



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, August 11<sup>th</sup>, 2021  
2:00 p.m.  
Executive Conference Room, Administration Building  
Beaufort County Government Robert Smalls Complex  
100 Ribaut Road, Beaufort, South Carolina  
843.255.2805

In accordance with South Carolina Code of Laws, 1976, as amended, Section 30-4-80(d), all local media was duly notified of the time, date, place and agenda of this meeting.

1. CALL TO ORDER – 2:00 p.m.
  - A. Approval of Agenda
  - B. Approval of Minutes – June 9<sup>th</sup>, 2021 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
  - A. Utility Update – Katie Herrera ([backup](#))
  - B. Monitoring Update – Katie Herrera ([backup](#))
  - C. Stormwater Implementation Committee Report – Katie Herrera ([backup](#))
  - D. Stormwater Related Projects – Katie Herrera ([backup](#))
  - E. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
  - F. Regional Coordination – Katie Herrera ([backup](#))
  - G. Municipal Reports – Katie Herrera ([backup](#))
  - H. MS4 Update – Katie Herrera ([backup](#))
  - I. Maintenance Projects Report – Matthew Rausch ([backup](#))
5. UNFINISHED BUSINESS
  - A. Graves Property Lakes
  - B. Ex Officio Voting
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
  - A. Wednesday, October 13<sup>th</sup>, 2021 ([backup](#))
9. ADJOURNMENT





## Beaufort County Stormwater Management Utility Board (SWMU Board) Meeting Minutes

June 09, 2021 at 2:00 p.m.

Beaufort County Council Chambers, Administration Building, Beaufort County Government  
Robert Smalls Complex, 100 Ribaut Road, Beaufort, South Carolina

### Board Members

#### Present

Allyn Schneider  
James Clark  
Marc Feinberg  
Patrick Mitchell  
Steven Andrews  
Brian Watkins

#### Absent

### Ex-Officio Members

#### Present

Van Willis  
Kim Jones  
Jeff Netzinger

#### Absent

Nate Farrow

### Beaufort County Staff

Tiffany Patrick  
Katie Herrera  
Carolyn Wallace  
Julianna Corbin

### Visitors

Matt Randall, Cranston Engineering  
Nathan Sturre, Cranston Engineering

### 1. Meeting called to order – Marc Feinberg at 2:00 pm

- A. Agenda – Approved
- B. Approval of Minutes – Approved

### 2. Introductions – Completed.

### 3. Public Comment(s) – None.

### 4. Reports

*Reports attached in agenda*

#### **Highlights:**

#### A. Utility Update – Katie Herrera

- ✓ Southern Lowcountry Regional Board (SoLoCo)
  - All project milestones have been reached.
  - Kim Jones anticipates that the Town of Bluffton will present to Council on July 2<sup>nd</sup>, 2021 for final reading.

- ✓ The county continues to work on delinquent accounts for the military installations. This is still being handled by the county's legal department.

## **B. Monitoring Update – Katie Herrera**

### ***Highlights:***

- ✓ Beaufort County Stormwater is anticipating renewal of the monitoring contract with USCB on July 1<sup>st</sup>, 2021 pending County Council approval.

## **C. Stormwater Implementation Committee (SWIC) Report – Katie Herrera**

### ***Highlights:***

- ✓ County staff provided the county wide infrastructure fee report to each municipality.

## **D. Stormwater Related Projects – Katie Herrera**

### ***Highlights:***

- ✓ County staff continues to work on getting easements and meets monthly to review.
- ✓ The flyover bridge repairs project was put out for bid May 13<sup>th</sup>, 2021. The bid closes on June 15<sup>th</sup>, 2021. Next step is to approve the lowest, most responsive and responsible bidder which will be presented at the Public Facilities Committee meeting on June 21<sup>st</sup>, 2021.
- ✓ Shell Point Community – The final draft of the report was received April 16<sup>th</sup>, 2021. Staff met internally with Ms. Linda Bridges and Ms. Alice Howard to present initial findings. Next step is to host a stakeholder meeting in early July followed by a public meeting also to be held early July.
- ✓ Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision – Staff is coordinating to obtain the land for the property as per the agreement signed with the developer in 2013. The cost to the County is \$1.
- ✓ Factory Creek Watershed Regional Detention Basin “Phase II – The project is complete and the County is coordinating obtaining the easements.
- ✓ Graves Property – An invoice for the tree fund was received and payment is being processed. Their FY22 budget was received and is in line with what the County has proposed.
- ✓ Julianna Corbin, Environmental Engineer, has joined Beaufort County Stormwater.

## **E. Professional Contracts Report – Katie Herrera**

### ***Highlights:***

- ✓ Salt Creek and Shanklin Road – County staff and Andrews Engineering has coordinated with property owners to determine level of interest in participating in this project. Information was sent May 21<sup>st</sup>, 2021 with one property owner responding thus far.
- ✓ Brewer Memorial – The lowest, most responsive and responsible bidder was chosen and is awaiting committee approval.

- ✓ Evergreen Regional Pond 319 – The land has been cleared and digging will commence post debris clean up.
- ✓ Stormwater engineering consulting services – Woolpert continues to coordinate with County staff on current and future scopes to include anticipated drainage studies as well as assistance with tax run and program audit.

#### **F. Regional Coordination – Katie Herrera**

##### ***Highlights:***

- ✓ Mossy Oaks Task Force – Monitoring began June 2<sup>nd</sup>, 2021 and will continue every other week.
- ✓ May River Watershed modeling is complete per Kim Jones. With the passing of the Town of Bluffton’s FY22 budget, there is \$75,000.00 to begin initial geo tech work on the top eleven recommended priority projects that came out of the action plan update as a result of that monitoring. This will be moving July 1<sup>st</sup>, 2021.

#### **G. Municipal Reports – Katie Herrera**

##### ***Highlights:***

- ✓ Town of Hilton Head Island (From Jeff Netzinger, Stormwater Manager)
  - The Town of Hilton Head Island is experiencing serious staff shortages.
  - Finished reconstruction of the Lawton Water Pump Station which has been tested and is ready for the upcoming hurricane season.
- ✓ Town of Bluffton (From Kim Jones, Watershed Management Division Director)
  - The Town of Bluffton will still be supporting USCB in the water quality monitoring lab, additionally a new laboratory effort with USCB will appear on the North Campus for microbial source tracking.
- ✓ City of Beaufort (From Nate Farrow, Public Works Director)
  - No information was available at the time of this report.
- ✓ Town of Port Royal (From Van Willis, Town Manager)
  - The Town of Port Royal has delayed installation of a stormwater control structure at the Cypress Wetlands Project due to the birds and chicks.

#### **H. MS4 Update – Katie Herrera**

##### ***Highlights:***

- ✓ Organization chart presented, staffing is not full and the County is still hiring.
- ✓ Permits, permit issuance, plan reviews and inspections have not subsided.

- ✓ Rainfall Report – Beaufort County was dry in May.
- ✓ Education Report – by Katie Herrera for Ellen Sturup Comeau, Clemson Extension
  - Color My Truck was a success.
- ✓ Energov Permitting Software
  - The software has been delayed with a new anticipated deadline of late September to early October.
- ✓ MS4 Statewide General Permit – Stormwater staff participated in the South Carolina Association of Stormwater Managers. The permit writer for DHEC indicated that there are two phase one communities that need their MS4 permits finished and then it would move into small phase two. Census data is not available.

## **I. Maintenance Projects Report – Katie Herrera**

### ***Highlights:***

- ✓ One major project:
  - LH Nelson Drive Subdivision – Port Royal Island (SWUD 6): \$18,920.77
- ✓ Eight minor or routine projects:
  - Graves Road – Bluffton (SWUD 4): \$12,650.51
  - St. Helena Island Valley Drains (SWUD 8): \$11,211.75
  - Scott Hill Road Channel #1 – St. Helena Island (SWUD 8): \$6,268.71
  - Telfair Subdivision – Purrysburg Drive – Lady’s Island (SWUD 7): \$3,756.57
  - Dash Road – Sheldon (SWUD 5): \$2,720.91
  - George Williams Lane Channel #1 – Sheldon (SWUD 5): \$1,319.01
  - Ephraim Road Channel – St. Helena Island (SWUD 8): \$1,278.00
  - Sea Island Parkway Channel – St. Helena Island (SWUD 8): \$924.43

## **5. New Business –**

- ✓ Kim Jones inquired as to the status of granting ex-officio members voting privileges. Katie Herrera responded that with the release of upcoming census data and the possibility for redrawing districts, a good time to revisit this subject would be after these likely changes. It was recommended that this issue go before Legal.
- ✓ Shell Point Drainage Study Presentation –  
Matt Randall & Nathan Sturre, Cranston Engineering  
*Report attached in agenda*
  - Beaufort County contracted with Cranston Engineering to analyze the water infrastructure within the Shell Point Community in Port Royal. The study is complete.

- ✓ FY22 Budget Amendments – Katie Herrera
  - The proposed budget was presented in March. Since then, feedback was provided by County administration on ways to minimize spending and budgets. Personnel and capital improvement were the two areas particularly looked at for cuts.
  - 1.2 full time positions were eliminated saving the County \$90,000.00.
  - A motor pool is being considered in conjunction with Fleet Management Group.
  - With the updates, there was a decrease in needed municipality contributions. Reports and concurrence letters were provided to municipalities.
  
- ✓ Upcoming SWUB Meeting Schedule – Katie Herrera
  - Three schedules were proposed. Option #3 with one amended date was voted on and passed unanimously.
  - Upcoming 2021 Meetings:
    - Wednesday, August 11<sup>th</sup>, 2021 2pm County Council Chambers
    - Wednesday, October 13<sup>th</sup>, 2021 2pm County Council Chambers
    - Wednesday, November 10<sup>th</sup>, 2021 2pm County Council Chambers

**6. Public Comment(s) – None**

**7. Next Meeting Agenda –**

- ✓ Approved with the change to the next meeting commencing Wednesday, August 11<sup>th</sup>, 2021.

**8. Meeting Adjourned**



**BEAUFORT COUNTY  
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120 Shanklin Road  
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July 2021

**Stormwater Manager's Report for the Stormwater Utility Board Meeting**

**Utility Update**

1. Southern Lowcountry Regional Board (SoLoCo)
  - a) The current schedule for completion and finalization on the document and activities of Center for Watershed Protection (CWP) is as follows:

All project milestones have been completed.

2. Regionalization
  - a) Regional Stormwater Design Standard and Model Ordinance Project – See update above.
  - b) Regionalization of programs – With the finalization of the Regional Stormwater Design Standard and Model Ordinance it is hoped each participating jurisdiction will adopt these policy documents for implementation to provide consistent administration of Stormwater Management guidelines and policies in the region. Discussions of a Regional Stormwater Authority to administer the adopted guidelines and policies holistically within the region/jurisdictions can be fostered.
  - c) Implementation of new standards began on February 1<sup>st</sup>, 2021. At this time Staff have been working with several contractors on new requirements. Staff continues to coordinate implementation efforts internally.
  - d) The technical subcommittee met on May 13<sup>th</sup> to review and provide comment on a list of comments provided to the Town of Bluffton.
  - e) Staff continues to support other municipalities in their efforts to move forward with adoption.
3. Special presentation suggestions –
  - Suggestions for Future Meetings
    - Research performed by Dr. Montie – mid to late fall 2021
    - Beaufort County Legal - TBD
4. Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below. Staff continues to work with GIS to update impervious area layers for the military installations.
5. Delinquent accounts – Phase I Investigations with Gentry Locke Attorneys (looking at data, laws, ordinances, synopsis of case law) to provide recommendations and likely outcomes of either negotiations or litigation.
  - No update at this time.

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6. Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30<sup>th</sup>, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year.
  - a) Beaufort County – Received.
  - b) Town of Hilton Head Island – Received.
  - c) Town of Bluffton – Received.
  - d) Town of Port Royal – Not received.
  - e) City of Beaufort – Not received.

### **Monitoring Update**

1. Lab Update (From Dr. Alan Warren and Lab Manager Danielle Mickel)
  - i. [See attached report.](#)

### **Stormwater Implementation Committee (SWIC) Report**

1. County Staff will be working to provide CWI reports for each municipality upon the completion of the fiscal year.

### **Stormwater Related Projects**

1. Easements – Staff is working on easement requests and meets monthly to review status. A few condemnations are still being pursued using outside legal counsel.
2. Complaints – Staff continually works numerous drainage related complaints each month.
  - a) Flyover bridge preventative maintenance and deferred maintenance repairs – Truluk Construction was deemed the recipient of the project. Contracts have been signed and notice to proceed with construction will be issued as soon as County Finance approves requisition.
  - b) Shell Point Community – Following last update, staff discussed next moves with Ms. Alice Howard on July 8<sup>th</sup>. First task force meeting was held July 27<sup>th</sup> with stakeholders and Cranston Engineering; Community Meeting scheduled for August 26<sup>th</sup>
3. Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision (Design Cost \$49,873, Tree Mitigation Cost \$18,200 & \$18,200, Construction Cost by the Developer) – Construction is complete and the Legal team is actively working on transferring the property.
4. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – Coordinating easement acquisition with legal department and property owner.

