	26.71525897	-81.8079335	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	
1416	Bridge crossing. Modify bridge abutments to clear creek slopes. Chain link water gap on E side of bridge.	Other	26.72194565	-81.80996549	HM - Popash Creek	8991 TRIPLETT RD NORTH FORT MYERS 33917	
2181	Start 5100LF of debris/vegetation removal, end at Sedgefield Rd	Vegetation	26.72324564	-81.80887361	HM - Popash Creek	17801 WELLS RD NORTH FORT MYERS 33917	
1843	debris blocking flow, 2 creek branches (7)	Debris	26.71370826	-81.80021551	HM - Stroud Creek	17141 CYPRESS CREEK DR NORTH FORT MYERS 33917	
1961	Clean closed in pipe system and 3 CB/JB™s. Junction boxes filled with sediment and debris.	Sediment	26.71527218	-81.80172483	HM - Stroud Creek	9491 BAYSHORE RD NORTH FORT MYERS 33917	
168	300 l.f. Debris/ Veg Removal	Debris	26.71828846	-81.79946463	HM - Stroud Creek	17470 NALLE RD NORTH FORT MYERS 33917	
171	two private bridge crossing. S bridge ~36' span. (17460 Nalle Rd)	Debris	26.71869983	-81.79940641	HM - Stroud Creek	17500 NALLE RD NORTH FORT MYERS 33917	
1487	Creek north chocked with peppers; bridge opening flow way clear; HWM ~ 6" below bottom pier cap	Vegetation	26.71518377	-81.79974467	HM - Stroud Creek	9665 BAYSHORE RD NORTH FORT MYERS 33917	
235	debris to N	Debris	26.7205245	-81.79898124	HM - Stroud Creek	17710 NALLE RD NORTH FORT MYERS 33917	
333	Debris	Debris	26.72383716	-81.79804253	HM - Stroud Creek	17830 NALLE RD NORTH FORT MYERS 33917	

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
244	Fence water gap	Debris	26.72682581	-81.79847665	HM - Stroud Creek	18000 NALLE RD NORTH FORT MYERS 33917	
654	private bridge crossing, did not have access	Other	26.72809626	-81.79882285	HM - Stroud Creek	18100 NALLE RD NORTH FORT MYERS 33917	
655	fence water gap; resident has tried to remove but has received resistance from farmer	Debris	26.728351	-81.79898454	HM - Stroud Creek	18100 NALLE RD NORTH FORT MYERS 33917	
2159	remove sediment and debris from creek	Sediment	26.74198719	-81.80419036	HM - Popash Creek	9298 HENDERSON GRADE NORTH FORT MYERS 33917	
2185	Start 2000LF debris/vegetation removal, end at Henderson Grade.Trees in creek.	Debris	26.73713815	-81.80576899	HM - Popash Creek	18781 NALLE RD NORTH FORT MYERS 33917	
188	Remove fall trees	Debris	26.7095485	-81.81587434	HM - Bayshore Creek	GOVT LOT NORTH FORT MYERS 33917	
1461	300Lf of ditch cleaning and 250Lf of debris removal. Offsite ditch clogged with debris !! I 75 ditch needs cleaning.	Debris	26.72017524	-81.81809476	HM - Bayshore Creek	17700 WILLIAMSBURG DR NORTH FORT MYERS 33917	
1975	70Lf of ditch cleaning. I 75 cross culvert 2-30" RCP & 2-30" RCP under Prichett Prky. Resident states that drainage from E side Leetana flows S thru this pipe??	Sediment	26.72123948	-81.81807397	HM - Popash Creek	17690 LEETANA RD NORTH FORT MYERS 33917	
2154	~ 30" ADS pipe heads W to Williamsburg Dr R/W. Ditch from I 75 ends ?	Other	26.71975052	-81.81805836	HM - Bayshore Creek	17571 E JAMESTOWN CIR NORTH FORT MYERS 33917	
2155	~ 24" RCP under Williamsburg Dr	Vegetation	26.71982061	-81.81949592	HM - Bayshore Creek	RIGHT OF WAY NORTH FORT MYERS 33917	
2186	Place ~ 15 Cu Yds of 6"-8" Rip Rap on S side culverts. (40'x10'x12")	Erosion	26.74234731	-81.8043508	HM - Popash Creek	9298 HENDERSON GRADE NORTH FORT MYERS 33917	
2187	Replace water gap	Vegetation	26.74348844	-81.8061072	HM - Popash Creek	19251 MEREDITH RD NORTH FORT MYERS 33917	
2195	Water gap gave way	Damaged Structure	26.74628984	-81.80703851	HM - Popash Creek	19401 MEREDITH RD NORTH FORT MYERS 33917	
2236	Remove ~ 15 cu. yds sediment on N side of culverts and replace water gap.	Sediment	26.74261582	-81.80428891	HM - Popash Creek	19271 NALLE RD NORTH FORT MYERS 33917	
2237	Remove (? replace) bridge crossing.	Damaged Structure	26.74560621	-81.80694883	HM - Popash Creek	19351 MEREDITH RD NORTH FORT MYERS 33917	
2238	Vegetation/sediment 110 cys and old bridge crossing in creek. (20'x100'x1.5')	Vegetation	26.74513176	-81.80676434	HM - Popash Creek	19281 MEREDITH RD NORTH FORT MYERS 33917	
2239	Remove vegetation/ sediment 250 cys (30'x150'x1.5')	Sediment	26.74611747	-81.80700021	HM - Popash Creek	19351 MEREDITH RD NORTH FORT MYERS 33917	
2240	Double CBC(~9x5?) ... sediment N of CBC 160cys (25'x100'x1.5')... Some debris N side.	Sediment	26.7471022	-81.80707713	HM - Popash Creek	19401 MEREDITH RD NORTH FORT MYERS 33917	
2253	Meredith Rd..Remove 5 cys sediment in S inverts , E side.. replace water gap E side.. W side remove sediment/excavate bank to increase flow access. (2-4'x10'x1.5')	Sediment	26.74307168	-81.80577727	HM - Popash Creek	19271 NALLE RD NORTH FORT MYERS 33917	
206	1,200 l.f. Debris/Vegetation Removal to the North of this point	Debris	26.72783223	-81.8251151	HM - Bayshore Creek	18020 LEETANA RD NORTH FORT MYERS 33917	
924	culverted bridge crossing, looks like slab recently replaced, water blew thru below slab. (18571/18591 Durrance)	Debris	26.7338425	-81.79394567	HM - Stroud Creek	18531-591 DURRANCE RD NORTH FORT MYERS 33917	
925	blown out water gap	Damaged Structure	26.73418173	-81.79386489	HM - Stroud Creek	18631 DURRANCE RD NORTH FORT MYERS 33917	
1499	Replace water gap & culvert requires clearing of debris build-up	Debris	26.73684548	-81.82476605	HM - Bayshore Creek	18950 PRITCHETT PKWY NORTH FORT MYERS 33917	
930	water gap	Debris	26.73510134	-81.7938715	HM - Stroud Creek	18681 DURRANCE RD NORTH FORT MYERS 33917	
2066	Bridge crossing, no access for inspection. (18631 Durrance Rd)	Other	26.73479151	-81.79378449	HM - Stroud Creek	18631 DURRANCE RD NORTH FORT MYERS 33917	
2202	Remove wood bridge crossing, have access on S side of CBC...remove sediment	Damaged Structure	26.74978568	-81.80820284	HM - Popash Creek	19631 PINE ECHO RD NORTH FORT MYERS 33917	
2203	Replace wood bridge crossing	Damaged Structure	26.75038616	-81.80862873	HM - Popash Creek	19651 PINE ECHO RD NORTH FORT MYERS 33917	

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
2241	Start 500 LF Debris/vegetation removal, end at Pine Echo Rd. ? Power pole crossing... at convergence of E ditch from Nalle Rd, heavy vegetation.	Debris	26.74812007	-81.80710758	HM - Popash Creek	19500 PINE ECHO RD NORTH FORT MYERS 33917	
2242	Pine Echo Rd..Triple CBC (?10x6) angled w/ creek flow,, N barrel, E side, flows into creek bank,, W side remove sediment from middle barrel.... remove sediment 25cys (10x20x3') on W side of CDC	Sediment	26.74922695	-81.80782154	HM - Popash Creek	19550 PINE ECHO RD NORTH FORT MYERS 33917	
801	Bridge crossing , debris. Photo 1 Looks N of bridge. Photo 2 N side of bridge. Photo 3 HW debris on bridge. Photo 4 S side bridge. Photo 5 looking S from bridge.	Debris	26.73117384	-81.79663708	HM - Stroud Creek	18331/335 DURRANCE RD NORTH FORT MYERS 33917	
927	~2-60" CMP D/W crossing, W barrel partly clogged. (18681 Durrance Rd)	Vegetation	26.73532692	-81.79386777	HM - Stroud Creek	18681 DURRANCE RD NORTH FORT MYERS 33917	
928	water gap clogged up and vegetation on S side	Debris	26.73602102	-81.79413747	HM - Stroud Creek	18731/761 DURRANCE RD NORTH FORT MYERS 33917	
931	Bridge crossing. Photo 1 Looks N. Photo 2 N side bridge. Photo 4 fence water gap N p/l. Photo 5 S side culvert. Pic 6 looking S.. Owner cleared debris from creek.	Other	26.73646092	-81.79431085	HM - Stroud Creek	18731/761 DURRANCE RD NORTH FORT MYERS 33917	
1067	Double 2-60" ADS culvert crossing, photo 1 looking N, photo 2 N side, photo 2 S side. (18801 Durrance Rd)	Damaged Structure	26.73748658	-81.79456004	HM - Stroud Creek	18801 DURRANCE RD NORTH FORT MYERS 33917	
2218	Washed out water gap	Inspected Area	26.75360184	-81.80965978	HM - Popash Creek	9000 NALLE GRADE RD NORTH FORT MYERS 33917	
2243	miniature R/R w/ 4 creek crossings. remove 4 crossings and install 1 new creek crossing..	Debris	26.75127896	-81.80954495	HM - Popash Creek	19701 PINE ECHO RD NORTH FORT MYERS 33917	
2246	Start 1400LF Debris/vegetation removal, end at Nalle Grade	Debris	26.75157254	-81.8098674	HM - Popash Creek	19701 PINE ECHO RD NORTH FORT MYERS 33917	
2248	Bank erosion, remove sediment in creek 110cys (20x100x1.5')	Sediment	26.7530024	-81.80967948	HM - Popash Creek	19901 PINE ECHO RD NORTH FORT MYERS 33917	
2250	Sediment removal 250cys (30x150x1.5'),, starting to erode W bank..	Sediment	26.75408405	-81.80954751	HM - Popash Creek	9000 NALLE GRADE RD NORTH FORT MYERS 33917	
1126	HW at bottom bridge and in yard. photo 1 S side bridge. Photo 2 looking N from bridge. Photo 3 looking at N side bridge. Photo 4 looking s S	High Water Indicator	26.73140303	-81.79609661	HM - Stroud Creek	18331/335 DURRANCE RD NORTH FORT MYERS 33917	
242	flow way clear to S and debris to N	Debris	26.72631916	-81.79796493	HM - Stroud Creek	N. of LCEC Easement	
699	creek blockage	Debris	26.73030184	-81.79784716	HM - Stroud Creek	18151-81 DURRANCE RD NORTH FORT MYERS 33917	
922	600 l.f. Debris/Veg Removal	Debris	26.73238373	-81.79537827	HM - Stroud Creek	18531-591 DURRANCE RD NORTH FORT MYERS 33917	
1798	water gap	Debris	26.73691219	-81.79449679	HM - Stroud Creek	18731/761 DURRANCE RD NORTH FORT MYERS 33917	
660	End Debris/Vegetation Removal..Tie to creek, heading south, 90 deg. bend. Noted water gap: photo 1 looking E and 2 looking S	Other	26.74429541	-81.79489649	HM - Stroud Creek	9900 MERLE DR NORTH FORT MYERS 33917	
661	photo 1 looking S, creek clear ; and photo 2 looking N with vegetation and fence water gap	Vegetation	26.74075225	-81.79603048	HM - Stroud Creek	9851 VERONICA BLVD NORTH FORT MYERS 33917	
662	water fence gap	Other	26.74047632	-81.79622252	HM - Stroud Creek	9750 VERONICA BLVD NORTH FORT MYERS 33917	
1069	Water gap, photo 2 looking N	Debris	26.73782659	-81.79472454	HM - Stroud Creek	18801 DURRANCE RD NORTH FORT MYERS 33917	
216	350 l.f. debris/vegetation removal	Vegetation	26.74260222	-81.81864577	HM - Bayshore Creek	8401 HENDERSON GRADE NORTH FORT MYERS 33917	
657	Sediment and vegetation ; photos looking starting south to north	Vegetation	26.74793994	-81.79550485	HM - Stroud Creek	9851 MERLE DR NORTH FORT MYERS 33917	
658	90 deg. Turn to south: photo 1 looking west, photo 2 looking east	Other	26.74805595	-81.79525239	HM - Stroud Creek	9901 MERLE DR NORTH FORT MYERS 33917	
219	4 - CMP's require replacing	Inspected Area	26.74250399	-81.81875635	HM - Bayshore Creek	8450 HENDERSON GRADE NORTH FORT MYERS 33917	
651	Water gap fence on N side: photo 3 looking S	Vegetation	26.75163578	-81.79345564	HM - Stroud Creek	9951 ST PAUL RD NORTH FORT MYERS 33917	
1797	End Debris/Vegetation Removal..convergence of ditches, has fence water gap and sediment	Sediment	26.75521909	-81.79343901	HM - Stroud Creek	9950 QUAIL HOLLOW RD NORTH FORT MYERS 33917	

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223	Replace gate post and remove erosion sediment	High Water Indicator	26.7552824	-81.81822359	HM - Bayshore Creek	8350 NALLE GRADE RD NORTH FORT MYERS 33917	
748	NS ditch w/ debris and just south of the easement ditch convergence. Photo 1 Looks S, 2 looks N	Debris	26.75508828	-81.79341776	HM - Stroud Creek	9950 QUAIL HOLLOW RD NORTH FORT MYERS 33917	
915	pipe crossing with sediment SE of pipe	Sediment	26.755856	-81.79388709	HM - Stroud Creek	9951 QUAIL HOLLOW RD NORTH FORT MYERS 33917	
1082	Debris N and berm blockage to S	Debris	26.75716022	-81.7949881	HM - Stroud Creek	20300 NALLE RD NORTH FORT MYERS 33917	
1405	Private bridge crossing , remove or replace. (Inspected)	Inspected Area	26.72197453	-81.80976104	HM - Popash Creek	17771 WELLS RD NORTH FORT MYERS 33917	
2084	Add additional RCP to undersized pipe. Add rip-rap to scouring location.	Damaged Structure	26.75680258	-81.85024037	HM - Daughtrey Creek	6501 NALLE GRADE RD NORTH FORT MYERS 33917	
1790	Rebuild shoulder to Nalle Road due to erosion		26.75528605	-81.80176605	HM - Popash Creek	19949 NALLE RD NORTH FORT MYERS 33917	
893	Rebuild shoulder to Nalle Road due to erosion		26.75543127	-81.80169564	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	
186	250 l.f. Debris/Vegetation Removal	Vegetation	26.70988158	-81.81579444	HM - Bayshore Creek	GOVT LOT NORTH FORT MYERS 33917	
172	100 l.f. Debris/Vegetation Removal	Vegetation	26.71338368	-81.8196783	HM - Bayshore Creek	8340 BAYSHORE RD NORTH FORT MYERS 33917	
173	450 l.f. Debris/Vegetation Removal	Vegetation	26.7133896	-81.81965245	HM - Bayshore Creek	8340 BAYSHORE RD NORTH FORT MYERS 33917	
194	No work - clear conditions	Inspected Area	26.7187672	-81.82204214	HM - Bayshore Creek	8245 W JAMESTOWN CIR NORTH FORT MYERS 33917	
210	Tree removal	Debris	26.73566741	-81.82479445	HM - Bayshore Creek	8201 HUNTERS GLEN CIR NORTH FORT MYERS 33917	
211	1,200 l.f. of overhanging vegetation removal to the North of this point	Sediment	26.73172546	-81.82567012	HM - Bayshore Creek	18331 HUNTERS GLEN RD NORTH FORT MYERS 33917	
215	200 l.f. Debris/vegetation removal. 3-CMP's require sediment removal	Vegetation	26.73891639	-81.82283309	HM - Bayshore Creek	18950 PRITCHETT PKWY NORTH FORT MYERS 33917	
236	Natural wetlands, to overgrown to observe	Inspected Area	26.71100083	-81.81570489	HM - Bayshore Creek	GOVT LOT NORTH FORT MYERS 33917	
849	clear road culvert of sediment build-up		26.7555026	-81.82601941	HM - Bayshore Creek	8081 NALLE GRADE RD NORTH FORT MYERS 33917	
1771	Remove sedimnt build up due to scouring		26.75548181	-81.82203717	HM - Bayshore Creek	8251 NALLE GRADE RD NORTH FORT MYERS 33917	
1775	Clear road culvert of debris		26.75547645	-81.82157776	HM - Bayshore Creek	8251 NALLE GRADE RD NORTH FORT MYERS 33917	
1776	50 l.f. sediment removal from road culvert		26.75546848	-81.81816104	HM - Bayshore Creek	8451 NALLE GRADE RD NORTH FORT MYERS 33917	
1777	1,800 l.f. debris/vegetation removal eastward		26.75544845	-81.81796197	HM - Bayshore Creek	8551 Nalle Grade Rd, North Fort Myers 33917	
183	Replace water gap & 1,300 l.f. debris/vegetation removal	Debris	26.71128711	-81.81616434	HM - Bayshore Creek	17391 PARK 78 DR NORTH FORT MYERS 33903	
226	No work - clear conditions	Inspected Area	26.75241875	-81.81860105	HM - Bayshore Creek	8350 NALLE GRADE RD NORTH FORT MYERS 33917	
869	Replace double MES		26.7554873	-81.81955269	HM - Bayshore Creek	8451 NALLE GRADE RD NORTH FORT MYERS 33917	
1494	No work - clear conditions	Inspected Area	26.7147836	-81.82170059	HM - Bayshore Creek	8340 BAYSHORE RD NORTH FORT MYERS 33917	
1766	remove debris blocking driveway culvert	Inspected Area	26.75548315	-81.82513789	HM - Bayshore Creek	8081 NALLE GRADE RD NORTH FORT MYERS 33917	
1773	100 l.f. sediment removal. Replace watergap due to erosion		26.75548005	-81.82183399	HM - Bayshore Creek	8251 NALLE GRADE RD NORTH FORT MYERS 33917	

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1785	remove debris blocking roadway culvert		26.7554557	-81.8181043	HM - Bayshore Creek	8451 NALLE GRADE RD NORTH FORT MYERS 33917	
192	600 l.f. Debris/Vegetation Removal		26.71527821	-81.8219804	HM - Bayshore Creek	8241 BAYSHORE RD NORTH FORT MYERS 33917	
212	Replace water gap	Inspected Area	26.73874194	-81.8228685	HM - Bayshore Creek	18950 PRITCHETT PKWY NORTH FORT MYERS 33917	
300	Debris and vegetation in ditch. 24" rcp	Debris	26.7553011	-81.85656264	HM - Daughtrey Creek	6151 NALLE GRADE RD NORTH FORT MYERS 33917	
306	Clear debris/vegetation build up in driveway culvert		26.75532662	-81.85422179	HM - Daughtrey Creek	6231 NALLE GRADE RD NORTH FORT MYERS 33917	
308	Clear debris/vegetation build up in driveway culvert		26.75531479	-81.85402763	HM - Daughtrey Creek	6231 NALLE GRADE RD NORTH FORT MYERS 33917	
314	Clear area of vegetation/debris		26.75537838	-81.85245735	HM - Daughtrey Creek	6331 NALLE GRADE RD NORTH FORT MYERS 33917	
316	Clear debris/vegetation build up in driveway culvert		26.75537729	-81.85173282	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	
375	Remove debris/vegetation at driveway culvert		26.75553135	-81.83682816	HM - Daughtrey Creek East	7301 NALLE GRADE RD NORTH FORT MYERS 33917	
832	Clear driveway culvert of fallen debris	Debris	26.75554438	-81.83214557	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	
1535	Clear driveway culvert of debris		26.75538395	-81.85022357	HM - Daughtrey Creek	6521 NALLE GRADE RD NORTH FORT MYERS 33917	
1539	Clear debris at Road Culvert		26.75541487	-81.84974878	HM - Daughtrey Creek	6521 NALLE GRADE RD NORTH FORT MYERS 33917	
1540	Clear debris at Road Culvert		26.75533567	-81.84987807	HM - Daughtrey Creek East	6521 NALLE GRADE RD NORTH FORT MYERS 33917	
1546	Clear debris at Road Culvert		26.75544195	-81.84767959	HM - Daughtrey Creek	6601 NALLE GRADE RD NORTH FORT MYERS 33917	
1554	Clear driveway culvert of debris		26.75545325	-81.84318671	HM - Daughtrey Creek	6951 NALLE GRADE RD NORTH FORT MYERS 33917	
1574	Clear culverts of debris/vegetation		26.75550415	-81.83813293	HM - Daughtrey Creek East	20010 CAMPBELL RD NORTH FORT MYERS 33917	
1584	Remove debris at flume		26.7554812	-81.83449798	HM - Daughtrey Creek East	20050 PEARCE ST NORTH FORT MYERS 33917	
1758	Remove debris at culvert		26.75549091	-81.83109339	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	
1765	100 l.f. of overhanging debris		26.75546283	-81.82657756	HM - Daughtrey Creek East	7871 NALLE GRADE RD NORTH FORT MYERS 33917	
1783	Remove debris at Popash connection and adjust rip-rap		26.7554588	-81.80943029	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	
312	Driveway culvert, 30" rcp rusted metal pipe encased in concrete. Pipe contains sediment and ditch contains debris.		26.75531007	-81.85310686	HM - Daughtrey Creek	6331 NALLE GRADE RD NORTH FORT MYERS 33917	
1560	Driveway culvert. No slope. Holding water and sediment. At least 50% capacity standing.		26.75541861	-81.84127539	HM - Daughtrey Creek East	7050 NALLE GRADE RD NORTH FORT MYERS 33917	
1567	Minor debris and vegetation. 15" rcp Pipe contains standing water. But ditch is dry.		26.75548818	-81.83898638	HM - Daughtrey Creek East	7171 NALLE GRADE RD NORTH FORT MYERS 33917	
1585	24" rcp partially silted		26.7554025	-81.83475216	HM - Daughtrey Creek East	7400 NALLE GRADE RD NORTH FORT MYERS 33917	
1586	standing water at cross road pipes minor debris. flooded ditch only from the east		26.75550115	-81.83498685	HM - Daughtrey Creek East	20050 PEARCE ST NORTH FORT MYERS 33917	
322	Remove fallen tree	Debris	26.7553697	-81.8505265	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	
422	Add rip-rap to prevent scouring		26.75527637	-81.85631001	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	

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302	Replace driveway culvert		26.75531921	-81.85607024	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	
304	Replace driveway culvert and remove surrounding debris/vegetation		26.75530866	-81.85628479	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	
313	Replace road culvert		26.75548617	-81.85231904	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	
381	Replace damaged driveway headwall/MES		26.75559522	-81.83543245	HM - Daughtrey Creek East	20050 PEARCE ST NORTH FORT MYERS 33917	
1534	Damaged culvert add rip-rap at scouring location		26.75526509	-81.85043481	HM - Daughtrey Creek	19991 SLATER RD NORTH FORT MYERS 33917	
1545	Replace damaged MES. Remove sediment build up		26.75530774	-81.84765421	HM - Daughtrey Creek East	6600 NALLE GRADE RD NORTH FORT MYERS 33917	
1548	Replace damaged MES		26.75537427	-81.84685363	HM - Daughtrey Creek East	6651 NALLE GRADE RD NORTH FORT MYERS 33917	
1583	Replace damaged MES. 200 l.f. debris/vegetation removal		26.75538474	-81.83494922	HM - Daughtrey Creek East	7400 NALLE GRADE RD NORTH FORT MYERS 33917	
1755	Replace damaged MES		26.75539544	-81.83126547	HM - Daughtrey Creek East	7670 NALLE GRADE RD NORTH FORT MYERS 33917	
299	Clear sediment/vegetation build up in driveway culvert		26.75529305	-81.85641618	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	
301	Clear sediment/vegetation build up in driveway culvert		26.75530269	-81.85619939	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	
377	Clear sediment build up at driveway culvert		26.75554702	-81.83557419	HM - Daughtrey Creek East	7351/7357 NALLE GRADE RD NORTH FORT MYERS 33917	
379	Clear sediment build up at driveway culvert		26.75558768	-81.83547679	HM - Daughtrey Creek East	7351/7357 NALLE GRADE RD NORTH FORT MYERS 33917	
383	Clear sediment build up at driveway culvert		26.75557762	-81.83542625	HM - Daughtrey Creek East	20050 PEARCE ST NORTH FORT MYERS 33917	
1014	Clear sediment build up at driveway culvert	Debris	26.75552225	-81.82997164	HM - Daughtrey Creek East	7721 NALLE GRADE RD NORTH FORT MYERS 33917	
1527	Clear sediment/vegetation build up in roadway culvert		26.75521421	-81.85684567	HM - Daughtrey Creek	6151 NALLE GRADE RD NORTH FORT MYERS 33917	
1542	Clear sediment/vegetation build up in driveway culvert		26.75530112	-81.84887978	HM - Daughtrey Creek East	6600 NALLE GRADE RD NORTH FORT MYERS 33917	
1543	Clear sediment/vegetation build up in driveway culvert		26.75542067	-81.84894165	HM - Daughtrey Creek	6561 NALLE GRADE RD NORTH FORT MYERS 33917	
1549	Clear sediment build up in driveway culvert		26.75546994	-81.84597916	HM - Daughtrey Creek	6701 NALLE GRADE RD NORTH FORT MYERS 33917	
1550	Clear sediment/vegetation build up in driveway culvert		26.75547575	-81.84524715	HM - Daughtrey Creek	6701 NALLE GRADE RD NORTH FORT MYERS 33917	
1551	Clear sediment build up in driveway culvert		26.75544602	-81.84520709	HM - Daughtrey Creek	6701 NALLE GRADE RD NORTH FORT MYERS 33917	
1555	Clear vegetation in driveway culvert		26.7555179	-81.84233394	HM - Daughtrey Creek	6951 NALLE GRADE RD NORTH FORT MYERS 33917	
1556	Clear vegetation in driveway culvert		26.75552552	-81.84218885	HM - Daughtrey Creek East	6951 NALLE GRADE RD NORTH FORT MYERS 33917	
1557	Clear sediment build up in driveway culvert		26.75538942	-81.8422448	HM - Daughtrey Creek East	6950 NALLE GRADE RD NORTH FORT MYERS 33917	
1558	Clear sediment build up in driveway culvert		26.75550842	-81.84208668	HM - Daughtrey Creek East	7011 NALLE GRADE RD NORTH FORT MYERS 33917	
1561	Clear sediment build up in driveway culvert		26.75540125	-81.84050055	HM - Daughtrey Creek East	7100 NALLE GRADE RD NORTH FORT MYERS 33917	
1562	Clear sediment build up in driveway culvert		26.7554016	-81.84081321	HM - Daughtrey Creek East	7050 NALLE GRADE RD NORTH FORT MYERS 33917	