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Graves Property / Pepper Hall Public / private partnership – Staff continues to work with Davis and Floyd, other departments, and property owner. No additional invoices received at this time. Staff last met with property owner on June 10<sup>th</sup> and plans for the passive park were approved at SRT on June 16<sup>th</sup>.

5. Whitehall property purchase –No updates at this time.
6. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No updates at this time.

**Professional Contracts Report**

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
  - a) Salt Creek - Beaufort County MS4, OCRM, and SCDOT received. Appraisal is in progress
  - b) Shanklin – Beaufort County staff met with property owner July 2<sup>nd</sup> and gauged interest in the project. Consulting engineer is incorporating property owner’s requests where applicable in the project plans.
  - c) Brewer Memorial –Contracts have been signed and notice to proceed with construction will be issued as soon as County Finance approves requisition and budget carry over.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Construction is in progress- dewatering and digging is actively occurring on site. Contractor nearing the completion of pond excavation.
3. Stormwater engineering consulting services – Staff continues working with consultant on Scope #3, staff also coordinating Scope #4 for tax run assistance if needed.

**Regional Coordination**

2. Mossy Oaks Task Force – County working with USCB on water quality monitoring efforts.
3. May River Watershed Modeling – No updates at this time.

**Municipal Reports**

1. Town of Hilton Head Island (From Jeff Netzinger, Stormwater Manager and Brian Eber, MS4 Coordinator)
  - i. No information was available at the time of this report.

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2. Town of Bluffton (From Kim Jones, Watershed Management Division Director)
  - i. [See attached report.](#)
3. City of Beaufort (From Nate Farrow, Public Works Director)
  - i. No information was available at the time of this report.
4. Town of Port Royal (From Van Willis, Town Manager and Tony Maglione, consultant)
  - i. No information was available at the time of this report.

#### **MS4 Report**

1. Plan Review – [See the attached chart](#) for Beaufort County Stormwater staff plan review workload for the past 12 months.
2. Stormwater Permits – [See the attached chart](#) for Beaufort County Stormwater permits issued for the past 12 months.
3. Monthly Inspection summary - [See the attached chart](#) for Beaufort County Stormwater staff inspection, complaint, IDDE, and violations summary for the past 12 months.
4. Weather Station Data. [See attached report.](#)
5. Public Education – [See attached report.](#)
6. Energov permitting software – Staff to continue to test and provide feedback to Energov Implementation team, current scheduled implementation date pushed until Sep/Oct.
7. MS4 Statewide General permit – No further update at this time.

#### **Staff Update**

1. Tiffany Patrick's last day is August 6<sup>th</sup>. This will leave two administrative positions open within the department.

**USCB Water Quality Lab Update**  
**ACTIVE PROJECTS**  
**Beaufort County**

**BC Monitoring Plan 2021:**

- **Description:** Monitoring plan for 2021 continue from last year to include sampling sites covering all 5 categorical types:  
Category 1: TMDL monitoring  
Category 2: IDDE screening and monitoring  
Category 3: Water quality monitoring (baseline, based upon 303d list)  
Category 4: MOA points  
Category 5: Special project monitoring
- **Status:** Third quarter has begun.

**Memorandum of Understanding:**

- Instead of a MOU, a sole source contract agreement has been approved and fully executed.

**Mossy Oaks Drainage Study:**

- **Description:** Mossy Oaks drainage area plan consists of a bi-monthly collection of four sampling sites; two outfall basins and two upstream basins.
- **Status:** Bi-monthly sampling has begun in June 2021.

**Pepper Hall Drainage Study:**

- **Description:** Pepper Hall property monitoring plan consists of a bi-monthly collection of six sampling sites; 3 inlets and 3 outlets to determine baseline data prior to construction. Sampling will continue during and after construction to measure the effectiveness of BMP's required on-site.
- **Status:** Bi-monthly sampling has begun in January 2021.

**Okatie West Pond: Bold and Gold**

- **Description:** Environmental Conservation Solutions, LLC, in conjunction with Beaufort County, installed an innovative bacteria and nutrient removing side-bank filter to a section of a newly constructed wet detention pond for the Okatie West Regional Stormwater Project. The purpose of the joint effort is to evaluate the efficiency of the Bold & Gold Side-Bank filter for the possible application in the county to achieve target stormwater treatment in existing and new stormwater BMPs. The pilot project is a 60-foot side bank filter with a 2-foot layer of Bold & Gold® CTS Filtration media as the treatment mechanism, overlaid by a 6-inch well-draining soil that is connected to an underdrain pipe. The filter is located on the south side of the wet detention pond.
- **Status:** Another sampling and analytical effort for Environmental Conservation Solutions, LLC to measure the ability of the Bold and Gold

filtration media to remove bacteria from stormwater detained in the pond known as Okatie West is requested and we are waiting on increases in both water level and bacterial counts. The previous sampling and analytical efforts occurred in March 2020. Efforts were made in November, but bacterial counts were too low to gauge efficiency of filter.

### **Port Royal Cypress Wetland**

- **Description:** The Town of Port Royal wanted to continue with WQ monitoring at the Cypress as the Town is working on a plan to renovate the wetlands to eliminate invasive as much as possible, re-dredge the open water areas and eliminate as many Tallow trees as possible. Having a current base line of WQ information before any work is performed is critical to assessing the "before and after" conditions in Cypress.
- **Status:** Re-dredging is complete and waiting to hear to collect the "after" conditions in September. Cypress wetland project last sampling effort was on September 13<sup>th</sup> and 18<sup>th</sup> 2019 for a dry and wet event respectively. Power Point report was included in the February 2020 lab update.

### **Port Royal Redevelopment:**

- **Description:** The Town of Port Royal continues with WQ monitoring for the four sites in the proposed redevelopment area. The sampling schedule is quarterly wet events and is included in Beaufort County's Monitoring Plan.
- **Status:** Third quarter collection has started.

### **Town of Bluffton**

- **Description:** Monitoring for 2021 continues and includes monitoring for the categories; water quality, 319, MS4, MST, TMDL, and shared locations. A request from Town of Bluffton was made for data analysis of sampling sites dating from 2009 to present.
- **Status:** Monitoring for 2021 continues. USCB is putting together a plan and awaiting data from the Town for the requested data analysis.
- **Memorandum of Understanding:** An amendment to the current MOU is generated for the purposes of additional sampling efforts by the Town of Bluffton and has been fully executed.

### **USCB Laboratory**

### **Additional Projects:**

- Palmetto Bluff: Continued sampling efforts of 12x/year for 6 wet/6 dry events. Sampling sites have been revised to include additional sites to monitor the New River. So far this year, 2 wet/ 2 dry events have been collected along with additional parameters requested by Town of Bluffton at specific sampling sites.

### **Lab Projects:**

- 2021 Proficiency testing for the Water Pollution and Water Supply study is complete and passed. This consisted of 10 different analyses requiring the analysis of an unknown sample, which is then reported to the PT provider and the State. The passing of all analyses in the study is a requirement to keep laboratory state certification.

- On February 21, 2020, an investigation of an oyster aquaculture operation on St. Helena Island was performed at the request of the owner. The aquaculture pond's water is largely supplied by Wallace Creek, which is frequently closed to shellfish harvesting.
- Dr. Warren supplied USCB's mathematicians/computational science faculty with SCDHEC water quality data at every shellfish station in Areas 14-20. This is similar to what Dr. Warren did a few years ago, and what Dr. Montie did more recently with examining long-term trends and exceedances of fecal coliform based on harvesting standards.
- New equipment arrived to include Rhodamine sensor for various studies, including pond retention times.

## COMPLETED PROJECTS

### Beaufort County

#### Crystal Lake:

- **Description:** Crystal Lake bi-monthly sampling and analysis began in August at three locations; boardwalk, nature trail and drainage into lake.
- **Status:** Project ended at the end of September 2020.

#### Okatie West Pond:

- **Description:** The University of South Carolina Beaufort's Water Quality Lab collected data on a variety of water quality parameters, including fecal coliform and *E. coli* bacteria, prior to and after detention pond construction. Sampling points allowed for the determination of the pond's bacterial removal efficiency, as well as the extent to which pond effluent was reloaded with bacteria as it was conveyed by ditch to the Okatie River's headwaters. Sampling took place in February 2018, prior to pond construction, and again in February 2019 when pond construction was complete.
- **Status:** Project was completed in February 2019.

### USCB Laboratory

- **Hilton Head:** GEL Engineering: Discontinued receiving samples for Hilton Head collected by GEL Engineering 4x/quarter due to using another laboratory .

# TOWN COUNCIL

## STAFF REPORT Engineering Department



<b>MEETING DATE:</b>	August 10, 2021
<b>SUBJECT:</b>	Engineering Department Monthly Report
<b>PROJECT MANAGER:</b>	Bryan McIlwee, Director of Engineering

### **CAPITAL IMPROVEMENTS PROGRAM (CIP) AND SPECIAL PROJECTS UPDATE**

#### **PATHWAYS**

- 1. Goethe-Shults Sidewalks Phase 2**
  - Notice to Proceed with construction was issued 7/1/2021.
  - Materials are being delivered and clearing is underway.
  - **Next Steps**
    - Complete construction.
  
- 2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting**
  - Boardwalk lighting has been installed and design of street lighting is underway.
  - Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive: construction to start in August.
  - Phase 6B along Simmons ville Road from Sugaree Drive northward to the existing New Mustang Road: engineering design for this final sidewalk phase is underway.
  - **Next Steps**
    - Prepare and obtain streetlight easements and install lighting for Phase 5.
    - Complete construction of Phase 6A sidewalks in December 2021.
    - Phase 6B design and construction of the remaining Simmons ville Road sidewalks to be completed in FY 2022.
  
- 3. Bridge Street Streetscape**
  - Phase 1 construction documents are 90% complete and under permitting review.
  - SCDHEC 319 grant application was awarded for \$179,700 for drainage and water quality improvements.
  - Easement exhibits, appraisals and just compensation are complete.
  - **Next Steps**
    - Complete engineering design and permitting in December 2021.
    - Construction is anticipated to start in the second quarter of FY 2022.

**4. Boundary Street Streetscape**

- Surveying and engineering design underway
- **Next Steps**
  - Complete draft preliminary engineering design in September 2021.

**5. New River Linear Trail**

- **Next Steps**
  - Obtain quote and begin surveying.
  - Prepare a conceptual master plan and Phase 1 site development in FY 2022.
  - Research grant opportunities to fund planning and construction of future trail improvements.

**SEWER & WATER****1. Buck Island-Simmonsville Sewer (Phases 5A-5D)**

- Construction is underway on Phase 5A-D.
- **Next Steps**
  - Complete construction on Phase 5A-D by 8/29/21 contingent upon limited weather delays or unforeseen utility conflicts.
  - Start house connections after the main line is approved by DHEC.

**2. Historic District Sewer Extension Phase 1 - Pritchard Street**

- Main line construction and gravity connections are complete.
- **Next Steps**
  - Finalize grinder pump house connections.
  - Once construction project is complete, Pritchard Street will be resurfaced from the intersection of Tabby Shell Road south to the intersection of Bridge Street. The resurfacing will cover both lanes of travel.

**3. Historic District Sewer Extension Phase 2 - Bridge Street**

- Received SCDHEC permit to construct.
- Received Quit Claim Deeds from all the property owners along the ghost road.
- **Next Steps**
  - Obtain road ownership from SCDOT.
  - Select contractor.

**4. Historic District Sewer Extension Phases 3 through 6 – Colcock, Lawrence, Green and Water Streets**

- Started surveying and design.
- **Next Steps**
  - Review design drawings.

## **HISTORIC DISTRICT IMPROVEMENTS**

### **1. Boundary Street Lighting**

- Phase 2 photometric plans, encroachment permits and lighting agreements are complete and approved.
- SCDOT and Dominion indicated poles must be installed on private property due to conflicts with sewer force main and communication utilities within the ROW. Easements must now be obtained to install Phase 2 lighting.
- **Next Steps**
  - Coordinate lights in conjunction with streetscape design.
  - Obtain easements as needed for Phase 2 street lighting.
  - Begin installation of street lighting in the summer of 2021.