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1563	Clear sediment build up in driveway culvert		26.75542649	-81.84031278	HM - Daughtrey Creek East	7100 NALLE GRADE RD NORTH FORT MYERS 33917	
1564	Clear sediment build up in driveway culvert		26.75541987	-81.84061087	HM - Daughtrey Creek East	7100 NALLE GRADE RD NORTH FORT MYERS 33917	
1565	Clear sediment build up in driveway culvert		26.75539604	-81.84013426	HM - Daughtrey Creek East	7170 NALLE GRADE RD NORTH FORT MYERS 33917	
1566	Clear sediment build up in driveway culvert		26.75541244	-81.83899225	HM - Daughtrey Creek East	7170 NALLE GRADE RD NORTH FORT MYERS 33917	
1569	Clear sediment build up in driveway culvert		26.7554148	-81.83809248	HM - Daughtrey Creek East	7300 NALLE GRADE RD NORTH FORT MYERS 33917	
1570	Clear sediment build up in driveway culvert		26.75541277	-81.83822838	HM - Daughtrey Creek East	7170 NALLE GRADE RD NORTH FORT MYERS 33917	
1572	Clear sediment build up in driveway culvert		26.75541655	-81.8380245	HM - Daughtrey Creek East	7300 NALLE GRADE RD NORTH FORT MYERS 33917	
1573	Clear sediment build up in driveway culvert		26.7554221	-81.83778373	HM - Daughtrey Creek East	7300 NALLE GRADE RD NORTH FORT MYERS 33917	
1579	Clear sediment build up at roadway culvert		26.755395	-81.83593375	HM - Daughtrey Creek East	7400 NALLE GRADE RD NORTH FORT MYERS 33917	
1580	Clear sediment build up at driveway culvert		26.75551035	-81.83529239	HM - Daughtrey Creek East	20050 PEARCE ST NORTH FORT MYERS 33917	
1582	Clear sediment build up at driveway culvert		26.75540297	-81.83460301	HM - Daughtrey Creek East	7400 NALLE GRADE RD NORTH FORT MYERS 33917	
1588	Remove sediment build up from erosion		26.75548585	-81.83418763	HM - Daughtrey Creek East	20050 PEARCE ST NORTH FORT MYERS 33917	
1750	Clear driveway culvert of sediment build up		26.75543588	-81.83222068	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	
1756	Remove sediment in roadway culvert		26.75541283	-81.83112407	HM - Daughtrey Creek East	19910 FREEMAN DR NORTH FORT MYERS 33917	
1759	Remove sediment in driveway culvert		26.75539921	-81.8297688	HM - Daughtrey Creek East	7720 NALLE GRADE RD NORTH FORT MYERS 33917	
1544	Build up ditch wall to prevent flooding from wetlands north		26.7553995	-81.84841015	HM - Daughtrey Creek	6561 NALLE GRADE RD NORTH FORT MYERS 33917	
1547	Build up ditch wall to prevent flooding from wetlands north		26.75539816	-81.84815182	HM - Daughtrey Creek	6601 NALLE GRADE RD NORTH FORT MYERS 33917	
1821	Adjust rip-rap that is blocking low flow		26.7554762	-81.80967102	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	
2134	Debris Looking S	Debris	26.7272333	-81.80898437	HM - Popash Creek	18206 SANDY PINES CIR NORTH FORT MYERS 33917	
2140	Tree down in creek	Debris	26.72810066	-81.80902963	HM - Popash Creek	18194 SANDY PINES CIR NORTH FORT MYERS 33917	
2142	Exotics lining creek backs	Vegetation	26.72878852	-81.80873778	HM - Popash Creek	18186 SANDY PINES CIR NORTH FORT MYERS 33917	
2149	Staff gage down in creek and rock dam holding flow	Debris	26.73636039	-81.8059026	HM - Popash Creek	9250 SEDGEFIELD RD NORTH FORT MYERS 33917	
2150	Drbris	Debris	26.73748289	-81.8054592	HM - Popash Creek	18781 NALLE RD NORTH FORT MYERS 33917	
2151	Debris and blockade	Debris	26.73790195	-81.8055892	HM - Popash Creek	18781 NALLE RD NORTH FORT MYERS 33917	
2156	Debris in creek	Debris	26.72534253	-81.80945666	HM - Popash Creek	17951 WELLS RD NORTH FORT MYERS 33917	
2157	Debris in creek	Debris	26.72490671	-81.8093903	HM - Popash Creek	17951 WELLS RD NORTH FORT MYERS 33917	
2158	Heavy vegetation S from this point	Vegetation	26.74071053	-81.80466046	HM - Popash Creek	9298 HENDERSON GRADE NORTH FORT MYERS 33917	

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2180	Debris in creek	Debris	26.72779731	-81.80897806	HM - Popash Creek	18198 SANDY PINES CIR NORTH FORT MYERS 33917	
2182	debris/vegetation removal	Debris	26.7326518	-81.80702363	HM - Popash Creek	18425 NALLE RD NORTH FORT MYERS 33917	
2183	debris/vegetation removal	Vegetation	26.73414075	-81.80643124	HM - Popash Creek	18551 NALLE RD NORTH FORT MYERS 33917	
2184	debris removal	Debris	26.7354326	-81.80608687	HM - Popash Creek	18651 NALLE RD NORTH FORT MYERS 33917	
2188	Double CBC (~9x6) w/ wing walls, clear.. replace water gap S of CBC	Other	26.74458178	-81.80663291	HM - Popash Creek	19281 MEREDITH RD NORTH FORT MYERS 33917	
2197	Debris	Debris	26.74832857	-81.80737689	HM - Popash Creek	19500 PINE ECHO RD NORTH FORT MYERS 33917	
2199	Remove old creek crossing... debris N and S of crossing.	Debris	26.74867814	-81.80743338	HM - Popash Creek	19500 PINE ECHO RD NORTH FORT MYERS 33917	
2201	Debris totally has Creek blocked!!	Debris	26.74881837	-81.80754872	HM - Popash Creek	19500 PINE ECHO RD NORTH FORT MYERS 33917	
2210	Creek crossings..debris caught by S bridge	Debris	26.75097993	-81.80934236	HM - Popash Creek	19701 PINE ECHO RD NORTH FORT MYERS 33917	
2213	Debris/ vegetation removal	Debris	26.75242996	-81.80974637	HM - Popash Creek	19801 PINE ECHO RD NORTH FORT MYERS 33917	
2215	Debris	Debris	26.75207448	-81.80988727	HM - Popash Creek	19801 PINE ECHO RD NORTH FORT MYERS 33917	
2216	Debris	Debris	26.75207448	-81.80988727	HM - Popash Creek	19801 PINE ECHO RD NORTH FORT MYERS 33917	
2217	Bank erosion/ vegetation removal	Erosion	26.75316376	-81.80947538	HM - Popash Creek	19901 PINE ECHO RD NORTH FORT MYERS 33917	
1397	Debris downstream and water gap	Debris	26.71860421	-81.8116209	HM - Popash Creek	17300 PRITCHETT PKWY NORTH FORT MYERS 33917	
2146	Debris/ exotics	Debris	26.72938946	-81.80841843	HM - Popash Creek	18178 SANDY PINES CIR NORTH FORT MYERS 33917	
102	End of L canal. Metal gate with 10 mile canal.	Inspected Area	26.57551125	-81.85538834	HM - Whiskey Creek	CANAL FORT MYERS 33912	No action.
136	Resident stated cross drain was blocked after Irma.	Debris	26.57488255	-81.8634101	HM - Whiskey Creek	8237 BEACON BLVD FORT MYERS 33907	No action.
1481	Starting point - L canal	Inspected Area	26.57503046	-81.89237809	HM - Whiskey Creek	1447 WHISKEY CREEK DR FORT MYERS 33919	No action.
1999	48" ADS Pipes inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipes.	Inspected Area	26.56087156	-81.87043126	HM - Whiskey Creek	2100 CHANDLER AVE FORT MYERS 33907	No action.
2002	36" ADS Pipes inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipes.	Inspected Area	26.56088541	-81.86796017	HM - Whiskey Creek	8700 BEACON ST FORT MYERS 33907	No action.
2003	48" RCP Pipes inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56088783	-81.86694328	HM - Whiskey Creek	2207 DOVER AVE FORT MYERS 33907	No action.
2004	36" RCP Pipes inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56097509	-81.85972512	HM - Whiskey Creek	8642 DARTMOUTH ST FORT MYERS 33907	No action.
2007	Ditch bottom inlet inspected. Clear of blockage and no sign of structural damages.	Inspected Area	26.5609691	-81.85866129	HM - Whiskey Creek	8643 EXETER ST FORT MYERS 33907	No action.
2009	Between Austin St. and Beacon St. - Perform calculations to determine if additional capacity is needed in canal. Clear vegetation along canal.	Inspected Area	26.56088118	-81.86868621	HM - Whiskey Creek	2143 DOVER AVE FORT MYERS 33907	No action.
2011	Between Beacon St. and Chatham St. - Perform calculations to determine if additional capacity is needed in canal. Clear vegetation along canal.	Inspected Area	26.56089317	-81.86758918	HM - Whiskey Creek	8700 BEACON ST FORT MYERS 33907	No action.
2012	Between Chatham St. and Dartmouth St. - Perform calculations to determine if additional capacity is needed in canal. Clear vegetation along canal.	Inspected Area	26.56094115	-81.8635766	HM - Whiskey Creek	2284 CHANDLER AVE FORT MYERS 33907	No action.
2013	Between Dartmouth St. and Exeter St. - Perform calculations to determine if additional capacity is needed in canal. Clear vegetation along canal.	Inspected Area	26.56096994	-81.85934676	HM - Whiskey Creek	8700 DARTMOUTH ST FORT MYERS 33907	No action.

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2014	Ditch bottom inlet inspected. Clear of blockage and no sign of structural damages.	Inspected Area	26.56100023	-81.85629508	HM - Whiskey Creek	2460 CHANDLER AVE FORT MYERS 33907	No action.
2015	30" CMP Pipe inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipe.	Inspected Area	26.56091364	-81.86341014	HM - Whiskey Creek	2279 DOVER AVE FORT MYERS 33907	No action.
2016	18" CMP Pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56100301	-81.85617622	HM - Whiskey Creek	2460 CHANDLER AVE FORT MYERS 33907	No action.
2017	36" RCP Pipes inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56097542	-81.85984951	HM - Whiskey Creek	2378 CHANDLER AVE FORT MYERS 33907	No action.
2018	48" RCP Pipes inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56088752	-81.86706008	HM - Whiskey Creek	8701 CHATHAM ST FORT MYERS 33907	No action.
2019	36" ADS Pipes inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipes.	Inspected Area	26.56089712	-81.86817319	HM - Whiskey Creek	8641 BEACON ST FORT MYERS 33907	No action.
2020	48" ADS Pipes inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipes.	Inspected Area	26.56086953	-81.87061467	HM - Whiskey Creek	12519 S CLEVELAND AVE FORT MYERS 33907	No action.
2021	60" RCP Pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56849672	-81.86330232	HM - Whiskey Creek	8601 ELEUTHERA LN FORT MYERS 33907	No action.
2022	60" RCP Pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56897172	-81.86330769	HM - Whiskey Creek	8617 FLORES CT FORT MYERS 33907	No action.
2024	72" CMP Pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.57503133	-81.863419	HM - Whiskey Creek	8237 BEACON BLVD FORT MYERS 33907	No action.
2071	High Watermark (Aug 25-27) EL 10.42 High Watermark (Irma) EL 10.67 Garage Floor EL 9.52 Finish Floor EL 10.17	High Water Indicator	26.5655429	-81.86634133	HM - Whiskey Creek	2158 TREEHAVEN CIR S FORT MYERS 33907	No action.
2072	High Watermark (Irma) EL 10.77 Garage Floor EL 9.96 Finish Floor EL 10.67	High Water Indicator	26.56555969	-81.86492513	HM - Whiskey Creek	2200 TREEHAVEN CIR S FORT MYERS 33907	No action.
2073	High Watermark (Irma) EL 10.72 Garage Floor EL 10.21 Finish Floor EL 10.79	High Water Indicator	26.5655549	-81.86517994	HM - Whiskey Creek	2192 TREEHAVEN CIR S FORT MYERS 33907	No action.
2074	High Watermark (Irma) EL 10.75 Garage Floor EL 9.99 Finish Floor EL 10.15	High Water Indicator	26.56510388	-81.86372618	HM - Whiskey Creek	2233 TREEHAVEN CIR S FORT MYERS 33907	No action.
2075	High Watermark (Irma) EL 11.01 Garage Floor EL 10.49 Finish Floor EL 11.19	High Water Indicator	26.56606109	-81.86782459	HM - Whiskey Creek	8466 BEACON BLVD FORT MYERS 33907	No action.
2102	30" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55629023	-81.86900947	HM - Whiskey Creek	2126 WOODLAND BLVD FORT MYERS 33907	No action.
2103	30" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55653301	-81.86897444	HM - Whiskey Creek	2125 WOODLAND BLVD FORT MYERS 33907	No action.
2104	18" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipes.	Inspected Area	26.55963434	-81.86655311	HM - Whiskey Creek	8720 CHATHAM ST FORT MYERS 33907	No action.
2105	18" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55963408	-81.86692342	HM - Whiskey Creek	8720 CHATHAM ST FORT MYERS 33907	No action.
2106	18" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55962877	-81.8670299	HM - Whiskey Creek	8725 CHATHAM ST FORT MYERS 33907	No action.
2107	18" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55963416	-81.86694653	HM - Whiskey Creek	8720 CHATHAM ST FORT MYERS 33907	No action.
2109	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages. Perform calculations to evaluate upsizing pipe.	Inspected Area	26.5613583	-81.86340843	HM - Whiskey Creek	2285 CHANDLER AVE FORT MYERS 33907	No action.
2110	Dual 24" ADS pipes inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.5613017	-81.86341162	HM - Whiskey Creek	2284 CHANDLER AVE FORT MYERS 33907	No action.
2111	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56144783	-81.86340163	HM - Whiskey Creek	2285 CHANDLER AVE FORT MYERS 33907	No action.
2112	Ending point for inspected area of canal.	Inspected Area	26.56286524	-81.86339421	HM - Whiskey Creek	2285 SUNRISE BLVD FORT MYERS 33907	No action.
2113	Starting point for inspected area of canal.	Inspected Area	26.56363774	-81.86336605	HM - Whiskey Creek	2280 ALDRIDGE AVE FORT MYERS 33907	No action.
2114	24" RCP pipe inspected. Perform calculations to evaluate upsizing pipe.	Inspected Area	26.56296869	-81.8633921	HM - Whiskey Creek	2285 SUNRISE BLVD FORT MYERS 33907	No action.

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2115	36" ADS pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56267306	-81.86758506	HM - Whiskey Creek	8600 BEACON ST FORT MYERS 33907	No action.
2118	30" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55822954	-81.86746675	HM - Whiskey Creek	8755 CHATHAM ST FORT MYERS 33907	No action.
2119	30" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55813132	-81.86746567	HM - Whiskey Creek	8761 CHATHAM ST FORT MYERS 33907	No action.
2122	24" RCP pipe inspected. No Blockage of pipe noted. No sign of pipe structural damages.	Inspected Area	26.5628648	-81.86339267	HM - Whiskey Creek	2285 SUNRISE BLVD FORT MYERS 33907	No action.
2124	Weir inspected. Clear of blockage except for the attached wire mesh to keep fish in the lake. Perform calculations to evaluate weir elevations and dimensions.	Inspected Area	26.55713536	-81.86746153	HM - Whiskey Creek	SUBMERGED FORT MYERS	No action.
2125	Drainage inflow to lake inspected. Perform calculations to evaluate drainage component.	Inspected Area	26.55673167	-81.86751145	HM - Whiskey Creek	SUBMERGED FORT MYERS	No action.
2132	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55654753	-81.85936874	HM - Whiskey Creek	2378 IVY AVE FORT MYERS 33907	No action.
2133	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55654259	-81.85915391	HM - Whiskey Creek	2401 WOODLAND BLVD FORT MYERS 33907	No action.
2135	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55681085	-81.85926723	HM - Whiskey Creek	2380 IVY AVE FORT MYERS 33907	No action.
2138	30" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55968255	-81.85925916	HM - Whiskey Creek	8724 DARTMOUTH ST FORT MYERS 33907	No action.
2139	30" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.55978451	-81.85925848	HM - Whiskey Creek	8720 DARTMOUTH ST FORT MYERS 33907	No action.
2141	30" CMP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56088354	-81.85925075	HM - Whiskey Creek	8700 DARTMOUTH ST FORT MYERS 33907	No action.
2143	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56288917	-81.8592494	HM - Whiskey Creek	2366 SUNRISE BLVD FORT MYERS 33907	No action.
2144	24" RCP pipe inspected. Clear of blockage and no sign of pipe structural damages.	Inspected Area	26.56301171	-81.8592478	HM - Whiskey Creek	2367 SUNRISE BLVD FORT MYERS 33907	No action.
2148	12" x 18" RCP pipes inspected. No sign of pipe structural damages.	Inspected Area	26.56443916	-81.85923448	HM - Whiskey Creek	2402 CRYSTAL DR FORT MYERS 33907	No action.
2224	2225 Dover Ave. High water mark on the north side of house - EL 10.55; Finish Floor EL 10.47; Garage Floor EL 10.07.	High Water Indicator	26.56063733	-81.8658561	HM - Whiskey Creek	2225 DOVER AVE FORT MYERS 33907	No action.
2229	13128 Tall Pine Circle. High water mark back porch - EL 10.42; High water mark back of garage - EL 10.37. Finish Floor EL 10.62; Garage Floor EL 10.17.	High Water Indicator	26.55271	-81.86399849	HM - Whiskey Creek	13124 TALL PINE CIR FORT MYERS 33907	No action.
L13	Canal section narrows past double culvert.	Inspected Area	26.57534368	-81.87219835	HM - Whiskey Creek	11294 S CLEVELAND AVE FORT MYERS 33907	No action.
L25	Canal section narrows from this point.	Inspected Area	26.56056153	-81.88655022	HM - Whiskey Creek	6201 PRESIDENTIAL CT FORT MYERS 33919	No action.
L36	Canal currently clear of debris; evidence of recently cleared debris.	Inspected Area	26.56331922	-81.86336741	HM - Whiskey Creek	2280 ALDRIDGE AVE FORT MYERS 33907	No action.
L38	Residents on tree haven circle flooded twice due to rain and Irma. Contact Gary for more information.	High Water Indicator	26.5666546	-81.86549354		2186 TREEHAVEN CIR N FORT MYERS 33907	No action.
A27	Missing triple culverts under canal access berm.	Inspected Area	26.57540347	-81.86342401	HM - Whiskey Creek	8237 BEACON BLVD FORT MYERS 33907	No action.
104	debris blocking creek at various locations	Debris	26.71546335	-81.79970863	HM - Stroud Creek	9665 BAYSHORE RD NORTH FORT MYERS 33917	No action.
162	flow way clear (3)	Other	26.71197773	-81.80000487	HM - Stroud Creek	17051 CYPRESS CREEK DR NORTH FORT MYERS 33917	No action.
163	flow way clear (6)	Other	26.71276193	-81.80005712	HM - Stroud Creek	17121 CYPRESS CREEK DR NORTH FORT MYERS 33917	No action.
165	west oxbow, no flow, vegetation (9)	Vegetation	26.71445166	-81.80039774	HM - Stroud Creek	9560 BAYSHORE RD NORTH FORT MYERS 33917	No action.
166	Debris impeding flow	Debris	26.71649612	-81.79967376	HM - Stroud Creek	9665 BAYSHORE RD NORTH FORT MYERS 33917	No action.

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167	debris impeding flow, cypress knees in creek catching debris	Debris	26.71677626	-81.79944451	HM - Stroud Creek	9665 BAYSHORE RD NORTH FORT MYERS 33917	No action.
169	open low flow	Other	26.71906117	-81.79920392	HM - Stroud Creek	17500 NALLE RD NORTH FORT MYERS 33917	No action.
170	debris	Debris	26.71893109	-81.79948832	HM - Stroud Creek	17500 NALLE RD NORTH FORT MYERS 33917	No action.
230	Debris in Creek and vegetated area	Debris	26.7145625	-81.79982011	HM - Stroud Creek	9610 BAYSHORE RD NORTH FORT MYERS 33917	No action.
231	looking S	Vegetation	26.71481721	-81.7997497	HM - Stroud Creek	9610 BAYSHORE RD NORTH FORT MYERS 33917	No action.
232	flow way clear	Other	26.71941592	-81.79905727	HM - Stroud Creek	17500 NALLE RD NORTH FORT MYERS 33917	No action.
243	Clear to S , tree in flow way to N	Debris	26.726751	-81.7982195	HM - Stroud Creek	18000 NALLE RD NORTH FORT MYERS 33917	No action.
245		Debris	26.72070318	-81.79897197	HM - Stroud Creek	17710 NALLE RD NORTH FORT MYERS 33917	No action.
246		Debris	26.72086093	-81.79893537	HM - Stroud Creek	17710 NALLE RD NORTH FORT MYERS 33917	No action.
247		Debris	26.72116479	-81.79872571	HM - Stroud Creek	9791 W BAHIA VISTA NORTH FORT MYERS 33917	No action.
248	sediment	Debris	26.72140881	-81.79863906	HM - Stroud Creek	9791 W BAHIA VISTA NORTH FORT MYERS 33917	No action.
249	debris and HWM	Debris	26.72173337	-81.79847898	HM - Stroud Creek	9801 W BAHIA VISTA NORTH FORT MYERS 33917	No action.
250	debris narrow flow way	Debris	26.72192992	-81.79842232	HM - Stroud Creek	17710 NALLE RD NORTH FORT MYERS 33917	No action.
251		Debris	26.72212647	-81.79837227	HM - Stroud Creek	17710 NALLE RD NORTH FORT MYERS 33917	No action.
252	flow way fairly clear	Other	26.72237658	-81.79833897	HM - Stroud Creek	17801 RICH BRANN LN NORTH FORT MYERS 33917	No action.
327	deck structure built over creek edge and rock weir placed in flowway	Other	26.7248437	-81.79781515	HM - Stroud Creek	17931 RICH BRANN LN NORTH FORT MYERS 33917	No action.
329	flow way fairly clear	Other	26.72596047	-81.79773245	HM - Stroud Creek	17970 NALLE RD NORTH FORT MYERS 33917	No action.
330	flow way clear	Other	26.72545674	-81.79772367	HM - Stroud Creek	17970 NALLE RD NORTH FORT MYERS 33917	No action.
331	debris blocking creek	Debris	26.72445193	-81.79785232	HM - Stroud Creek	17881 RICH BRANN LN NORTH FORT MYERS 33917	No action.
332	Debris	Debris	26.72423752	-81.79781617	HM - Stroud Creek	17881 RICH BRANN LN NORTH FORT MYERS 33917	No action.
438	flow way fairly clear	Vegetation	26.72022452	-81.79897571	HM - Stroud Creek	9631 SHADOW OAK LN NORTH FORT MYERS 33917	No action.
652	Connection from Stroud Cr to Popash Cr, photos looking W	Other	26.7468785	-81.80150763	HM - Stroud Creek	19480 NALLE RD NORTH FORT MYERS 33917	No action.
653	resident staff gage. HWM is garage El. 15.70	High Water Indicator	26.72870068	-81.79902013	HM - Stroud Creek	18130-140 NALLE RD NORTH FORT MYERS 33917	No action.
656	creek has been realigned and culverted @ Merle Dr.; staff gage on north side	High Water Indicator	26.7462318	-81.79549672	HM - Stroud Creek	9851 MERLE DR NORTH FORT MYERS 33917	No action.
659	90 deg. bend in ditch to east	Other	26.74433661	-81.7954295	HM - Stroud Creek	9900 MERLE DR NORTH FORT MYERS 33917	No action.
663	walk bridge	Other	26.74000878	-81.79609931	HM - Stroud Creek	9750 VERONICA BLVD NORTH FORT MYERS 33917	No action.
664	End Debris/Vegetation Removal..ditch clear to N; overgrown with peppers to W	Other	26.74810595	-81.7934722	HM - Stroud Creek	19531 DURRANCE RD NORTH FORT MYERS 33917	No action.