### **2. Historic District Streetscape and Drainage Improvements**

- Engineering design, landscape design and permitting are underway for the drainage improvements at the AME Church.
- Contracted with Traffic planning and design consultant to evaluate crosswalks in the Historic District and provide recommendations/prioritization of future improvements to meet ADA compliance.
- **Next Steps**
  - Bid AME site construction in July 2021.
  - Obtain Traffic Consultant Report with ADA recommendations in August 2021.
  - Prepare and execute contracts for construction at the AME Church.

### **3. Calhoun Street Streetscape**

- Conceptual master planning complete and approved in 2020.
- Obtained contract approval for engineering services at the January 2021 Town Council meeting.
- Surveying and engineering design underway.
- **Next Steps**
  - Obtain all survey data in July and continue with engineering design. Obtain preliminary plan in September and continue planning into FY 2022.
  - Easement acquisition is planned for FY 2022.
  - Phased construction is planned to begin in FY 2023 pending budget approval.

### **4. Squire Pope Carriage House Preservation**

- Construction documents are complete and submitted to SHPO for a courtesy review.
- Meadors Architectural to provide stabilization documents.
- **Next Steps**
  - Prepare stabilization bid solicitation package.
  - Budget approval for future construction funding.

## **PARK DEVELOPMENT**

### **1. Oyster Factory Park**

- Conceptual master plan has been updated and reviewed by Town Council at the January Quarterly Workshop.
- Witmer, Jones and Keefer completed design development drawings in May 2021.
- Executed engineering design contract for the next phase of development.
- **Next Steps**
  - Obtain ACOE and DHEC Permit for installation of salvaged dock components from Calhoun Street.
  - Begin final engineering design for the next phase of master planned improvements in FY 2022.

### **2. Wright Family Park**

- Park construction complete.
- Obtained contract to install HVAC to restroom building.
- **Next Steps**
  - Coordinate ribbon cutting ceremony as pandemic allows.
  - Complete HVAC construction in August 2021.

### **3. Oscar Frazier Park**

- Sidewalk construction complete.
- **Next Step**
  - Obtain proposals to regrade and resod the Field of Dreams, add synthetic turf to the playground area, and add electrical pedestals around field.
  - Continue planning of future improvements in FY 2023 and beyond.

### **4. New Riverside Barn/Park**

- Awaiting results of grant application with LWCF for \$500,000.00 funding of the initial phase of the project. Application is under review by NPS.
- Engineering design of Phase 1 site development is underway.
- Hart Howerton completed Landscape Design Development for Phase 1 site development and schematic design of the restroom and barn additions.
- Executed contract to prepare construction documents for the restroom building.
- Executed contract for preliminary design of playground area.
- **Next Steps**
  - Begin final architectural plans for Phase 1 restroom building.
  - Complete construction drawings, cost estimating and permitting of Phase 1 site development in the second quarter of FY 2022.
  - Bidding and construction of Phase 1 site development is anticipated to begin in the third quarter of FY 2022.

### **5. May River Road Pocket Park**

- Presented conceptual plans at 7/20/21 Town Council Workshop.
- Coordinating with Mayberry Holdings for final design plan.

- Obtaining bids to raise stormceptor.
- Obtaining updated boundary, tree, topo and as-builts.
- **Next Steps**
  - Finalize plan with Mayberry Holdings.
  - Generate construction documents.
  - Submit Public Project application.
  - Bid construction landscape improvements.

## **TOWN FACILITIES AND MISCELLANEOUS PLANNING**

### **1. Buckwalter Place Park Restroom**

- Design for the Buckwalter Park restroom is underway.
- **Next Steps**
  - Obtain permits for the utility extensions for the proposed Buckwalter Park Restroom. Restroom building is planned to be constructed in FY 2023.

### **2. Town of Bluffton Housing Projects**

- **Next Steps**
  - Planning and design to begin upon completion of Joint Venture Agreement.
  - Assist with the preparation of a comprehensive cost estimates for planning, design and construction for the various housing projects.

### **3. Law Enforcement Center Facility Improvements**

- Parking and service yard expansion construction began in December 2020.
- Bid and negotiated contract for landscape construction in May 2021.
- **Next Steps**
  - Continue construction of LEC service yard and parking improvements. Construction anticipated to be complete by the August 2021.
  - Add storage shed and covered parking to project per police department request.
  - Information Technology department coordinating upgrades to building security systems.

### **4. Ghost Roads**

- Surveying and easement exhibits are complete.
- Bridge Quit Claim Deeds are complete. Pritchard and Colcock Street Quit Claim Deeds are 95% complete.
- Staff is meeting with property owners to raise awareness of the acquisition efforts and communicate next steps.
- **Next Steps**
  - Continue meeting with property owners and obtaining Quit Claim Deeds.

### **5. Community Safety Cameras**

- Cameras have been installed at Bluffton Road public parking lot, Veterans Park, Wright Family Park and Calhoun Street Dock.

- Fourteen older cameras in the network have been replaced.
  - **Next Steps**
    - Continue with camera replacements and upgrades as necessary.
    - Add cameras to new LEC service yard area.
- 6. Public Works Facility Improvements**
- Prepare the plans for expanding of Public Works yard.
  - Install new plumbing and electric for the washer and dryer.
  - **Next Steps**
    - Begin design and permitting for the expansion of the yard.
    - Obtain quotes for the installation of the plumbing and electric.
- 5. Rotary Community Center Facility Improvements**
- Replace the hardwood floor in the main area.
  - **Next Steps**
    - Request bids for the replacement of the new floor.
- 6. Watershed Management Facility Improvements**
- Add flooring in additional offices.
  - **Next Steps**
    - Request quotes on completing the new flooring in remaining offices.

### **DIVISION/STAFF UPDATES**

#### **Project Management**

Thirty-five (35) CIP projects were approved with the FY 2022 budget. Don Ryan Center, Veteran Memorial, Buckwalter Park, BIS Phase 5 sidewalks, BIS Sewer Phase 5E, Wright Family Park, Calhoun Street Dock, Oscar Frazier Sidewalks and numerous building facility improvements were completed in FY 2021. CIP projects including HD Sewer Phase 1 (Pritchard Street), BIS Sewer Phase 5A-D and the LEC Expansion area are currently under construction and scheduled to be complete in August 2021. Boundary Street Lighting, BIS Phase 6A Sidewalks, Goethe Shults Sidewalks Phase 2 and HD Sewer Phase 2 are expected to start construction this summer. The remaining CIP projects are still in the design phase and several are planned to start construction in third quarter of FY 2022.

#### **Watershed Management**

- 1. Southern Lowcountry Regional Board (SoLoCo)**
  - a. Regional Southern Lowcountry Post Construction Stormwater Ordinance and Design Manual**
    - Via concurrence of the Mayor and direction by the Town Manager, staff has participated in the SoLoCo Technical Working Group to develop a regional stormwater model ordinance and design manual and investigate the viability of a regional stormwater authority.

- Beaufort County adopted the SoLoCo Stormwater ordinance and design manual and began implementation 2/1/21.
- 2/9/21 Town Council tabled the item until the SoLoCo Technical Subcommittee has completed its review.
- SoLoCo Technical Subcommittee met in May to review 67 comments received and developed responses.
- Stakeholder meeting was held to discuss final comments on 6/29/21.
- **Next Steps**
  - Second and Final Reading by Town Council.

## 2. **Sea Level Rise Task Force**

- Following Beaufort County's presentation and request for regional participation at the 10/22/19 SoLoCo meeting, staff attended the Sea Level Rise Task Force meetings to discuss a possible No Fill Ordinance, a Coastal Resilience Overlay District, and county-wide sea level rise adaptation strategies.
- Task Force met 12/15/20 and 12/18/20 to prioritize recommendations for final document with strategies for local governments to implement policies, ordinances and projects to mitigate the potential impacts of sea level rise.
- Task Force met on 6/23/21 to review current versions of both the No Fill Ordinance and the Coastal Resilience Overlay District. Town planning staff provided feedback on the proposed Overlay District.
- **Next Steps**
  - Beaufort County to present and request a recommendation from SoLoCo for regional partners to adopt.

## 3. **Joint Councils Meeting for Watershed Management Initiatives**

- BJWSA developed their CIP list for FY 2020 sewer projects which does not include any projects in the County's jurisdiction in the May River Headwaters without cost-sharing.
- Following the Joint Councils Meeting with BJWSA, held on 2/25/20, staff from Beaufort County and Town of Bluffton met to discuss sewer extension scope and strategy on 2/27/20.
- Staff from the Town, County, and BJWSA met via Zoom 3/27/20 to confirm project scope, cost, and potential project manager. the last project cost estimate to extend, connect, and abandon septic in the Stoney Creek project area is \$4.7 million (B. Chemsak email 7/22/19) but they anticipate those numbers increasing to \$5.5 million. The proposal is 1/3 cost-share, so the Town's portion would be approximately \$1.83 million. Beaufort County has not formally agreed or committed any funding.
- Neither BJWSA nor Beaufort County have committed funds in FY 2021 to begin sewer extension.
- Town Manager, Director of Engineering and staff met with BJWSA General Manager, Engineer and staff on 6/5/20 to discuss how to move the project forward.

- The Town submitted a response on 12/18/21 to BJWSA’s “call for projects” request that prioritizes May River Watershed sewer projects.
  - Staff drafted a letter for the Town Manager’s review requesting Beaufort County commitment to cost-share Stoney Creek/Palmetto Bluff Rd. sewer project in the May River watershed.
  - Staff presented an update on current status at 4/20/21 Town Council Workshop.
  - Town Council sent a letter on 4/26/21 requesting Beaufort County Council consider funding in FY22 for sewer extension projects in the May River watershed in the County’s jurisdiction.
  - **Next Steps**
    - Town Council made the decision to setup a meeting between Town Council and Bluffton County Council representatives.
4. **SC Department of Health and Environmental Control May River Shellfish Harvesting Monitoring Data Year-to-Date and May River Shellfish Harvesting Status Exhibit – Attachments 1 and 1a**
5. **May River Watershed Action Plan Implementation Summary - Attachment 2**
6. **Municipal Separate Storm Sewer System (MS4) Program Update**
- Staff is currently updating the Town’s MS4 Stormwater Management Plan and supporting documentation. SCDHEC is currently in the process of developing a revised National Pollutant Discharge and Elimination (NPDES) Permit for Small MS4s and will re-issue to permittees, including the Town, in the future.
  - Staff received correspondence regarding the Town’s audit by SCDHEC in October 2020. SCDHEC did not find any permit compliance issues with the Town’s MS4 Program.
7. **MS4 Minimum Control Measure (MCM) - #1 Public Education and Outreach, and MS4 MCM - #2 Public Participation and Involvement**
- Staff presented information on a drainage improvement project at the Buck Island/Simmons Rd Neighborhood meeting on 6/10/21.
  - The May River Watershed Action Plan Advisory Committee was held 7/22/21. Two (2) newly appointed members, Manning and White, were in attendance.
- Attachment 3**
- Staff is developing a video on proper inlet protection practices for the Town’s Sediment and Erosion Control Program.
  - Staff continues to work with the Town Digital Communication Manager to promote a series of MS4 stormwater educational tips and reminders for the Bluffton community via the Town’s Facebook page.
8. **MS4 MCM – #3 Illicit Discharge Detection and Elimination**
- Stormwater Infrastructure Inventory Map - **Attachment 4a**
  - *E. coli* Concentrations Trend Map - **Attachment 4b**
  - Monthly, Microbial Source Tracking (MST) Maps - **Attachments 4c and 4d**

- Staff collected fourteen (14) MST samples from the May River Watershed on 6/21/21 due to large amounts of rain over the course of the month. Results from this sampling event was shared via email with Council and Senior Staff on 6/29/21.
  - Town staff coordinates with the SC Department of Health and Environmental Control (SCDHEC) to pull MST samples concurrently with the state's routine shellfish harvesting water quality sampling at stations 19-19, 19-19A, 19-19B, 19-19C, and 19-24. SCDHEC conducted sampling on 7/12/21. The human genetic marker was not detected at any SCDHEC shellfish harvesting station collected.
  - Illicit Discharge Investigations – **Attachment 4e**
- 9. MS4 MCM – #4 Construction Site Stormwater Runoff Control – Attachment 5**
- 10. MS4 MCM – #5 Stormwater Plan Review and Related Activity – Attachment 6**
- 11. MS4 MCM – #6 Good Housekeeping (Staff Training/Education)**
- Staff conducted internal Sediment and Erosion Control training for appropriate inspection staff on 6/29/21.
  - Staff attended the Flooding 411 Webinar, Who's Who for Flood Management and Recovery on 7/21/21.
  - Staff provided illicit discharge detection and elimination (IDDE) and good housekeeping educational handouts to one (1) new Town employee.
- 12. Citizen Drainage, Maintenance, and Inspections Concerns Map – Attachment 7**
- 13. Citizen Request for Watershed Management Services & Activities – Attachment 8**

#### Public Works

- 1. MS4 MCM – #6 Good Housekeeping (Ditch, Drainage and Roadside Maintenance)**
- Performed weekly street sweeping on Calhoun Street, Highway 46, Bruin Road, May River Road, Pin Oak Street, and curbs and medians on Simmonsville and Buck Island Roads.
  - Performed ditch inspections
    - Arrow ditch (2,569 LF)
    - Red Cedar ditch (966 LF)
    - Buck Island roadside ditch (15,926 LF)
    - Simmonsville roadside ditch (13,792 LF)
  - Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simmonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road and Eagles Field.
  - Ongoing mowing of the New River side trail and field at New River barn.
  - Beautification Program/Landscape Maintenance - ongoing routine.