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
681	N-S road pipe crossing, vegetation N	Vegetation	26.75167772	-81.79544779	HM - Stroud Creek	9901 ST PAUL RD NORTH FORT MYERS 33917	No action.
682	old creek	Other	26.75167773	-81.79452567	HM - Stroud Creek	9901 ST PAUL RD NORTH FORT MYERS 33917	No action.
687	Walk Bridge in good shape, vegetaion to N	Vegetation	26.72951052	-81.7983021	HM - Stroud Creek	18151-81 DURRANCE RD NORTH FORT MYERS 33917	No action.
688	Flowway fairly clear	Other	26.72928781	-81.79842058	HM - Stroud Creek	18151-81 DURRANCE RD NORTH FORT MYERS 33917	No action.
689	Flow way clear	Other	26.72901085	-81.79866145	HM - Stroud Creek	18100 NALLE RD NORTH FORT MYERS 33917	No action.
691	Ditch merging from east	Debris	26.73051001	-81.79767664	HM - Stroud Creek	18151-81 DURRANCE RD NORTH FORT MYERS 33917	No action.
692	next to conveyance ditch from Road to the east	Vegetation	26.73042772	-81.79506203	HM - Stroud Creek	18151-81 DURRANCE RD NORTH FORT MYERS 33917	No action.
694	ditch chocked with vegetation	Vegetation	26.7305426	-81.79739752	HM - Stroud Creek	18331/335 DURRANCE RD NORTH FORT MYERS 33917	No action.
724	Recent modifications to ditching. Photo 1 looks N, photo 2 looks S	Other	26.75071737	-81.78933208	HM - Stroud Creek	10100 ST PAUL RD NORTH FORT MYERS 33917	No action.
741	Walk bridge to SE and debris to NE	Debris	26.75643198	-81.79445233	HM - Stroud Creek	9901 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
751		Debris	26.75472966	-81.79331064	HM - Stroud Creek	9950 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
763	EW ditch merge to NS Stroud Cr. , photo 1 looks W.	Debris	26.75322494	-81.79323662	HM - Stroud Creek	10011 ST PAUL RD NORTH FORT MYERS 33917	No action.
773	Road ditchâ€™s from Nalle Rd need cleaning. And extended out fall to Strouds Cr chocked with Vegetation. Photo 1 Looks west, 2 and 3 looks E. Australian pines towards creek.	Vegetation	26.75528488	-81.79443725	HM - Stroud Creek	9901 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
877	E/W ditch across easement with pipe (~ 36â€³s) heading towards SC	Debris	26.75328047	-81.7914118	HM - Stroud Creek	10011 ST PAUL RD NORTH FORT MYERS 33917	No action.
878	Ditch bermed on south side, filled with aquatic vegetation. Photo 1 E and photo 2 W	Vegetation	26.75322876	-81.79233088	HM - Stroud Creek	10011 ST PAUL RD NORTH FORT MYERS 33917	No action.
886	drainage connection from easement	Inspected Area	26.7496567	-81.78935423	HM - Stroud Creek	19530 DURRANCE RD NORTH FORT MYERS 33917	No action.
888	ditch filled in sediment	Sediment	26.75090179	-81.78938499	HM - Stroud Creek	10050 ST PAUL RD NORTH FORT MYERS 33917	No action.
892	Sediment clear conditions		26.75542871	-81.8016036	HM - Stroud Creek	9551 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
911		Inspected Area	26.75101182	-81.78934786	HM - Stroud Creek	10050 ST PAUL RD NORTH FORT MYERS 33917	No action.
912	modified ditching	Inspected Area	26.7514061	-81.78935151	HM - Stroud Creek	10050 ST PAUL RD NORTH FORT MYERS 33917	No action.
913	Ditch filled with sediment	Sediment	26.75169856	-81.79010213	HM - Stroud Creek	10011 ST PAUL RD NORTH FORT MYERS 33917	No action.
914	ditch diversion, looking E	Inspected Area	26.75154736	-81.78994759	HM - Stroud Creek	10011 ST PAUL RD NORTH FORT MYERS 33917	No action.
916	ditch from easement turns W and merges into creek	Debris	26.7552681	-81.79325362	HM - Stroud Creek	9951 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
918	End Debris/Vegetation Removal	Debris	26.75545141	-81.79351306	HM - Stroud Creek	9951 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
919		Debris	26.75334821	-81.79343042	HM - Stroud Creek	9951 ST PAUL RD NORTH FORT MYERS 33917	No action.
920	the connection of the E-W ditch is very shallow and blocked sediment	Sediment	26.75336104	-81.79334014	HM - Stroud Creek	10011 ST PAUL RD NORTH FORT MYERS 33917	No action.
921	flow way fairly clear	Inspected Area	26.7309094	-81.79727246	HM - Stroud Creek	18331/335 DURRANCE RD NORTH FORT MYERS 33917	No action.

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923	natural creek coming from the W	Vegetation	26.73238845	-81.79561143	HM - Stroud Creek	18481 DURRANCE RD NORTH FORT MYERS 33917	No action.
929	walk bridge crossing	Inspected Area	26.73578739	-81.79396273	HM - Stroud Creek	18681 DURRANCE RD NORTH FORT MYERS 33917	No action.
933	3 pipe crossing, 2-24" & 1-36", N side ditch need cleaned	Vegetation	26.73703167	-81.79331264	HM - Stroud Creek	10041 DEAL RD NORTH FORT MYERS 33917	No action.
934		Vegetation	26.73701512	-81.79365517	HM - Stroud Creek	18801 DURRANCE RD NORTH FORT MYERS 33917	No action.
986	HWM on power pole	High Water Indicator	26.75494577	-81.79274367	HM - Stroud Creek	9950 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
987	Ditching in fpl easement ~36" ads pipe, photo 1 looking N, 3 looking SW, 4 looking SE	Other	26.75570764	-81.79349908	HM - Stroud Creek	9951 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
1083		Vegetation	26.75824617	-81.79591128	HM - Stroud Creek	20300 NALLE RD NORTH FORT MYERS 33917	No action.
1089	End Debris/Vegetation Removal	Vegetation	26.76014749	-81.79746862	HM - Stroud Creek	20300 NALLE RD NORTH FORT MYERS 33917	No action.
1090	36" CMP road crossing	Vegetation	26.75989703	-81.79739496	HM - Stroud Creek	20300 NALLE RD NORTH FORT MYERS 33917	No action.
1127	2-18" ADS	Inspected Area	26.75985638	-81.79795106	HM - Stroud Creek	20300 NALLE RD NORTH FORT MYERS 33917	No action.
1491	flow way clear (5)	Other	26.71006381	-81.8005562	HM - Stroud Creek	16930 CYPRESS CREEK DR NORTH FORT MYERS 33917	No action.
1492	flow way clear (4)	Other	26.71103355	-81.80017625	HM - Stroud Creek	16930 CYPRESS CREEK DR NORTH FORT MYERS 33917	No action.
1493	bridge flow way narrows south side; debris HWM	Sediment	26.71493302	-81.79989206	HM - Stroud Creek	9560 BAYSHORE RD NORTH FORT MYERS 33917	No action.
1789	Pipe clear no flow sediment		26.75527587	-81.80158416	HM - Stroud Creek	9550 QUAIL HOLLOW RD NORTH FORT MYERS 33917	No action.
1823	Looking E towards Deal Rd	Vegetation	26.73702317	-81.79446489	HM - Stroud Creek	18801 DURRANCE RD NORTH FORT MYERS 33917	No action.
1977	add existing pipe connection to Creek!!		26.71525903	-81.80801035	HM - Stroud Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
1978	Set BM Elev. 15.81 ('88) : (Based on Nalle Rd plans, LDOT April 1996, Top of CB Elev. 17.01 ('29). GPS confirmed Elev. 16.0 +/- 0.15')	Other	26.7283719	-81.80167599	HM - Stroud Creek	18141 NALLE RD NORTH FORT MYERS 33917	No action.
2095	End Debris/Vegetation Removal	Vegetation	26.72776694	-81.798495	HM - Stroud Creek	18100 NALLE RD NORTH FORT MYERS 33917	No action.
2096	End Debris/Vegetation Removal	Vegetation	26.73081271	-81.79752276	HM - Stroud Creek	18331/335 DURRANCE RD NORTH FORT MYERS 33917	No action.
2097	End Debris/Vegetation Removal	Vegetation	26.73130493	-81.7963536	HM - Stroud Creek	18331/335 DURRANCE RD NORTH FORT MYERS 33917	No action.
2098	End Debris/Vegetation Removal	Vegetation	26.73364379	-81.79419485	HM - Stroud Creek	18531-591 DURRANCE RD NORTH FORT MYERS 33917	No action.
2099	End Debris/Vegetation Removal	Vegetation	26.7345157	-81.79385514	HM - Stroud Creek	18631 DURRANCE RD NORTH FORT MYERS 33917	No action.
2120	Garage slab El 6.20 , resident stated HW was ~3" over the slab = El 6.45	High Water Indicator	26.71544176	-81.80005571	HM - Stroud Creek	9561 BAYSHORE RD NORTH FORT MYERS 33917	No action.
A36	Incoming flow from the northwest canal. Rip rap rock weir on both ditch entrances blocking flow. Bridge itself is clear.	Debris	26.75549252	-81.80961371	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
222	clear	Inspected Area	26.74618292	-81.81735614	HM - Bayshore Creek	8500 DOSONTE LN NORTH FORT MYERS 33917	No action.
205	Area clear and in good working conditions	Inspected Area	26.72723868	-81.82507152	HM - Bayshore Creek	18010 LEETANA RD NORTH FORT MYERS 33917	No action.
221	3 rcp pipes upstream	Inspected Area	26.74628407	-81.8174262	HM - Bayshore Creek	8501 DOSONTE LN NORTH FORT MYERS 33917	No action.

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
227	Choke point in creek minor erosion	Sediment	26.75089479	-81.81809535	HM - Bayshore Creek	8350 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
233	Resident: water was approaching road from ditches/swales but not near the house	High Water Indicator	26.71905239	-81.82166051	HM - Bayshore Creek	8245 W JAMESTOWN CIR NORTH FORT MYERS 33917	No action.
272	Owners: During Irma and heavy rains their property did not flood. Bayshore Creek did not over flow onto the property.	High Water Indicator	26.72129831	-81.82541806	HM - Bayshore Creek	17610 EAST ST NORTH FORT MYERS 33917	No action.
273	Area was saturated but not due to flooding. Low amount of sunlight to dry land out.	Inspected Area	26.72130789	-81.8232723	HM - Bayshore Creek	WILLIAMSBURG DR NORTH FORT MYERS 33917	No action.
274	175 headwall looked clear of debris	Inspected Area	26.7221512	-81.82420571	HM - Bayshore Creek	17875 CHESTERFIELD RD NORTH FORT MYERS 33917	No action.
862	Note: West water level 9-10" above invert. East water level 3" above invert		26.75549405	-81.82217237	HM - Bayshore Creek	8181 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
866	Ditch clear slow flow		26.75550038	-81.82141942	HM - Bayshore Creek	8251 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
867	Good condition. No flow from north.		26.75549635	-81.82011176	HM - Bayshore Creek	20025 WELBORN RD NORTH FORT MYERS 33917	No action.
1495	good conditions	Inspected Area	26.71461695	-81.8215885	HM - Bayshore Creek	8340 BAYSHORE RD NORTH FORT MYERS 33917	No action.
1496	very wide, clean no obstructions	Inspected Area	26.72530403	-81.82498374	HM - Bayshore Creek	17945 CHESTERFIELD RD NORTH FORT MYERS 33917	No action.
1498			26.73657476	-81.8247922	HM - Bayshore Creek	8201 HUNTERS GLEN CIR NORTH FORT MYERS 33917	No action.
1762	Clear but saturated soil		26.75536476	-81.82596208	HM - Bayshore Creek	19790-96 D AND L RANCH DR NORTH FORT MYERS 33917	No action.
1767	Clear conditions flow moving east. Narrower than at Williams. Wash out on east side at culvert created small damn 50 to the east. Pipe not being utilized to 100%		26.75547406	-81.82301433	HM - Bayshore Creek	8181 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
303	Resident questionnaire		26.75533685	-81.85605604	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
185	Survey creek bottom for increase in depth/capacity	Inspected Area	26.71041165	-81.81583652	HM - Bayshore Creek	GOVT LOT NORTH FORT MYERS 33917	No action.
197	750 l.f. Debris/Vegetation Removal	Debris	26.72087931	-81.82293904	HM - Bayshore Creek	WILLIAMSBURG DR NORTH FORT MYERS 33917	No action.
1497	Culverts require clearing of debris build-up	Debris	26.72555093	-81.82493955	HM - Bayshore Creek	17980 LEETANA RD NORTH FORT MYERS 33917	No action.
1525	Culverts require clearing of debris build-up	Debris	26.7230869	-81.82437153	HM - Bayshore Creek	17885 CHESTERFIELD RD NORTH FORT MYERS 33917	No action.
1526	750 l.f. Debris/Vegetation Removal south of point. Box Culvert requires sediment removal	Vegetation	26.72235398	-81.82409895	HM - Bayshore Creek	17875 CHESTERFIELD RD NORTH FORT MYERS 33917	No action.
1770	Replace 2 - road culverts with 1 RCP culvert		26.75547217	-81.82213775	HM - Bayshore Creek	8181 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
310	driveway 24" rcp clear		26.75531597	-81.85381588	HM - Daughtrey Creek	6291 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
311	driveway, culvert contains some debris. House/garage elev. is lower than road. Ditch steep and small. 24" rcp		26.75531597	-81.85381588	HM - Daughtrey Creek	6291 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
318	North description. Constant flow from ne creek. No flow from nw creek. No debris blocking underpass. Minor vegetation.		26.75549313	-81.85147047	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
319	daughtery		26.75538485	-81.85140859	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
320	East canal clear to drain into daughterys creek		26.75540512	-81.85131833	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
373	24" rcp		26.75552309	-81.83745101	HM - Daughtrey Creek East	7281 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
382	19x30 ercp north south clear		26.75551724	-81.8359008	HM - Daughtrey Creek East	7351/7357 NALLE GRADE RD NORTH FORT MYERS 33917	No action.

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834	Pipe clear slow flow west		26.75552766	-81.83223057	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
844	Clear with some sediment build up in pipe. Creek from north looks clear. Private propety		26.75551006	-81.83005102	HM - Daughtrey Creek East	7721 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
879	No flow of water		26.75549464	-81.81030653	HM - Popash Creek	8951 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1125	HW pictures provided by resident, taken Sept. 12	High Water Indicator	26.73653257	-81.80596751	HM - Popash Creek	9100 SEDGEFIELD RD NORTH FORT MYERS 33917	No action.
1133	Looking S	Debris	26.76465647	-81.80178323	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1139	photo 1 Ditch turns to Nalle Rd, photo 2 Nalle Rd drive culvert, * note N-S berm ends	Inspected Area	26.7642689	-81.80176403	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1140	Ditches allow flow to bypasses weir... photo 1 Looking S, photo 4 Looking N, photo 6 looking NW	Inspected Area	26.76512709	-81.80168318	HM - Popash Creek	20701 NALLE RD NORTH FORT MYERS 33917	No action.
1398	~3" WM in big cypress tree	Debris	26.7183054	-81.81126341	HM - Popash Creek	17300 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
1400	Manager of park helps maintain the creek and his side.	Inspected Area	26.7193015	-81.8115287	HM - Popash Creek	8991 TRIPLETT RD NORTH FORT MYERS 33917	No action.
1402	Walk/cart bridge	Inspected Area	26.71992566	-81.8108304	HM - Popash Creek	8991 TRIPLETT RD NORTH FORT MYERS 33917	No action.
1414		Vegetation	26.71606379	-81.80956448	HM - Popash Creek	17250 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
1415	Seminole Campground, HW was up to the back of the office, near pool. Majority of park had water flowing across.	Inspected Area	26.7186779	-81.80991972	HM - Popash Creek	17300 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
1528	nalle grade huber 15" pipe		26.7551887	-81.85674934	HM - Daughtrey Creek	19950 HUBER RD NORTH FORT MYERS 33917	No action.
1529	driveway crossing		26.75524714	-81.85439791	HM - Daughtrey Creek	6231 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1530	Driveway culvert clear of debris and vegetation		26.75523953	-81.85451301	HM - Daughtrey Creek	6201 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1531	Driveway culvert clear. Minor vegetation on west side. 24" rcp		26.75518786	-81.85364373	HM - Daughtrey Creek	6350 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1532	southwest side daughter creek		26.75526435	-81.85145811	HM - Daughtrey Creek	6421 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1533	daughter bridge south		26.75525779	-81.85149374	HM - Daughtrey Creek	19991 SLATER RD NORTH FORT MYERS 33917	No action.
1536	14x23 ercp high fl clear pipe		26.7552498	-81.85042628	HM - Daughtrey Creek	19991 SLATER RD NORTH FORT MYERS 33917	No action.
1537	No pipes. Has to flow east or onto property		26.75529787	-81.85017337	HM - Daughtrey Creek East	6600 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1541	6541 nalle grade 18" rcp		26.75540549	-81.84956549	HM - Daughtrey Creek	6541 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1552	18" rcp driveway		26.7554883	-81.84421345	HM - Daughtrey Creek	6801 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1553	Minor vegetation and sediment on 18" rcp culvert		26.75543357	-81.84440561	HM - Daughtrey Creek	6801 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1559	18" rcp		26.75541524	-81.84120198	HM - Daughtrey Creek East	7050 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1568	inlet in gravel road		26.75541085	-81.83814905	HM - Daughtrey Creek East	7170 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1571	regards forward se connection to nalle grade swale		26.75538602	-81.83810793	HM - Daughtrey Creek East	7300 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1575	24"		26.7555062	-81.83758295	HM - Daughtrey Creek East	20010 CAMPBELL RD NORTH FORT MYERS 33917	No action.

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1576	No debris. Puddling in ditch. Clear through the pipe.		26.75549472	-81.83676819	HM - Daughtrey Creek East	7301 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1577	east of Pearce st north south crossing 19x30 ercp		26.75538432	-81.83626943	HM - Daughtrey Creek East	7300 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1578	north south crossing pipe clear		26.755488	-81.83625933	HM - Daughtrey Creek East	7351/7357 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1581	flowway		26.7555009	-81.83556708	HM - Daughtrey Creek East	7351/7357 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1587	30''' driveway culvert. good condition.		26.7554067	-81.8336507	HM - Daughtrey Creek East	7570 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1589	cross road pipes. 15x24 ercp. clear of debris.		26.75540565	-81.83369265	HM - Daughtrey Creek East	7570 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1590	cross pipe invert higher than detention bottom causing water to stand.		26.75548069	-81.83368557	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1591	lower pipe north south		26.75549395	-81.83387486	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1593	north south		26.75540377	-81.8338779	HM - Daughtrey Creek East	7570 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1752	New pipe some sediment clear of debris. Holding water ditch is saturated		26.75545495	-81.83232713	HM - Daughtrey Creek East	7601 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1754	Sediment clear of debris		26.7554179	-81.83256232	HM - Daughtrey Creek East	7640 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1760	Long standing sediment due to moss growth in pipe		26.7553837	-81.82824128	HM - Daughtrey Creek East	19921 WOODBRIDGE LN NORTH FORT MYERS 33917	No action.
1761	Ditch and culvert clear		26.7553946	-81.82812285	HM - Daughtrey Creek East	7900 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1763	Constant flow from north splitting east and west. Clear conditions.		26.75550189	-81.8262054	HM - Daughtrey Creek East	7871 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1764	Clear but no flow, invert to high.		26.75548018	-81.82634278	HM - Daughtrey Creek East	7871 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1782	Minimal flow to popish creek. Standing water to the west.		26.7554749	-81.80981468	HM - Popash Creek	9451 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1784	No flow from west or east ditches. Slow flow downstream		26.75537607	-81.80941168	HM - Popash Creek	9000 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
1944	Looking S from Bayshore bridge	Vegetation	26.71478567	-81.80841423	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
2069	HWM El 6.31, 8-30-17 ; HWM El 7.97, 9-11-17; level receded to El 5.32 on 9-9-17 (based on County data recorders @ bridge)	High Water Indicator	26.71579392	-81.80878766	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
239	Resident willing to be contacted about flooding. 18250 Caton Lane.		26.72971808	-81.84395275	HM - Daughtrey Creek East	18250 CATON LN NORTH FORT MYERS 33917	No action.
2094	End Debris/ Vegetation removal	Vegetation	26.71562057	-81.80864883	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
2121	Top of Berm El. ~ 5.70 (low)	Other	26.7154882	-81.8080032	HM - Popash Creek	17200 PRITCHETT PKWY NORTH FORT MYERS 33917	No action.
2131	Debris clearing, just S of Esmt	Debris	26.7259064	-81.8092852	HM - Popash Creek	17951 WELLS RD NORTH FORT MYERS 33917	No action.
2160	vegetation to thick to get to creek from W side,	Other	26.73938152	-81.8051082	HM - Popash Creek	18901 NALLE RD NORTH FORT MYERS 33917	No action.
2194	Flow way well maintained..	Inspected Area	26.74651758	-81.80703248	HM - Popash Creek	19401 MEREDITH RD NORTH FORT MYERS 33917	No action.
L39	Heavy vegetation, could not access	Vegetation	26.71332117	-81.81938837	HM - Bayshore Creek	ACCESS UNDETERMINED NORTH FORT MYERS	No action.
L56	Pine needle build up blocking flow path.	Debris	26.75562498	-81.81488353	HM - Bayshore Creek	8701 NALLE GRADE RD NORTH FORT MYERS 33917	No action.

Observation ID	Findings	Observation	LatDD	LongDD	Watershed	Address	Consultant Remarks
L41			26.75525781	-81.85633515		6201 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
L53	No drainage access due to erosion and sediment build up. Must flow east or west until water levels rise		26.75528435	-81.82182827		8350 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
A30	heavily blocked with dead vegetation	Vegetation	26.74281039	-81.81836351	HM - Bayshore Creek	8401 HENDERSON GRADE NORTH FORT MYERS 33917	No action.
A33	Pipe is under sized at crossing, starting to erode creek sides and everything around downstream culvert.	High Water Indicator	26.75680321	-81.85027918	HM - Daughtrey Creek	6501 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
A35	Incoming flow from north. Clear to travel. Flowing both west and east directions.	Inspected Area	26.75551575	-81.82619429	HM - Daughtrey Creek East	8081 NALLE GRADE RD NORTH FORT MYERS 33917	No action.
A34	Pipe inverts are incorrect to direct flow the proper way. Obvious effect of flow. Wash out has built a sediment weir also effecting flow to the east.		26.75548572	-81.822084		8251 NALLE GRADE RD NORTH FORT MYERS 33917	No action.

Lee County Post Storm Flood Assessment

8. Public Involvement & Citizen Input

Due to the nature of the impacts that Lee County residents encountered during the late August, 2017 rain events and Hurricane Irma, it was imperative that public feedback be collected. A "Flood Analysis Questionnaire" was prepared by the County and was utilized to collect information specific about the public's experience during these events. The initial questionnaire utilized, was entered by the Consultants, included physical location of residence; years lived at location; and specifics related to high water, flooding and experience during the storm events.

Subsequent to the initial "Flood Analysis Questionnaire", the County made available a questionnaire online through the County's website. The County residents were able to access and provide feedback directly and with photos, if available.

Included in this Public Involvement Section are spreadsheets that summarize all the information that was entered through utilizing the "Flood Analysis Questionnaire".

Areas of concern were addressed in this report and specific work items were indentified.

Whiskey Creek Public Summary

1. Pinelake

- On 11-20-2017, David Dowling met with Pinelake HOA members Steve Herring and Jean Urbancic to discuss the objectives of the phase I flood assessments, an overview of the drainage system within the watershed, and their flooding experiences for both the August 25-27 and Hurricane Irma storm events. Steve provided hard copy documentation of flooding statements from Pinelake residents and a map of Pinelake identifying current property owners and additional residents that experienced flooding.
- On 10/1/17, 11/7/17, 11/14/17 and 11/27/17 contacts/interviews made and information collected from various residents.
- On 12-6-2017 Hole Montes collected high water marks at 2158, 2200, 2192, and 2233 Treehaven Circle as well as 8466 Beacon Blvd.

2. Villas

- On 12-1-2017 David Dowling emailed a pdf of the flooding questionnaire to Ms. Lepa (Villas HOA member) who is representing the Villas on behalf of their Civic Association Board.

- On 12-5-2017 Ms. Lepa provided an email with a google interactive map link of collected observations, photos, and historical information from residents of the Fort Myers Villas. Photos were taken on August 27 and after Hurricane Irma to document the widespread flooding of the Villas neighborhood.
- On 12-13-2017, a meeting with the Villas HOA members (Ms. Lepa, Mr. Whan, and Ms. Noack), County staff members (Roland Ottolini, Steve Farah), Commissioner Cecil Pendergrass, and Hole Montes staff (Bob Murray and David Dowling) took place at the Hole Montes Fort Myers office to discuss scope and schedule of the Hole Montes work, areas of concern, and maintenance responsibilities maintaining lakes within the subdivision. Ms. Lepa provided a meeting synopsis and summary letter.
- On 12-18-2017 Hole Montes researched plats for Lake Chatham and Garden Lake. Both plats state that the Lakes are common property of the abutting property owners. Further investigations to consider lake improvements would need to be initiated by the Villas HOA.
- On 12-19-2017 and 12-28-2017, as a follow up to the 12-13-2017 meeting, David Dowling met with Ms. Lepa to walk additional areas of concern within the Villas neighborhood.
- On 12-20-2017 Hole Montes collected high water marks at 2225 Dover Ave.

3. Pinebrook Woods

- On 12-14-2017 Mr. Leis emailed storm photos taken on August 27 and a photo of the weir control structure north of the Daniels Pkwy right of way and east of Bell Tower Drive taken in November 2017. Further investigations to consider lake improvements would need to be initiated by the Pinebrook HOA.
- On 12-20-2017, David Dowling met with Mr. Leis to walk areas of concern within the Pinebrook Woods neighborhood. Mr. Leis provided documentation consisting of contacts, photo map with notes, street view map with notes, and an aerial with notes.
- On 12-20-2017 Hole Montes collected high water marks at 13128 Tall Pine Circle.