2. **Facilities** - Facilities and Parks Maintenance - ongoing routine.
3. **Special Events and Rental Activities Report - Attachment 9**
4. **Public Works Activities Report - Attachment 10**

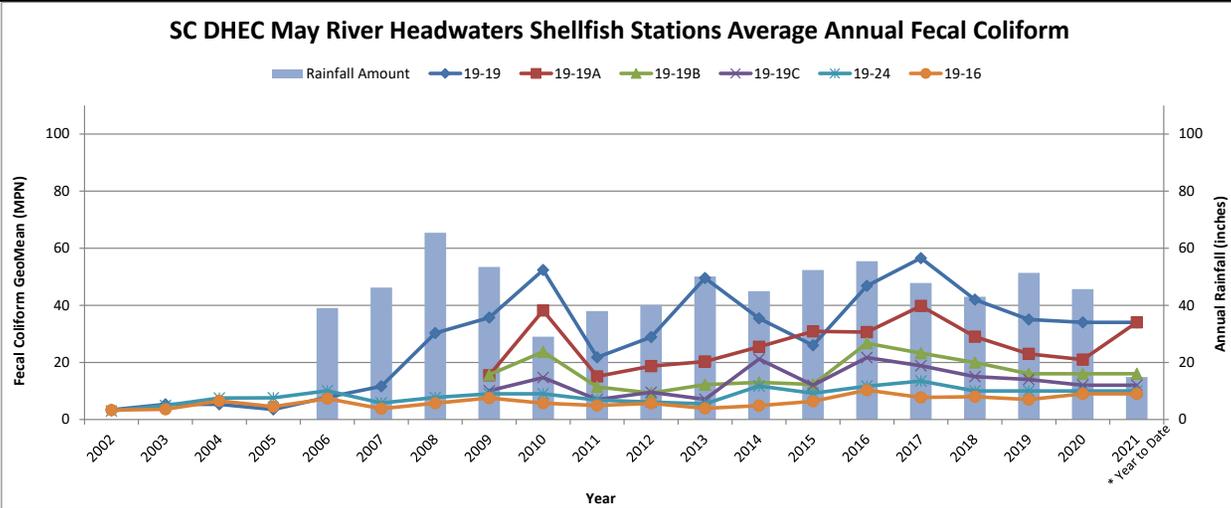
#### Attachments

1. SCDHEC Shellfish Harvesting Monitoring Data Year-to-Date
  - a. SCDHEC May River Shellfish Harvesting Status Exhibit
2. May River Watershed Action Plan Implementation Summary\*
3. MS4 Minimum Control Measures #1 and #2 – May River Watershed Action Plan Advisory Committee Cancellation Notice
4. MS4 Minimum Control Measure #3 – Illicit Discharge Detection and Elimination
  - a. Stormwater Infrastructure Inventory Map
  - b. *E. coli* Concentrations Trend Map
  - c. Microbial Source Tracking Trend Map – Human Source
  - d. Microbial Source Tracking Map – All Sources
  - e. Illicit Discharge Investigations
5. MS4 Minimum Control Measure #4 – Construction Site Stormwater Runoff Control
6. MS4 Minimum Control Measure #5 – Stormwater Plan Review and Related Activity
7. Citizen Drainage, Maintenance and Inspections Concerns Map
8. Citizen Request for Watershed Management Services and Activities Map
9. Rental and Special Events Activity Report
10. Public Works Activities Report
11. CIP Project Schedules

\* Attachment noted above includes the latest updates in bold and italic font.

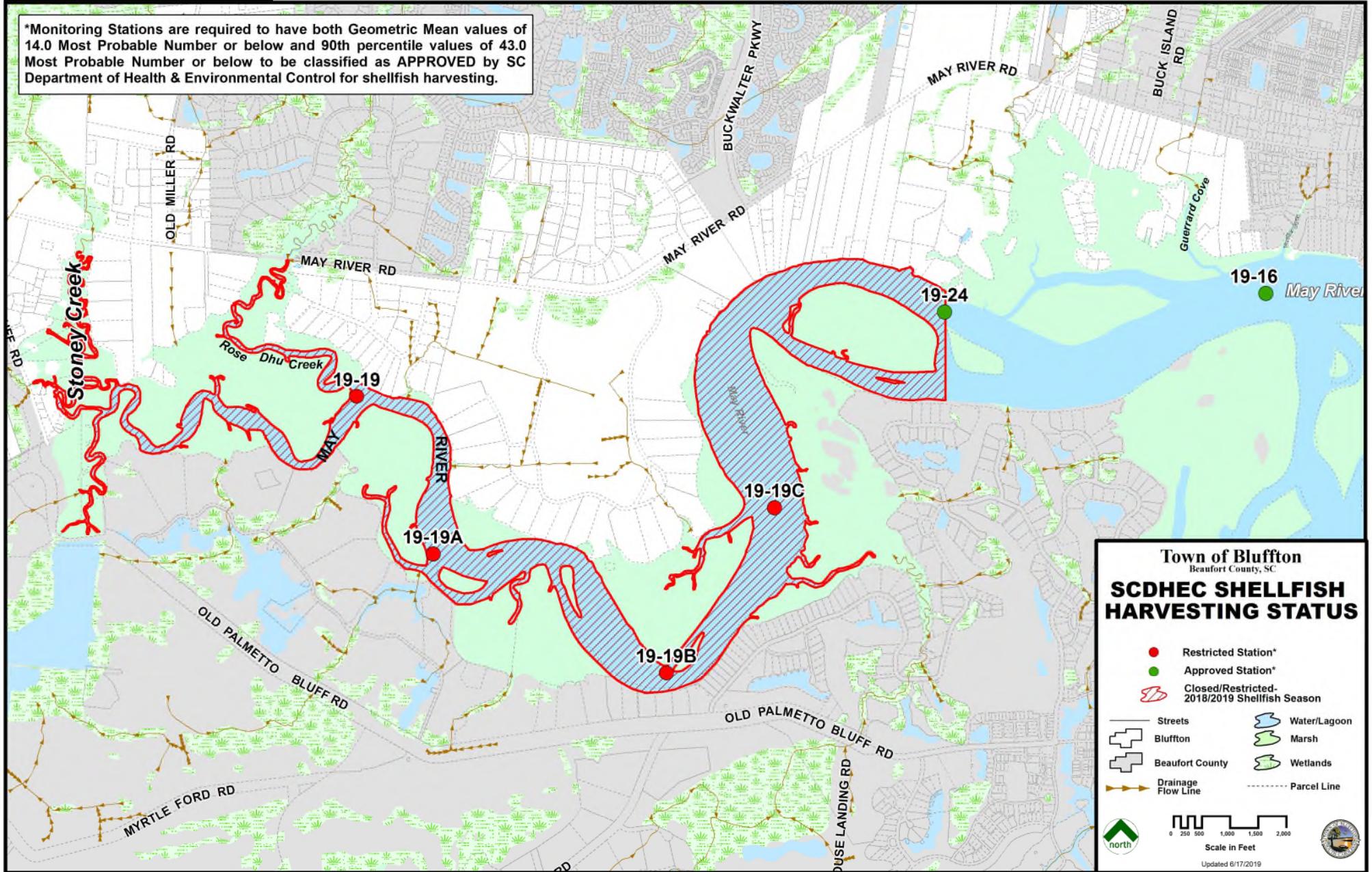
	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2018	2019	2020	2021	2018	2019	2020	2021	2018	2019	2020	2021	2018	2019	2020	2021	2018	2019	2020	2021	2018	2019	2020	2021
	Fecal Coliform (MPN)																							
December	79.0	170.0	17.0		49.0	33.0	22.0		33.0	140.0	17.0		46.0	33.0	4.5		23.0	13.0	4.0		21.0	110.0	11.0	
November	49.0	17.0	70.0		13.0	6.8	31.0		23.0	7.8	17.0		17.0	11.0	13.0		17.0	4.5	13.0		7.8	2.0	4.5	
October	79.0	7.8	49.0		23.0	4.5	79.0		7.8	2.0	31.0		7.8	4.5	21.0		7.8	1.8	33.0		2.0	2.0	79.0	
September	49.0	79.0	110.0		23.0	33.0	49.0		13.0	6.8	49.0		17.0	17.0	33.0		17.0	4.5	33.0		17.0	1.8	33.0	
August	70.0	70.0	49.0		23.0	49.0	49.0		13.0	33.0	23.0		4.5	22.0	23.0		7.8	7.8	17.0		17.0	17.0	22.0	
July	23.0	4.5	33.0		33.0	13.0	13.0		11.0	7.8	23.0		7.8	17.0	7.8		13.0	22.0	7.8		4.5	13.0	17.0	
June	11.0	33.0	NS		23.0	49.0	NS		23.0	49.0	NS		7.8	46.0	NS		4.5	13.0	NS		1.8	4.5	NS	
May	17.0	7.8	70.0	2.0	33.0	9.2	49.0	49.0	17.0	7.8	23.0	23.0	13.0	2.0	22.0	23.0	23.0	6.8	6.8	23.0	13.0	4.5	4.5	7.8
April	33.0	23.0	33.0	33.0	13.0	13.0	33.0	23.0	17.0	7.8	13.0	22.0	17.0	6.8	6.8	17.0	49.0	23.0	13.0	7.8	17.0	6.8	13.0	2.0
March	22.0	23.0	170.0	33.0	21.0	23.0	49.0	11.0	4.5	6.8	130.0	17.0	11.0	13.0	49.0	13.0	7.8	7.8	70.0	2.0	9.3	4.5	33.0	2.0
February	17.0	64.0	17.0	79.0	7.8	33.0	7.8	70.0	17.0	23.0	21.0	79.0	17.0	31.0	4.5	23.0	2.0	6.8	4.5	7.8	7.8	13.0	6.8	6.8
January	13.0	23.0	95.0	17.0	2.0	23.0	33.0	17.0	4.5	13.0	33.0	13.0	2.0	33.0	17.0	23.0	1.8	7.8	17.0	17.0	4.5	23.0	17.0	13.0
Additional Samples																								
Average Annual GeoMean	30.8	26.4	51.4	19.6	17.5	19.0	31.9	27.2	13.1	13.0	27.3	24.5	10.7	14.5	14.0	19.3	9.8	8.0	13.8	8.6	7.9	7.5	15.3	4.9
** Truncated GeoMetric Mean	42.0	35.0	34.0	32.0	29.0	23.0	21.0	24.0	20.0	16.0	16.0	19.0	15.0	14.0	12.0	15.0	10.0	10.0	10.0	10.0	8.0	7.0	9.0	9.0
** Truncated 90th Percentile	176.0	168.0	106.0	125.0	115.0	89.0	59.0	63.0	71.0	63.0	50.0	64.0	56.0	52.0	37.0	40.0	44.0	38.0	31.0	31.0	30.0	32.0	35.0	35.0

NS = No Sample  
 AS = Additional Samples  
 \*\* Town staff calculations utilizing DHEC statistics



May River Headwaters

\*Monitoring Stations are required to have both Geometric Mean values of 14.0 Most Probable Number or below and 90th percentile values of 43.0 Most Probable Number or below to be classified as APPROVED by SC Department of Health & Environmental Control for shellfish harvesting.