CONSULTANT INPUTTED QUESTIONNAIRES

Object ID	Report date	Watershed	Property Address	How many years have you lived at this location?	Did owner/resident stay at property during Hurricane Irma?	Is this the highest you have seen the water level?	Was your house flooded?	How deep?	Owner/Resident's summary of flooding experience as a result of Irma and 8/25-27 storms?	Any photos available?	High water marks available for survey?	Preparer's comments/observations	x	y
10	11/8/2017		6201 nalle grade		Yes	Yes	Yes	1' in garage, 3" across road,				Fence was flooded and fell over	-9112207.34	3092928.52
16	11/13/2017	Stroud Creek	18140 Nalle Rd	21	Yes	Yes	No		resident placed a staff gage in creek prior to storm, marked in feet from creek bottom. made it to the 7' mark!		Yes	August rain event not a problem; marked HW inside garage;	-9105851.69	3089637.17
17	11/13/2017	Stroud Creek	9901 Merle Dr	0.5	Yes	Yes	No		really had no problems				-9105347.41	3091884.06
18	11/14/2017	Whiskey Creek	2192 treehaven cir	1	Yes	Yes	Yes	4 inches	Water levels rose to 5 inches exterior and interior was 4 inches. We lost everything in the garage and laundry room. At the time we had a 2 month old and a 9 year old. Was unable to use facilities at that time until the water levels dropped.	Yes	Yes	Times provided were a rough estimate.	-9113188.42	3069286.38
20	11/15/2017	Stroud Creek	9561 Bayshore Rd	29	Yes	Yes	Yes	3"-4"	water in family room, watered peaked on Sunday of Irma. The August events were not a problem	Yes	Yes	asked Kathi to send flood photo's	-9105945.44	3087976.65
21	11/15/2017	Stroud Creek	18331 Durrance Rd	2	Yes	Yes	No		water was to bottom of bridge, whole 10 acres under water	Yes	Yes		-9105462.08	3089964.96
24	11/16/2017		2501 nalle grade road	6	Yes	Yes	No	4-5' higher than today	Driveway will wash out if another storm comes like Irma	No		Resident stated culvert is under sized. Sometimes 3' of head gets built up on the upstream side of the culvert. It then proceeds to flood near by lots every year.	-9111524.56	3093147.7
31	11/17/2017	Stroud Creek	18731 Durrance Rd	6	No	Yes	Yes		most of property was 4-6 inches under water	Yes	Yes	office manager Shannon Newman provided information, a place of business	-9105281.36	3090614.57

CONSULTANT INPUTTED QUESTIONNAIRES

Object ID	Report date	Watershed	Property Address	How many years have you lived at this location?	Did owner/resident stay at property during Hurricane Irma?	Is this the highest you have seen the water level?	Was your house flooded?	How deep?	Owner/Resident's summary of flooding experience as a result of Irma and 8/25-27 storms?	Any photos available?	High water marks available for survey?	Preparer's comments/observations	x	y
33	11/20/2017	Whiskey Creek	2158 Treehaven Circle	12	No	Yes	Yes	About 1-2 inches flooded whole house. All carpet ruined, penetrated drywall and insulation.		No	Yes	I met with Stephen and Jean Urbancic (2176 Treehaven Circle) on 8-20-2017. Both are on the HOA board. They provided additional email statements from the following residents along Treehaven Circle: 2218, 2175, 2208, 2209, 5589, and 8466 Beacon Blvd.	-9113313.98	3069290.31
34	11/14/2017	Whiskey Creek	2200 Treehaven Circle	8	Yes	Yes	Yes	Owner provided a photo of 9 inch water mark in garage.	Lanai and garage flooded on 8-27-2017; water flooded house from front yard and back yard. Significant damage from Irma on 9-10-2017. Flood claim filed - \$33k in damage.	Yes	Yes		-9113156.7	3069289.18
35	11/6/2017	Whiskey Creek	2233 New Pinelake Drive	16	Yes	Yes	Yes	1-2 inches on 8-27-2017. 10-12 inches during Irma.		Yes	Yes		-9113032.82	3069247.46
36	11/17/2017	Popash Creek	9431 Sedgefield Rd , NFMY 33917	20	Yes	Yes	No		Got up to the garage door. Water was over topping the box culvert at the W end of the road. The silt fence from the construction to the west was holding back water.	Yes	Yes		-9106229.13	3090618.86
37	11/16/2017	Popash Creek	17800 Leetana Rd, NFMY	18	Yes	Yes	No		Had total 10" rainfall from 8/23 thru 8/29, standing water/water table similar and normal for this time of year.. With Irma, had 2"-6" of standing water around house and got within 10' of the house.		No	HW levels started to recede on Wednesday 9/13/17.	-9108027.64	3089003.24

CONSULTANT INPUTTED QUESTIONNAIRES

Object ID	Report date	Watershed	Property Address	How many years have you lived at this location?	Did owner/resident stay at property during Hurricane Irma?	Is this the highest you have seen the water level?	Was your house flooded?	How deep?	Owner/Resident's summary of flooding experience as a result of Irma and 8/25-27 storms?	Any photos available?	High water marks available for survey?	Preparer's comments/observations	x	y
38	11/22/2017	Popash Creek	19350 Meredith Rd, NFMY 33917	30	No	Yes	No		Water was within 6" of getting in the house. Henderson Grade and Meredith were under water. Water sheet flows from the W side of Meredith.	Yes	No	Resident states that water comes from the E side of Nalle Rd on them via the cross culvert just S of Maple. County needs to clean ditch on Nalle Rd at 19181 Nalle Rd.	-9106506	3091759.3
42	12/6/2017	Whiskey Creek	13128 Tall Pine Circle	2	Yes	Yes	Yes		Water rose to within 4" of flooding living area at front door and within 2" of flooding at rear door to living area. Lanai in rear had a nominal depth of 2". We has no serious damage and have not claimed any on our insurance policy. We back to a drainage ditch to the rear which overflowed it banks early in the storm. This ditch starts at Crystal Drive and spills south dividing our community to Villas. I have many pictures of our community following the August flood and have documented the height of the flooding in the retention pond north of Big Pine Way, Pinebrook.	Yes	Yes		-9113065	3067703.01

CONSULTANT INPUTTED QUESTIONNAIRES

Object ID	Report date	Watershed	Property Address	How many years have you lived at this location?	Did owner/resident stay at property during Hurricane Irma?	Is this the highest you have seen the water level?	Was your house flooded?	How deep?	Owner/Resident's summary of flooding experience as a result of Irma and 8/25-27 storms?	Any photos available?	High water marks available for survey?	Preparer's comments/observations	x	y
43	12/6/2017	Whiskey Creek	2324 Dover Ave	8	No	Yes	Yes		The Irma flood was about 4" higher than the August flood. Our entire house flooded throughout. Flooding in the neighborhood has never been this bad, and at least a dozen other homes in the neighborhood flooded during Irma. One picture is from a neighbor farther down on Dover. We do not have pictures of the water levels during Irma because we had evacuated to Atlanta during the storm, however our neighbors who remained, observed the water on our property and we have high water marks on the exterior of our home.	Yes	Yes	Questionnaire pertains to Hurricane Irma.	-9112863.74	3068633.72
44	12/6/2017	Whiskey Creek	2324 Dover Ave	8			Yes		I firmly believe that the north / south drainage culvert connecting the ditch along Crest Ave to Dover Canal is too small which caused a bottleneck that flooded this part of the neighborhood.	Yes	Yes	Questionnaire pertains to the August 25-27 storm.	-9112863.05	3068639.76

CONSULTANT INPUTTED QUESTIONNAIRES

Object ID	Report date	Watershed	Property Address	How many years have you lived at this location?	Did owner/resident stay at property during Hurricane Irma?	Is this the highest you have seen the water level?	Was your house flooded?	How deep?	Owner/Resident's summary of flooding experience as a result of Irma and 8/25-27 storms?	Any photos available?	High water marks available for survey?	Preparer's comments/observations	x	y
45	12/6/2017	Whiskey Creek	13215 Tall Pine Circle	17	No	Yes	Yes		<p>I have lived here for 17 years. I was not here during Irma, but I did have friends staying here during IRMA. I was here during the 8/25 storm. The flooding was worse for IRMA due to ground saturation so it came in the garage and back Lanai even though I had both guarded by one layer of sandbags. 25 in front of garage door and 25 on the lanai. This is the highest I have seen the water in my 17 years. We did not have anywhere near this during Charlie in 2004. My lanai was flooded by water seeping in slowly about 4 feet in we soaked it up with towels and wrung them out in a 5 gallon bucket. We got about 7 gallons total. The garage had 2 + inches all the way up to the back door. This happened during IRMA. I did not have water in the house during the 8/25 storm weekend, just about 1/2 inch in the garage up about 6 feet. I am very concerned about next summer and would appreciate any advice.</p>	Yes	No		-9113169.85	3067677.32

CONSULTANT INPUTTED QUESTIONNAIRES

Object ID	Report date	Watershed	Property Address	How many years have you lived at this location?	Did owner/resident stay at property during Hurricane Irma?	Is this the highest you have seen the water level?	Was your house flooded?	How deep?	Owner/Resident's summary of flooding experience as a result of Irma and 8/25-27 storms?	Any photos available?	High water marks available for survey?	Preparer's comments/observations	x	y
46	12/13/2017	Whiskey Creek	8718 Fordham St.	33	No	Yes	No		Pre Irma - Flooding in back yard along berm of 10 mile. Canal. Water almost into neighbors lanai and my patio. No water draining into collection ditch between Dover and Chandler. Water remained 3 feet or more behind my house for a week. Never has happened before. Front of neighbors yard was flooding up nearly to front porch and onto Fordham. All ditches down Fordham full of water. My front yard was ok with the. Culvert I had installed. I have sent all pictures. :This has never happened.	Yes	No		-9112154.18	3068619.27

WHISKEY CREEK PUBLIC QUESTIONNAIRE

Date	SiteAddress	SiteCity	* AugFlood	AugStay	AugHi Water Time	AugHiWaterTi meOBS	AugWater Level	AugwaterlevelComments	AugHouseF loaded	AugHouseI nches	AugDuration House	AugPropertyF loaded	AugLand DepthFeet	AugFloodDur- ationLand	Aug comments	Aug photos
11/22/17	2336 ivy ave	ft myers	yes	yes	17:00		yes		yes	0-2	1	yes	1	2	high water	no
11/26/17	2101 Woodland Blvd	Fort Myers Fl	yes	yes	2 p.m		yes		no			yes	1	3		no
11/26/17	8630 W Park	Ft. Myers	yes	yes			no	This rain event was the worst flooding I had seen prior to Irma	no			yes	2	2	The entire park behind me flooded and both sides of my house. The water came over my pool and a few feet away from entering my back sliding doors	yes
11/26/17	8818 Geneva st	Fort myers	yes	yes	5:30pm		yes		yes	2-4	1	yes	3	2		yes
11/26/17	2278 Sunrise Blvd	Fort Myers	yes	no		4:00 PM	no	The water was higher during the hurricane in September.	yes	4-6	1	yes	2	2	8 inches of water in the garage and about 4-6 inches throughout the house.	yes
11/26/17	2254 Harvard Ave	Fort Myers	no													
11/26/17	8936 Dorchester Street	Fort Myers	yes	yes	2:00 PM		yes		yes	2-4	1	yes	2	2	The rain raised very quickly, probably less than 2 hours we noticed the water rises and it entering the house. The experience was traumatic. The entire street flooded at least 2 feet	yes
11/26/17	2273 Dover Ave	Fort Myers	yes	no		4:00pm	no	Hurricane Irma surpassed August rain event	no			yes	2	3	Excessive street flooding, with high wake. water within foot of front entry. Back yard flooded but did not enter pool deck or house Garage flooded	yes
11/26/17	2273 Dover Ave.	Ft. Myers	no													
11/26/17	2607 Kent Ave	Fort myers	yes	no		3:00	yes		no			yes	1	2	My entire street flooded with water coming up about 15 feet from the street toward my house	no
11/26/17	2301 Jasper ave	Fort myers	yes	yes	10:00am		yes		no			yes	3	2		no
11/26/17		Ft Myers	yes	yes	6:00 pm?				no			yes	1	2	The water came up and into the lower part of my garage. I dug trenches into my yard to help with draining it away from the garage.	no
11/26/17	8718 La Chateau Dr.	Ft. Myers	yes	yes	5:30 p.m.		yes		no			yes	3	2		no
11/26/17	8700 Fordham St	Ft Myers	yes	yes	2:00 PM		yes		no			yes	3	1	Live near main drainage on Fordham St. there's a backup somewhere preventing water flows	yes
11/26/17	8700 Fordham St	Fort Myers	yes	yes	4:00 PM		yes		no			yes	3	1	Main draining issue back up on Fordham	yes
11/26/17	2361 flora ave	Fort Myers	yes	yes			yes		no			yes	1	3	Water came very close to getting into our home.	no

* August Rain Event information shown on Pages 1-3.