ACTIVITY - FINANCIAL	STATUS
Funding Opportunities	Council unanimously adopted \$115 SWU Fee and NPDES-related Fees on 6/9/20.
ACTIVITY - POLICIES	STATUS
Sewer Connection & Extension Policy	<i>Completed 2017.</i>
Septic to Sewer Conversion Program	<i>Completed 2018.</i>
Sewer Connection Ordinance and Ordinance Amendment	<i>Completed 2015 and 2018, respectively.</i>
Southern Lowcountry Regional Stormwater Ordinance and Design Manual	<b><i>Current project updates are included in Engineering Consent Agenda under "Southern Lowcountry Regional Board (SoLoCo)."</i></b>
ACTIVITY - PROJECTS	STATUS
Sanitary Sewer Extension	Completed Buck Island/Simmonsville Road (BIS) Phases I, II, III, IV; Toy Fields; Jason/Able; and Poseys Court. Six project phases of Historic District sewer extension are proposed in the 5-year Capital Improvement Program. <b><i>Current project updates are included in Engineering Consent Agenda under "Sewer &amp; Water."</i></b>
May River 319 Grant Phase 1 - New Riverside Pond (Grant award of \$483,500 in 2009)	<i>Completed 2013.</i>
May River 319 Grant Phase 2 - Pine Ridge (Grant award of \$290,000 in 2011)	<i>Completed 2016.</i>
May River 319 Grant Phase 3 - Town Hall Parking Retrofit (Grant award of \$231,350 in 2016)	<i>Completed 2019.</i>
May River 319 Grant Phase 4 - Sanitary Sewer Connections (Grant award of \$365,558.36 in 2019)	Grant to construct 49 sewer lateral connections in Poseys Court, Little Aaron and Historic District Phases 1 and 2. <b><i>Current project updates are included in Engineering Consent Agenda under "Sewer &amp; Water."</i></b>
May River 319 Grant Phase 5 - Bridge Street Streetscape (Grant award of \$179,900 in 2020)	Supports enhanced drainage and water quality improvements as part of the Bridge Street Streetscape project. <b><i>Current project updates are included in Engineering Consent Agenda under "Pathways."</i></b>
Stoney Creek Wetlands Restoration: Preliminary Design Phase	Project on hold following Council direction on 5/31/17.
May River Watershed Action Plan Update & Modeling Report	<i>Completed 2021. Town Council adopted the document as a supporting document to the Comprehensive Plan on 2/9/21.</i>
ACTIVITY - PROGRAMS	STATUS
Public Outreach/Participation/Involvement (MS4 Minimum Control Measures #1 & 2)	Outreach and involvement efforts continue through county-wide partnership with Carolina Clear as Lowcountry Stormwater Partners - Neighbors for Clean Water, through local cleanups, civic group presentations, and the May River Watershed Action Plan Advisory Committee. <b><i>Current updates are included in Engineering Consent Agenda and Attachment 3.</i></b>
Infrastructure Mapping/GIS (MS4 Minimum Control Measure #3)	Data points continue to be collected with new development to meet MS4 requirements & populate water quality model. <b><i>Current updates are included in Engineering Consent Agenda Attachment 4a.</i></b>

ACTIVITY - PROGRAMS continued	STATUS continued
Water Quality Monitoring Program (MS4 Minimum Control Measure #3)	1. SCDHEC Shellfish monitoring results and map 2. <i>E. coli</i> bacteria "hot spot" concentrations 3. Microbial Source Tracking of bacteria 4. Illicit Discharge investigation and monitoring 5. BMP efficacy monitoring 6. MS4 monitoring <b><i>Current updates are included in Engineering Consent Agenda Attachments 1, 1a, 4b - 4d.</i></b>
Illicit Discharge Detection & Elimination (IDDE) Program (MS4 Minimum Control Measure #3)	Response to reported and observed non-stormwater discharges to the stormwater drainage system. <b><i>Current updates are included in Engineering Consent Agenda Attachment 4e.</i></b>
Construction Site Stormwater Runoff Control Program (MS4 Minimum Control Measure #4)	Sediment and erosion control inspections with escalating enforcement response. <b><i>Current updates are included in Engineering Consent Agenda Attachment 5.</i></b>
Stormwater Plan Review & Related Activity Program (MS4 Minimum Control Measure #5)	SCDHEC delegated plan review-related activities. <b><i>Current updates are included in Engineering Consent Agenda Attachment 6.</i></b>
Ditch Inspection/Maintenance Program (MS4 Minimum Control Measure #6)	Continued coordination with SCDOT, Beaufort County and Town Public Works to inspect and maintain ditches within the Town's jurisdiction. <b><i>Current updates are included in Engineering Consent Agenda Attachment 7.</i></b>
Neighborhood Assistance Program - Septic System Maintenance Program	On-going assistance offered to Town residents regardless of financial status through Neighborhood Assistance Program (NAP). <b><i>Current updates are provided in Growth Management Consent Agenda.</i></b>



# May River Watershed Action Plan Advisory Committee Meeting

Thursday, July 22, 2021 at 9:00 AM

Council Chambers

## AGENDA

### PUBLIC COMMENT

Public comments will be received via conference line provided by staff. All requests for public hearing or public comment will be accepted up to two (2) hours prior to the scheduled meeting start time.

**I. CALL TO ORDER**

**II. ROLL CALL AND CONFIRMATION OF QUORUM**

**III. ADOPTION OF THE AGENDA**

**IV. ADOPTION OF MINUTES**

**V. PRESENTATIONS, CELEBRATIONS, AND RECOGNITIONS**

**VI. PUBLIC COMMENTS**

**VII. OLD BUSINESS**

1. Water Quality Monitoring Program (Standing Item) - Beth Lewis, Water Quality Program Administrator
  - a. Monthly Sampling Update
  - b. Microbial Source Tracking (MST) Update
  - c. SCDHEC Shellfish Data Update

**VIII. NEW BUSINESS**

1. Welcome New WAPAC Members
2. Election of Officers

**IX. DISCUSSION**

1. Town of Bluffton Comprehensive Plan - Mike Hughes, Thomas & Hutton Engineering, Consultant Team Member

**X. ADJOURNMENT**

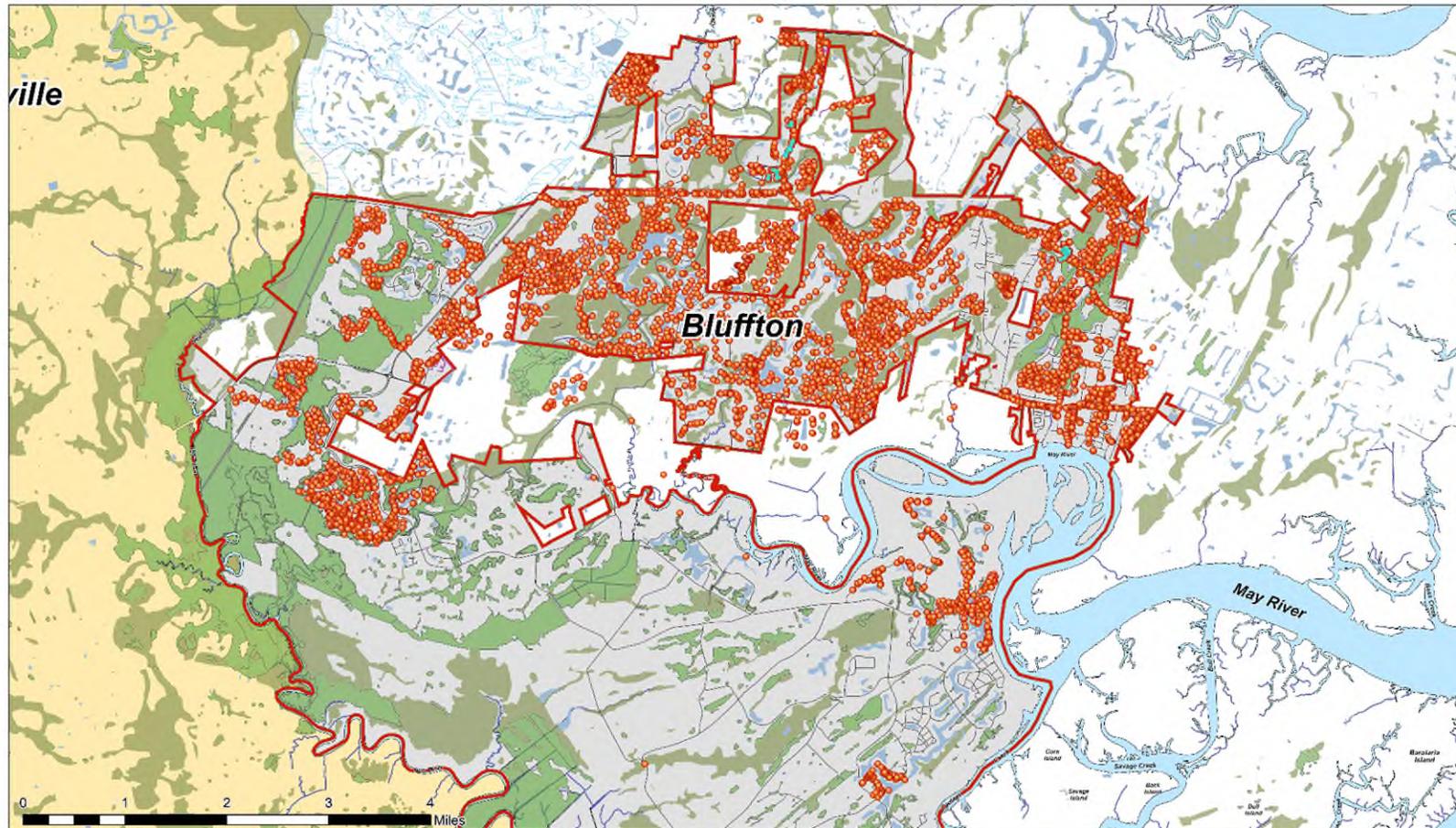
**NEXT MEETING DATE: Proposed 9:00 AM, Thursday, August 26, 2021**

*“FOIA Compliance – Public notification of this meeting has been published and posted in compliance with the Freedom of Information Act and the Town of Bluffton policies.”*

*In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 ("ADA"), the Town of Bluffton will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities. The Town of Bluffton Council Chambers are ADA compatible. Any person requiring further accommodation should contact the Town of Bluffton ADA Coordinator at 843.706.4500 or [adacoordinator@townofbluffton.com](mailto:adacoordinator@townofbluffton.com) as soon as possible but no later than 48 hours before the scheduled event.*

*\*Please note that each member of the public may speak at one public comment session and a form must be filled out and given to the Town Clerk. Public comment must not exceed three (3) minutes.*

# MS4 Minimum Control Measure #3 – IDDE (Illicit Discharge Detection & Elimination): Stormwater Infrastructure Inventory



- SW STRUCTURE
- SW PIPE
- TOWN OF BLUFFTON
- BEAUFORT COUNTY
- JASPER COUNTY
- WETLAND
- WATER
- ROADS

**Town of Bluffton**  
Beaufort County, SC

## STORMWATER INFRASTRUCTURE

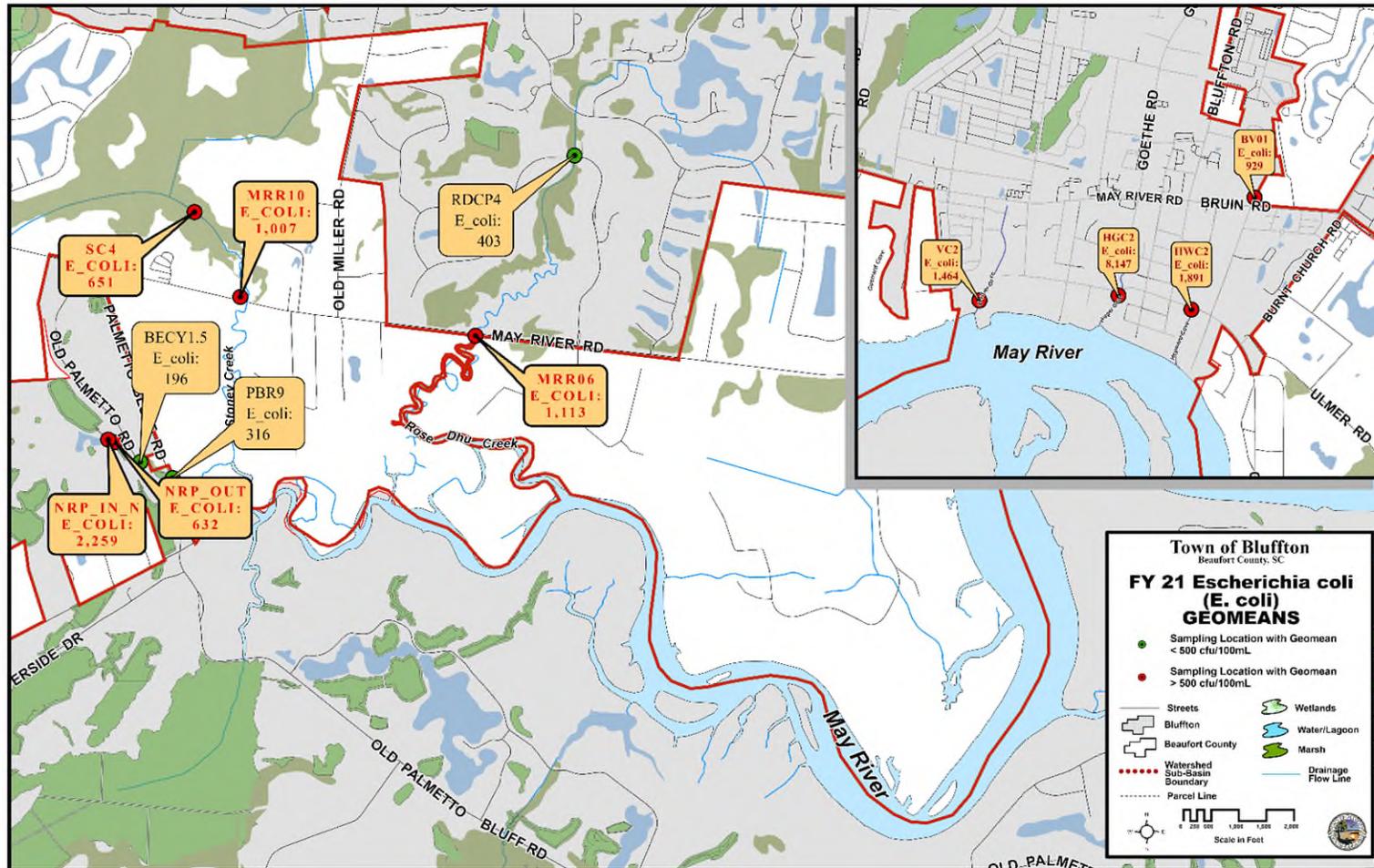
This map was prepared by the Town of Bluffton, South Carolina, as part of the MS4 Minimum Control Measure #3 – IDDE (Illicit Discharge Detection & Elimination) Stormwater Infrastructure Inventory. The map shows the location of stormwater structures and pipes within the town boundary. The map is for informational purposes only and does not constitute a warranty or representation of the accuracy of the information shown. The map is subject to change without notice.




Updated Date: 7/20/2021

Stormwater Infrastructure Inventory Collection Status	
FY 2022 YTD Collection Totals	812
FY 2021 Collection Totals	2,222
FY 2020 Collection Totals	4,878
FY 2019 Collection Totals	2,925

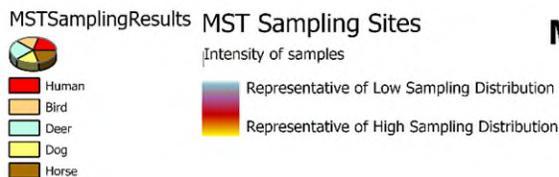
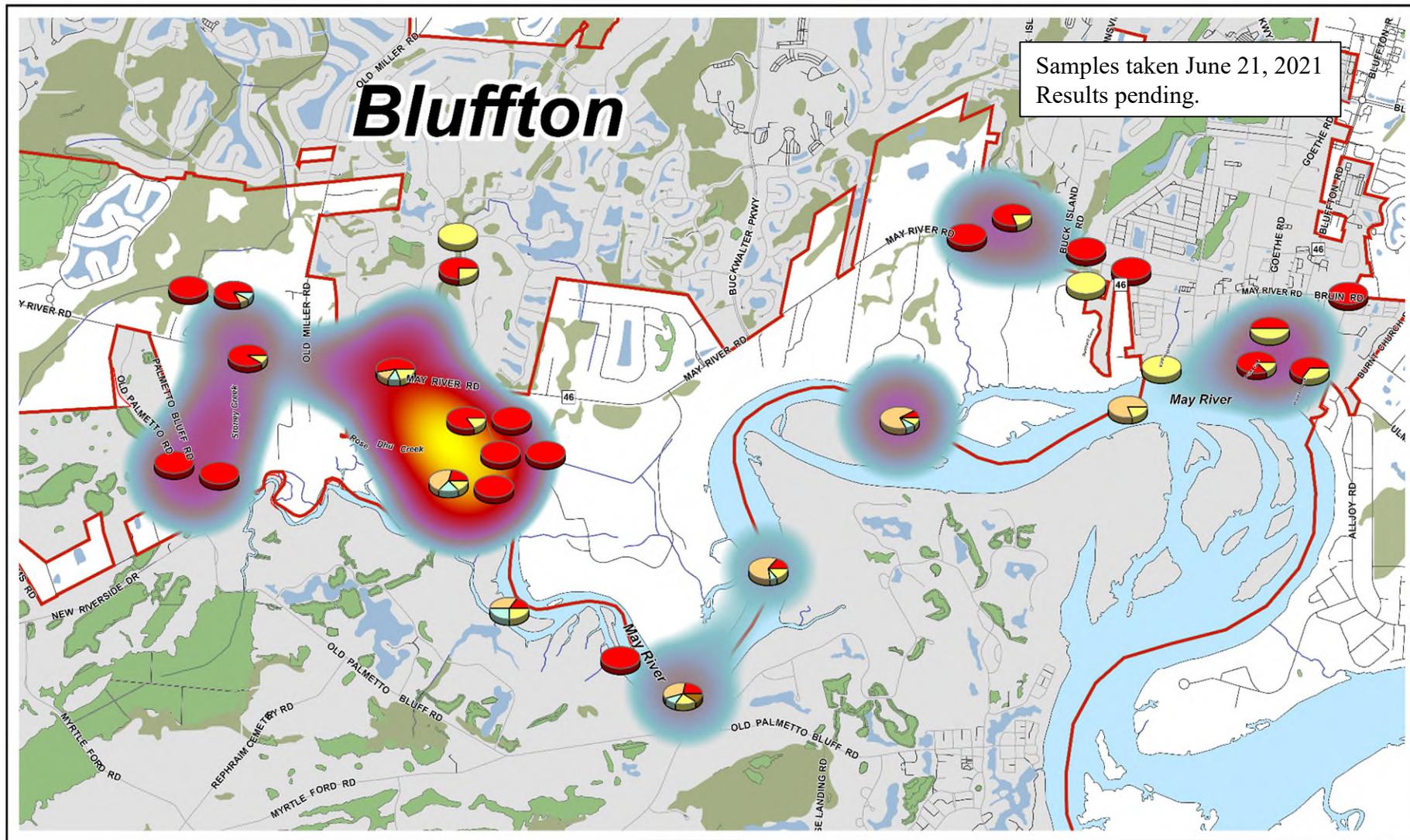
# MS4 Minimum Control Measure #3 – IDDE: E. coli Concentrations Trend Map



E coliform geomeans updated as of: 7/20/2021

	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2022 YTD Totals	0	0	0
FY 2021 Totals	380	115	179
FY 2020 Totals	223	115	123
FY 2019 Totals	280	193	264

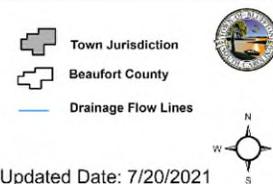
# MS4 Minimum Control Measure #3 – IDDE: Microbial Source Tracking (MST) Trend Map – Human Source



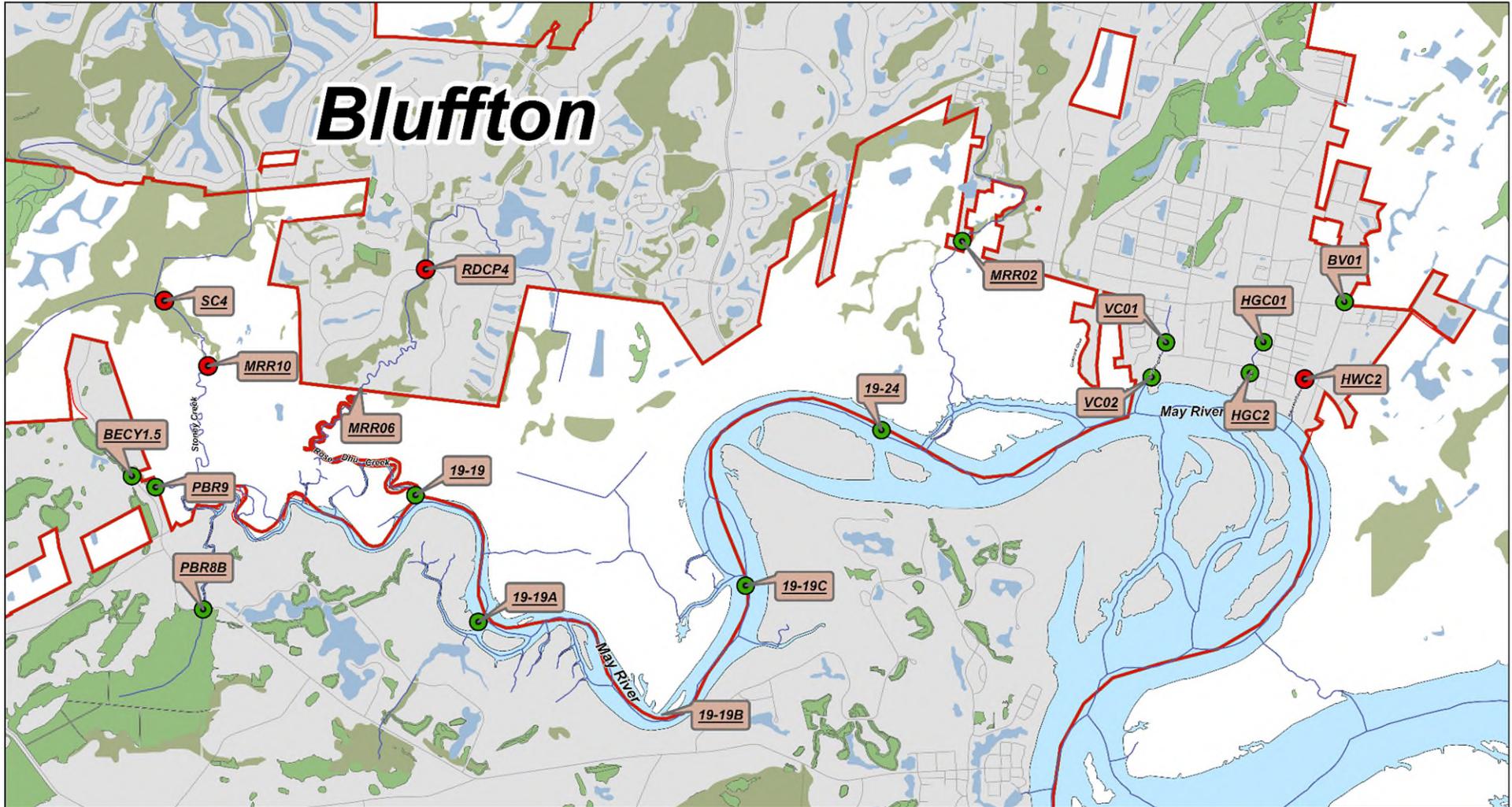
## MICROBIAL SOURCE TRACKING (MST) LOCATIONS

Samples at Sites With Positive Detection  
and the Intensity of Positive Hits

Town of Bluffton  
Beaufort County, SC



# MS4 Minimum Control Measure #3 – IDDE: Microbial Source Tracking (MST) Map – All Sources



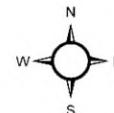
- MST Sampling Location Without Detection
- MST Sampling Location With Detection
- Flowline
- Street
- + Town Jurisdiction
- + County Jurisdiction