**Hurricane Irma information shown on Pages 4-6.

WHISKEY CREEK PUBLIC QUESTIONNAIRE

Date	SiteAddress	SiteCity	* AugFlood	AugStay	AugHi Water Time	AugHiWaterTimeOBS	AugWater Level	AugwaterlevelComments	AugHouseFlooded	AugHouseInches	AugDurationHouse	AugPropertyFlooded	AugLand DepthFeet	AugFloodDurationLand	Aug comments	Aug photos
11/26/17	2219 Dover Ave	Ft. Myers	yes	yes	2-3pm		yes		no			yes	1	3	Canal in back of house overflowed and lake in front of house overflowed we had water coming from every direction	yes
11/26/17	2442 Aldridge Ave	Fort Myers	yes	yes	7:30 PM		yes		no			yes	1	1		yes
11/26/17	2313 ivy ave	Fort myers	yes	yes	3:00 PM		yes		yes	0-2	1	yes	2	3	I have never seen my property flood they way it did.. it flooded out my garage and then a few weeks later with hurricane irma it was worse.. very very scary.. we have drainage issues in this part of the street i live on.	yes
11/26/17	8624 West Park	Fort Myers	yes	yes	4pm		yes		no			yes	2	2		yes
11/26/17	2337 Flora ave	Ft. Myers	yes	yes			yes		no			yes	2	2		yes
11/26/17	2413 Chandler avs	Fort myers	yes	yes			yes		no			yes	1	1	Aug 25-27 came up over culvert, up our driveway and ran across street to flood neighbors yard. Irma, came within 3 feet of the front door	yes
11/26/17	2337 Flora Avenue	Fort Myers	yes	yes			yes		no			yes	1	1		
11/26/17	2354 Flora Ave	Fort Myers	yes	yes	2:00pm		no		yes	2-4	1	yes	2	1	Water flooded back of home, lanai flooded	yes
11/26/17	Dover Ave	Fort Myers	no													
11/27/17	2217 Flora Ave	Fort Myers	yes	no		Approx 4:00 pm	yes		yes	4-6	1	yes	1	1	We were out of town during the rain but family members were at the house and called me with the news of flooding. Garage, closet and car were flooded. The removed carpet & items out of closet.	no
11/27/17	2249 Harvard Avenue	Fort Myers	yes	yes	2:00 PM		yes		no			yes	2	2	Water came up to front door porch in front and onto rear lanai. Came slightly into garage	yes
11/27/17	2237 Woodland blvd.	Fort Myers	no													
11/27/17	2301 La Salle Ave	Fort Myers	yes	yes	6PM		yes		no			yes	2	1	Water built all day Sunday 8/27 and got close to the front of the house just before sundown	yes

* August Rain Event information shown on Pages 1-3.

**Hurricane Irma information shown on Pages 4-6.

WHISKEY CREEK PUBLIC QUESTIONNAIRE

Date	SiteAddress	SiteCity	* AugFlood	AugStay	AugHi Water Time	AugHiWaterTi meOBS	AugWater Level	AugwaterlevelComments	AugHouseF looded	AugHouseI nches	AugDuration House	AugPropertyF looded	AugLand DepthFeet	AugFloodDur- ationLand	Aug comments	Aug photos
11/27/17	8935 Forest St.	Fort Myers	yes	yes	6:00 PM		yes		no			yes	1	1	There was water that was not draining all day 8/27	yes
11/28/17	8955 Crest Lane	Fort Myers	yes	yes	6:00 PM		yes		yes	0-2	1	yes	1	3		no
11/28/17	2224 Chandler Avenue	Fort Myers	yes	yes	afternoon		yes		no			yes	1	2	The drainage ditch behind the house filled up and flooded the back yard and came within 5 feet or so of the back of the house. The front yard ditch couldn't drain either and backed up to with 10 feet or so of the front of the house.	no
11/29/17	2325 Ephraim Ave	Fort Myers	yes	yes			yes		no			yes		2		yes
11/30/17	2324 Dover Ave	Fort Myers	yes	yes			yes		yes	0-2	1	yes	2	3		
12/01/17	8731 La Chateau Drive	Fort Myers	yes	yes	3:00pm		yes		yes	>12	2	yes	3	2		yes
12/02/17	8736 Dartmouth st	Fort Myers	yes	yes	Noon		yes		no			yes	3	4	Into garage 2 inches	yes
12/02/17	8736 Dartmouth st	Fort Myers	yes	yes	2pm		yes		no			yes	3	3		yes
12/02/17	2322 Ivy Ave	Ft Myers	yes	yes	5pm		yes		yes	0-2	1	yes	3	2	Drainage ditch was flowing but flooding occurred in back first then front and around house	no
12/04/17	13128 Tall Pine Circle	Fort Myers	yes	yes	2:00 PM		no		no			yes	1	1	Water was just starting to enter garage in front and just short of entering lanai to rear	no
12/07/17	8618 West Park	Fort Myers	yes	yes			yes		no			yes	2	6	The water came right up to the front door. Another 1/16" and house would have been flooded. Water also rose from the creek in the back as far back as the screen door to pool cage -- just about into the lanai.	yes
12/07/17	8731 La Chateau drive	Fortmyers	yes	yes	3:30pm		yes		yes	>12	1	yes	3	3	Half the house flooded	yes
12/11/17	2369 Dover ave	Ft Myers	no													
12/11/17	8937 Crest Lane	Fort Myers	yes	yes	3pm		yes		yes	2-4	2	yes	1	2	Never in over 21 years have we seen water this high,however the county has never cleaned our ditch drain that runs east and west	yes

* August Rain Event information shown on Pages 1-3.

**Hurricane Irma information shown on Pages 4-6.

WHISKEY CREEK PUBLIC QUESTIONNAIRE

**Irma Flood	hiwatert stay	hiwatert ime	hiwatertimeO BS	waterl level	waterl waterlevelcomments	House Flooded	HouseDepthl nches	floodDura- tionHouse	PropertyF looded	LandDepth Feet	FloodDura- tionLand	Distanceto House	Irma comments	photos	years Resident	AugHiWater Date	AugHiWater DateOBS	hiwater date	hiwater dateOBS
yes	yes	4:00		yes		yes	0-2	1	yes	1	3	0-10	worst in 32 years lack of drainage to ten mile canal	no	32				
no															6 years	August 25			
yes	no			yes		no			yes	3	3	0-10	My entire home was surrounded by water and the only reason it didn't enter is because I used lots of gorilla tape, plastic, and bags. I taped all seals around all doors.	yes	20				9/10
yes	no		4am	yes		yes	>12	2	yes	4	2	0-10		yes	21	8/27/17			9/11/17
yes	no		10:00 AM	yes		yes	8-10	2	yes	2	3	0-10	12 inches of water in garage and 8-10 throughout the house. Had to cut out drywall 2 feet from the floor throughout home due to flooding from hurricane as well as replace flooring and many other household items.	no	0		8/26		9/11
yes	no			yes		no			yes	2	3	0-10		no	4				9/11
yes	no		Unknown	yes		yes	2-4	2	yes	2	2	0-10	we evacuated, but when we returned we found that our house flooded again from Irma. It appeared to be the same amount of damage as the previous flood. Our house is at the lowest point of the street next to a drain. The water backed up and flooded our house first	yes	3 years	8/27/2017			9/15/17
yes	no		3:00pm	yes		yes	6-8	2	yes	2	2	0-10	Never had a breach before. Main drainage canal had been half filled about 2 years ago. It was still full and couldn't drain 3-4 days after storm. Water tainted my pool, entered the house and garage		33		27-Aug		9/10 and 9/11
yes	no		3:00 PM	yes		yes	4-6	3	yes	3	3	0-10	Worst flooding and water breach in 33 years of owning property. Still had water sitting in garage and house a day after Irma. Water never breached property or home until drainage revamp 2 years ago	yes	33				42989
no															9		8/27		
yes	no		10:00am	yes		no			yes	3	3	0-10		yes	4	8/27			9/10-9/12
yes	no			yes		yes	2-4	2	yes	2	3	0-10	This time the water was in my garage. We evacuated for Irma.	no	10	8/26-27			9/10
yes	no			yes		yes	2-4	3	yes	4	3	0-10		yes	3	Sunday			
yes	yes	4:00		yes		no			yes	4	1	0-10		yes	30 yrs	8/27		9/10	
yes						no			yes	4	1	0-10		yes	30 yrs	8/25			
yes	no			no	August	no			yes	1	4	0-10		no	One	8/27			9/11

* August Rain Event information shown on Pages 1-3.

**Hurricane Irma information shown on Pages 4-6.

WHISKEY CREEK PUBLIC QUESTIONNAIRE

**Irma Flood	hiwatert stay	hiwatert ime	hiwatertimeO BS	waterl evel	waterl waterlevelcomments	House Flooded	HouseDepthl nches	floodDura- tionHouse	PropertyF looded	LandDepth Feet	FloodDura- tionLand	Distanceto House	Irma comments	photos	years Resident	AugHiWater Date	AugHiWater DateOBS	hiwater date	hiwater dateOBS
yes	no		1:00pm	yes		yes	0-2	1	yes	1	1	0-10	The hurricane brought water into our home and into the pool this time. We evacuated the area but water lines were evident	no	Years 9 m	08/27			9/11
yes	no			yes		yes	0-2	1	yes	1	1	0-10		yes	17	8/27			
yes	yes	3:00pm		yes		yes	0-2	1	yes	3	3	0-10	Thank God we experienced the storm a few weeks before so we were able barricade better from the water	yes	9	8/27		9/10	
yes	yes	12:02pm		yes		no			yes	2	3	0-10		yes	40	8/25		9/11	
yes	no			yes		no			yes	3	2	0-10	Water came within a half inch of entering my home. The canals were barely flowing at all to evacuate the water. Over the last ten years the water flow rate in the canals have gotten slower and slower. After the hurricane I rode around the streets and was amazed at the clogged and neglected drains and canals full of debris and dirt. One resident down stream from me said they had no flooding at all as there was no water flowing towards them. Also I checked on the Ten mile canal and it had barely risen in height.	yes	15 years				
yes	yes					no			no					no	7			9/10	
yes	no		8:00 AM	yes		no			yes	2	2	0-10	Another 1/2 inch and our entire house would have flooded.		15.5				9/11
yes	no		2:00pm	yes		yes	2-4	2	yes	3	2	0-10	Water did not drain, my home sat in approx 6-8 inches of water for approx 12-15 hours rendering it unlivable	yes	18	8/27		9/10	
no															2				
yes	no		Approx 6:00 pm	yes		yes	2-4	2	yes	1	3	0-10	Entire house was flooded. All floors and 2' of drywall removed.	yes	1-1/2		8/27/17		9/11/17
yes	no		7:30 PM	yes		no			yes	3	3	0-10	Water came to top of step at door bottom edge. Garage was flooded. Rear lanai was flooded to top of slider track	no	10	8/27			9/11
yes	yes					no			yes	3	2	0-10		no	8				
yes	no					no			yes	2	1	0-10	We left but saw high water mark upon our return. Just about the same flood as 8/27.	no	12	8/27			

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**Hurricane Irma information shown on Pages 4-6.

WHISKEY CREEK PUBLIC QUESTIONNAIRE

**Irma Flood	hiwatert stay	hiwatert ime	hiwatertime BS	waterl evel	waterl waterlevelcomments	House Flooded	HouseDepth nches	floodDura- tionHouse	PropertyF looded	LandDepth Feet	FloodDura- tionLand	Distanceto House	Irma comments	photos	years Resident	AugHiWater Date	AugHiWater DateOBS	hiwater date	hiwater dateOBS
yes	yes	8pm		yes		no			yes	1	1	0-10	Water was 1â€ from flooding house. Several houses down the street had water inside photo attached shows high water mark at the front door. The garage and Lani flooded	yes	4	8/27		9/11	
yes	no		7:00 a.m.	yes		yes	2-4	2	yes	2	4	0-10		yes	3 years 6 months	4 inches			9/12
yes	no		10:00 AM	no	Flood in August 2017 the water was higher at least my observations.	yes	0-2	6	yes	1	2	0-10	Wind and rain caused flooding in the house. It came in through the front door and picture window which both face north.	yes	25	8/27			9/11
yes	no					yes	0-2	1	yes		2	0-10		yes	4				
yes	yes			yes		yes	4-6	2	yes	2	3	0-10			8				
yes	no			yes		yes	>12	2	yes	4	2	0-10	Devastating the whole house was flooded. Everything was ruined.	yes	40 years	8/27			
yes	no					no			yes	3	3	0-10	Bad	no	14	8/26			
yes	no					no			no					no	14	8/27/17			
yes	no		1200	yes		yes	0-2	1	yes	3	2	0-10	Drainage slower	no	31 yrs	3ft			9/11/17
yes	yes	See above		yes		yes	0-2	1	yes	1	1	0-10	Flooding covered entire floor of garage and was 1" deep at entrance of lanai to main floor. 2 inches more and water from lanai would have entered main floor. Drainage ditch to rear of home overflowed very early in storm because ""lakes"" below us were full and water from Villas area to north had no were to go. Ditch also serves to drain our street and water had no where to go.	yes	2 years	Last day of August event		Same day that Irma eye passed just to east of our location	
yes	no		we were not here	yes		yes	2-4	5	yes		>7	0-10	We evacuated and returned late Weds evening 9/13. Yard was still flooded. There was water on every floor in the house and in lanai. It ruined all of our carpeting and most of our furniture.	yes	15	8/27			we were not here
yes	no		7:00pm	yes		yes	>12	2	yes	4	4	0-10	The whole house had a foot of water through it.	yes	40 years	8/27			9/11
yes	yes	3am???		yes		no			yes	1	1	0-10		no	3				9/10
yes	yes	4:30 PM		yes		yes	2-4	2	yes	1	2		Terrible question above about how many feet away was the water to my home...you asked us if we experienced flooding we did	yes	1 plus year	8/26/2017			9/0/2017

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**Hurricane Irma information shown on Pages 4-6.