## MICROBIAL SOURCE TRACKING LOCATIONS

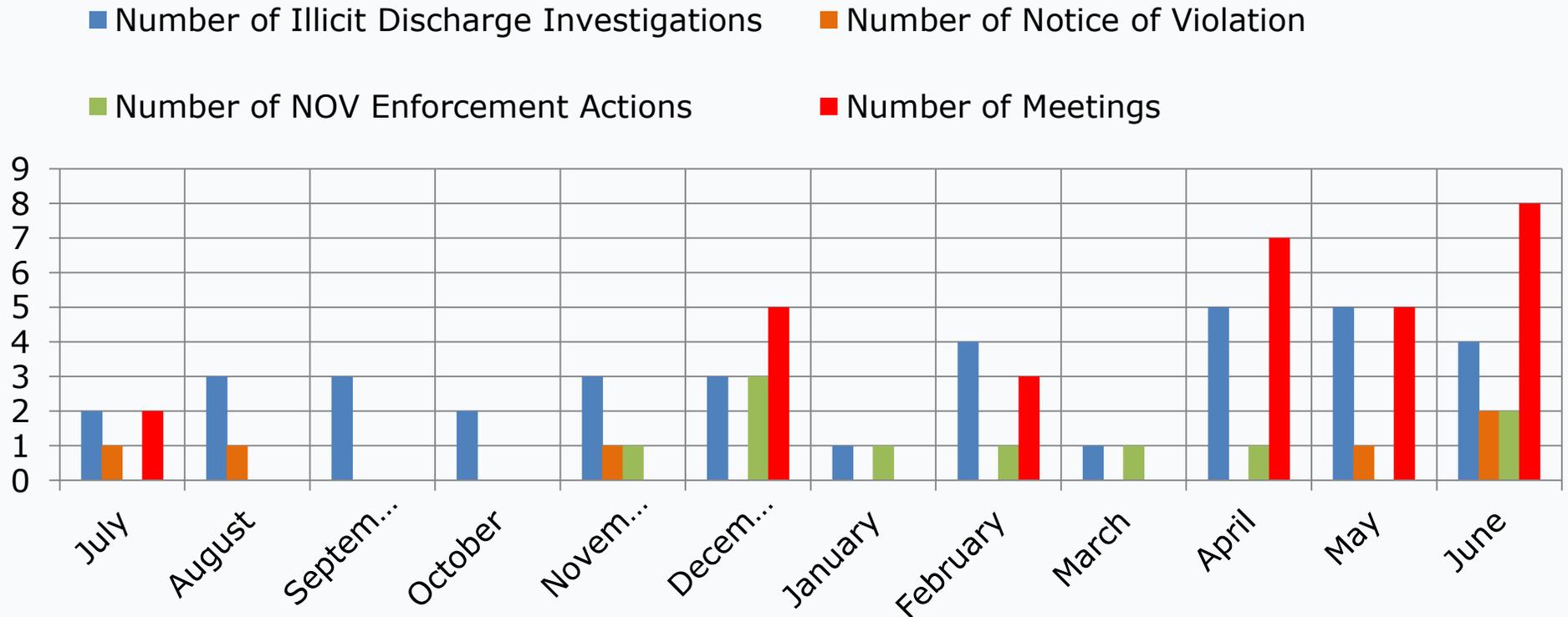
Sampling Results February 2021

Town of Bluffton  
Beaufort County, SC

BLUFFTON  
WATER TREATMENT PLANT  
1000 W. BLUFFTON BLVD.  
BLUFFTON, SC 29910  
(843) 763-1234  
WWW.BLUFFTONSC.GOV

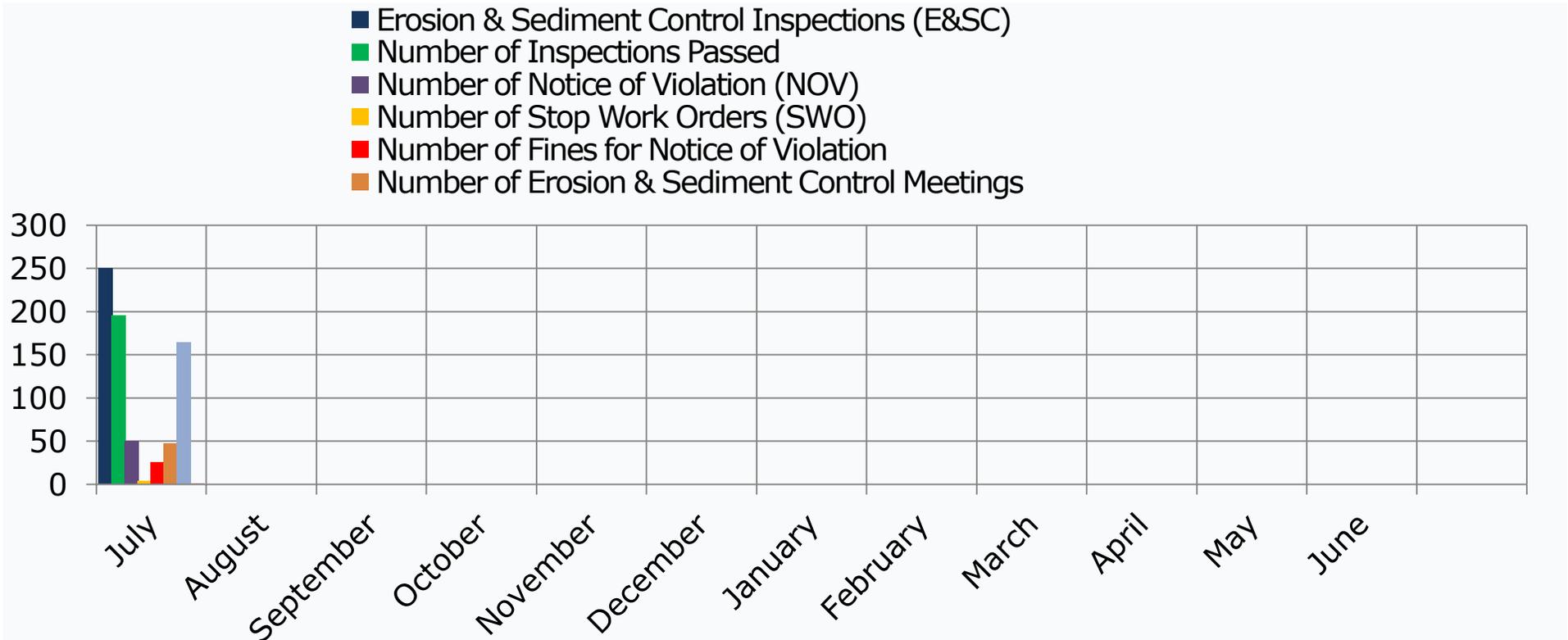


## MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations



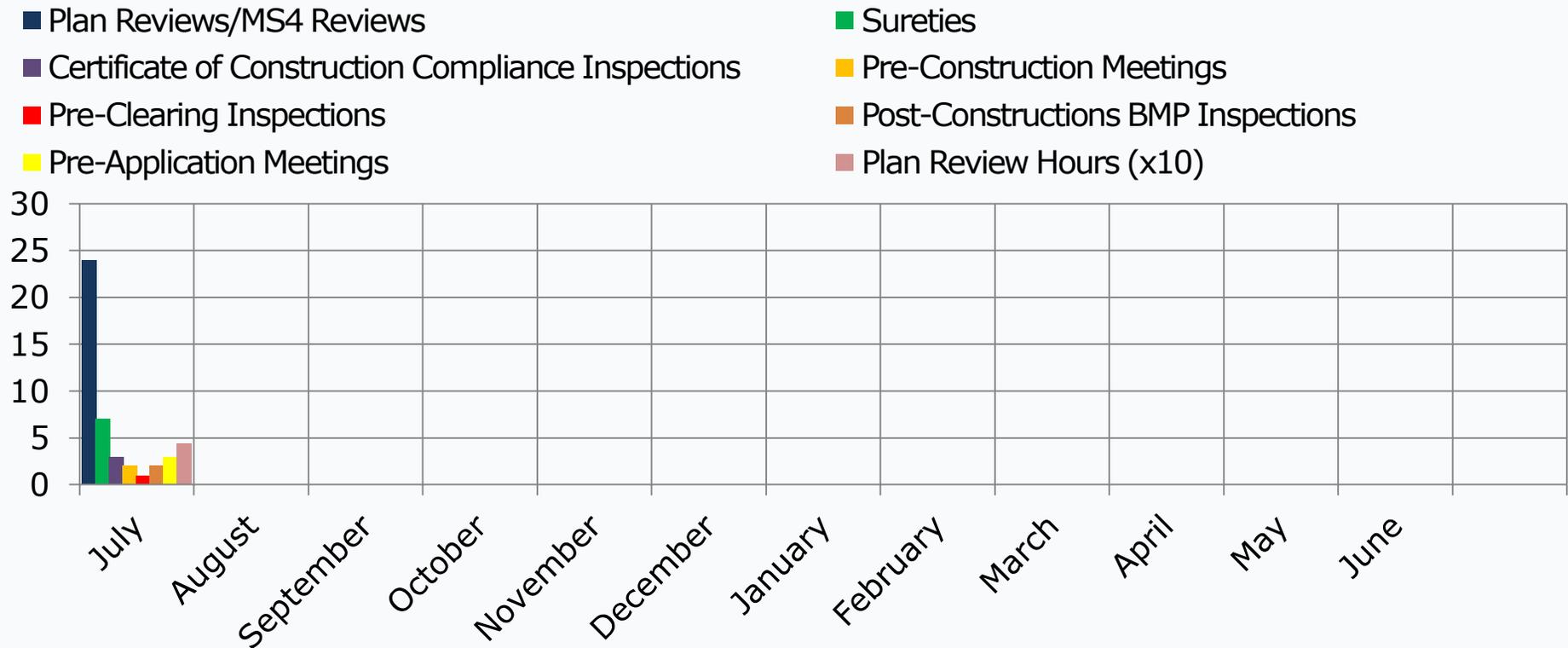
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of NOV Enforcement Actions	Number of Meetings
FY 2022 YTD Totals	5	4	0	7
FY 2021 Totals	36	11	1	29
FY 2020 Totals	45	8	6	49
FY 2019 Totals	38	3	1	61

## MS4 Minimum Control Measure #4 - Construction Site Stormwater Runoff Control



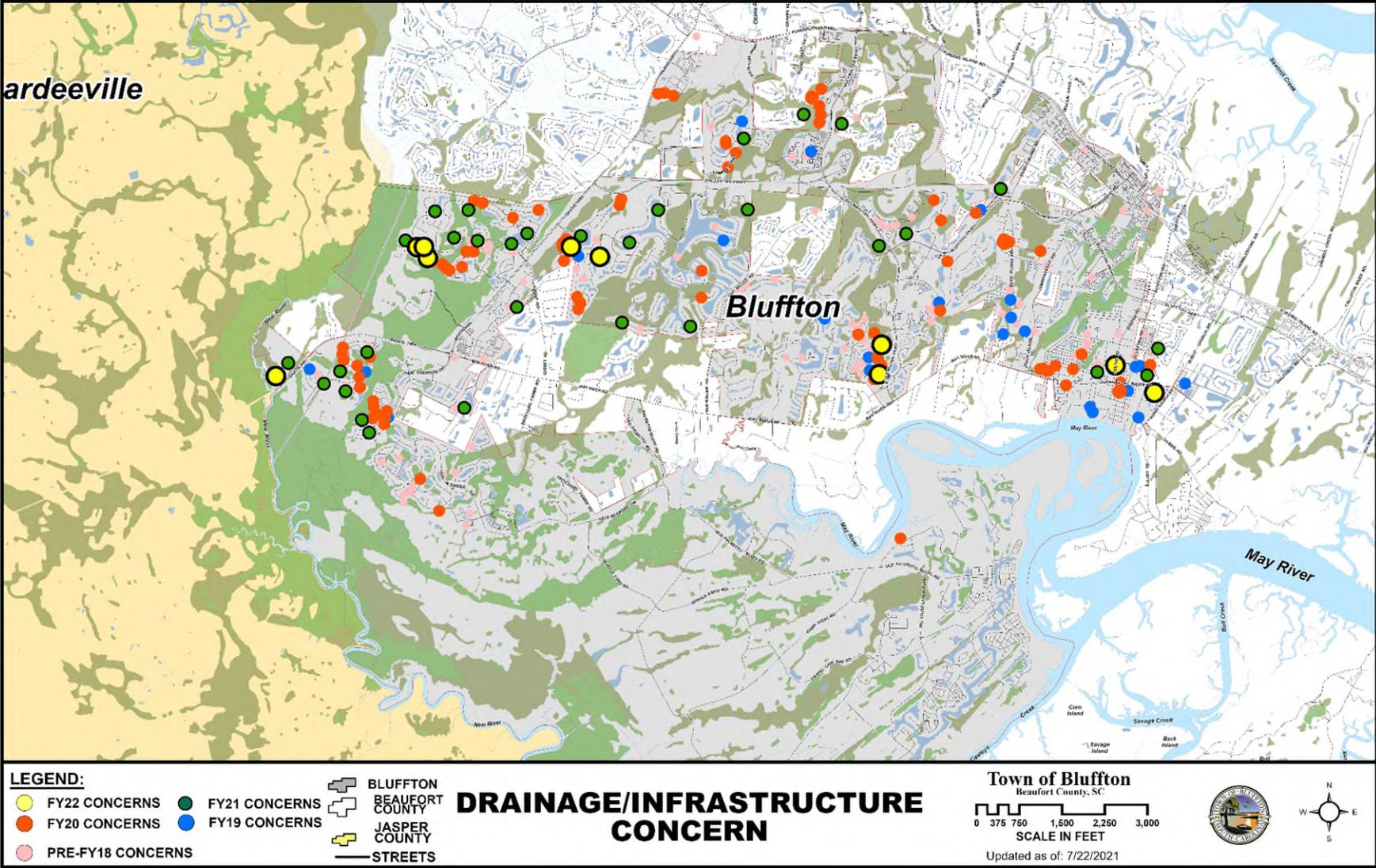
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOVs Issued	Number of SWO Issued	Number of NOV Enforcement Actions	Number of E&SC Meetings
FY 2022 YTD Totals	250	196	50	4	3	47
FY 2021 Totals	1,805	1,527	267	32	36	413
FY 2020 Totals	1,517	1187	185	16	9	496

## MS4 Minimum Control Measure #5 Stormwater Plan Review & Related Activity



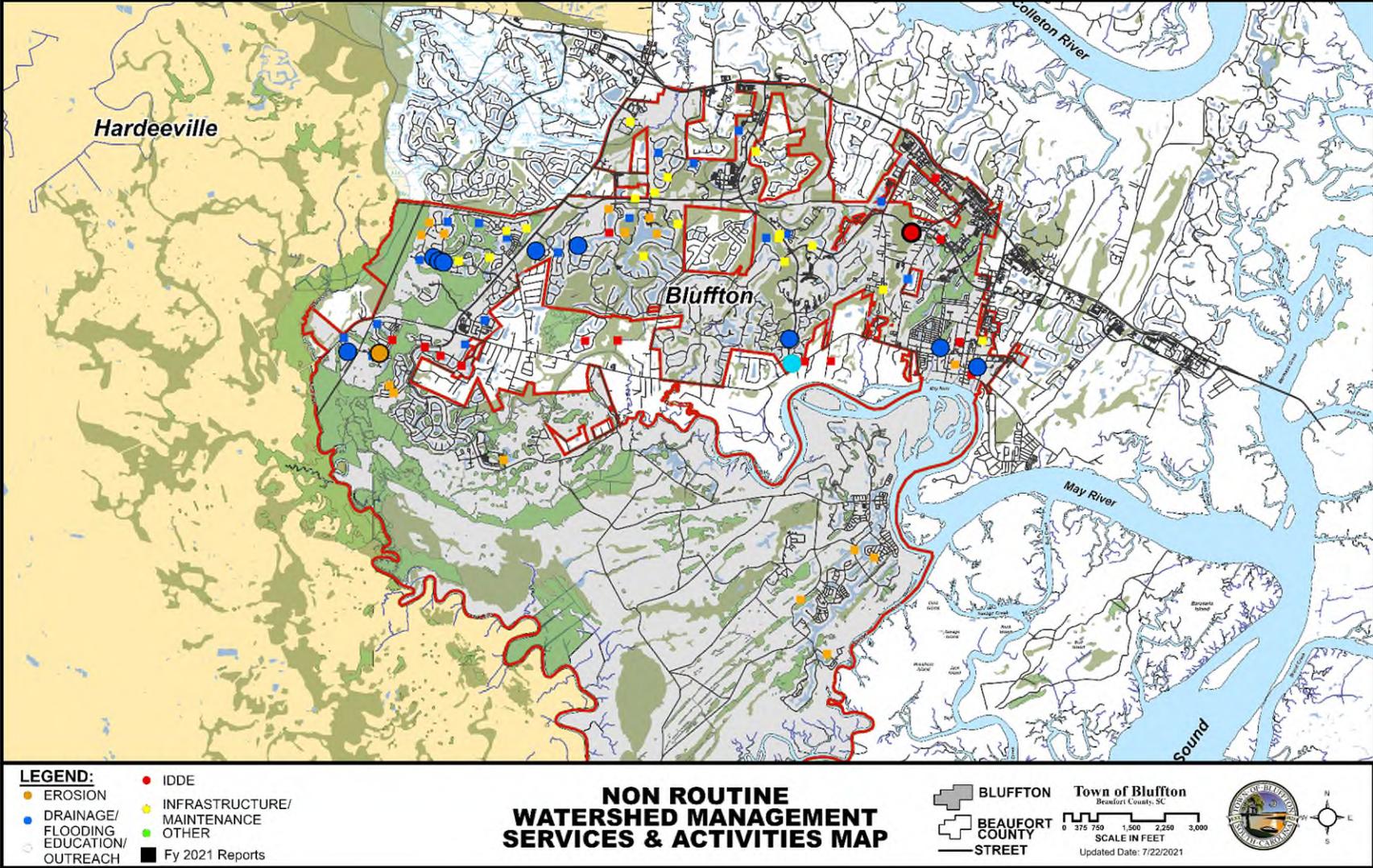
	Plan Reviews MS4 Reviews	Sureties	Certificate of Construction Compliance Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2022 YTD Totals	24	4	3	2	1	2	2	96 Hrs.
FY 2021 Totals	186	61	55	24	24	22	41	789 Hrs.
FY 2020 Totals	176	53	46	36	17	8	36	1,040 Hrs.

# Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2022 YTD Totals	9	11
FY 2021 Totals	45	39
FY 2020 Totals	68	76

# Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2022 YTD Totals	10	12
FY 2021 Totals	46	36
FY 2020 Totals	99	102

## RENTAL AND SPECIAL EVENTS ACTIVITY REPORT

<b>MONTHLY ACTIVITY 2021</b>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>YTD TOTALS</u>
Wright Family Park Rentals	N/A	N/A	N/A	N/A	N/A	N/A	0						
Oyster Factory Park Rentals	1	1	7	3	4	9	5						30
Oyster Factory Park Special Events	1	1	0	3	5	1	4						15
Martin Family Park Rentals	0	0	0	1	1	0	0						2
Martin Family Park Special Events	0	0	0	0	4	6	8						18
Green Street Special Events	3	4	5	6	4	4	6						32
Buckwalter Place Park Rentals	0	0	1	0	0	0	1						2
Buckwalter Place Park Special Events	0	1	1	0	2	1	0						5
Field of Dreams Rentals Oscar Frazier Park	0	0	0	0	0	1	0						1
Field of Dreams Special Events Oscar Frazier Park	0	0	0	0	0	0	0						0
Rotary Community Center Rentals	1	4	2	7	10	12	14						50
Rotary Community Center Special Events	0	0	0	0	2	0	0						2
Rotary Community Center Showings	3	5	4	5	6	8	3						34
MONTHLY TOTALS	9	16	20	25	38	42	41	0	0	0	0	0	

**Public Works Activities Report  
FY 2021**

<b>Week</b>	<b># of Activities</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Other Cost</b>	<b>Total</b>
FY21WK1	61	\$4,397.00	\$3,188.00		\$7,584.00
FY21WK2	56	\$5,474.00	\$3,574.00	\$121.00	\$9,168.00
FY21WK3	48	\$4,880.00	\$3,502.00		\$8,382.00
FY21WK4	62	\$5,828.00	\$3,970.00		\$9,799.00
FY21WK5	45	\$4,706.00	\$3,575.00		\$8,281.00
FY21WK6	54	\$5,645.00	\$3,114.00		\$9,126.00
FY21WK7	60	\$4,855.00	\$4,232.00		\$9,087.00
FY21WK8	67	\$5,118.00	\$4,221.00		\$9,339.00
FY21WK9	50	\$5,784.00	\$3,923.00		\$9,707.00
FY21WK10	54	\$6,131.00	\$4,248.00	\$21.00	\$10,400.00
FY21WK11	41	\$4,677.00	\$2,740.00		\$7,417.00
FY21WK12	70	\$5,580.00	\$2,587.00	\$326.00	\$8,494.00
FY21WK13	94	\$5,864.00	\$5,084.00		\$10,949.00
FY21WK14	49	\$6,171.00	\$4,261.00		\$10,431.00
FY21WK15	53	\$5,870.00	\$4,059.00		\$9,929.00
FY21WK16	62	\$5,239.00	\$3,531.00		\$8,771.00
FY21WK17	77	\$4,660.00	\$3,769.00	\$364.00	\$8,792.00
FY21WK18	45	\$4,679.00	\$3,417.00		\$8,096.00
FY21WK19	62	\$6,186.00	\$7,048.00		\$13,234.00
FY21WK20	41	\$4,135.00	\$2,633.00		\$6,768.00
FY21WK21	51	\$5,446.00	\$3,073.00		\$8,519.00
FY21WK22	39	\$3,229.00	\$3,599.00		\$6,828.00
FY21WK23	51	\$5,072.00	\$3,014.00		\$8,085.00
FY21WK24	76	\$6,073.00	\$5,257.00		\$11,329.00
FY21WK25	56	\$4,245.00	\$2,976.00		\$7,221.00
FY21WK26	38	\$1,890.00	\$1,936.00		\$3,826.00
FY21WK27	50	\$4,417.00	\$4,060.00		\$8,477.00
FY21WK28	69	\$5,753.00	\$4,185.00		\$9,938.00
FY21WK29	36	\$4,703.00	\$6,365.00		\$11,069.00
FY21WK30	69	\$5,100.00	\$4,540.00		\$9,640.00
FY21WK31	62	\$5,581.00	\$3,627.00		\$9,208.00
FY21WK32	89	\$5,648.00	\$3,808.00		\$9,456.00
FY21WK33	67	\$4,845.00	\$3,486.00		\$8,331.00
FY21WK34	77	\$6,031.00	\$3,791.00		\$9,823.00
FY21WK35	43	\$4,417.00	\$2,184.00		\$6,601.00
FY21WK36	92	\$5,213.00	\$2,690.00		\$7,903.00
FY21WK37	96	\$5,195.00	\$3,497.00		\$8,692.00
FY21WK38	65	\$4,150.00	\$2,500.00		\$6,729.00
FY21WK39	93	\$6,224.00	\$3,443.00		\$9,666.00
FY21WK40	70	\$4,835.00	\$3,940.00		\$8,775.00
FY21WK41	62	\$5,412.00	\$3,069.00		\$8,489.00
FY21WK42	84	\$5,503.00	\$4,387.00		\$9,890.00
FY21WK43	91	\$5,484.00	\$3,507.00		\$8,991.00
FY21WK44	55	\$4,474.00	\$3,779.00		\$8,252.00
FY21WK45	96	\$6,019.00	\$4,067.00		\$10,086.00
FY21WK46	66	\$3,839.00	\$3,340.00		\$7,180.00
FY21WK47	62	\$5,159.00	\$4,853.00		\$10,012.00
FY21WK48	51	\$5,245.00	\$2,781.00		\$8,026.00
FY21WK49	51	\$4,117.00	\$3,162.00		\$8,663.00
FY21WK50	113	\$5,250.00	\$3,506.00		\$8,755.00
FY21WK51	46	\$4,712.00	\$4,324.00		\$9,035.00
FY21WK52	85	\$3,626.00	\$2,947.00		\$6,572.00
<b>Total</b>	<b>3302</b>	<b>\$262,786.00</b>	<b>\$192,369.00</b>	<b>\$832.00</b>	<b>\$457,821.00</b>

**Public Works Activities Report  
FY 2022**

<b>Week</b>	<b># of Activities</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Other Cost</b>	<b>Total</b>
<b>FY22WK1</b>	58	\$4,438.00	\$3,759.00		<b>\$8,197.00</b>
FY22WK2	95	\$3,860.00	\$2,756.00		<b>\$6,616.00</b>
FY22WK3	173	\$5,049.00	\$4,277.00		<b>\$9,327.00</b>
FY22WK4					
FY22WK5					
FY22WK6					
FY22WK7					
FY22WK8					
FY22WK9					
FY22WK10					
FY22WK11					
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FY22WK45					
FY22WK46					
FY22WK47					
FY22WK48					
FY22WK49					
FY22WK50					
FY22WK51					
FY22WK52					
<b>Total</b>	<b>326</b>	<b>\$13,347.00</b>	<b>\$10,792.00</b>	<b>\$0.00</b>	<b>\$24,140.00</b>

CALHOUN STREET STREETScape  
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	May	June	July	August	Septem	October	Novemb	Decemb	January	Februar	March	April	May	June	July	August	Septem	October	Novemb	Decemb	January	Februar	March	April	May	June	July	August	Septem	October	Novemb	De	
1	<b>CALHOUN STREET STREETScape</b>	661 days	Mon 5/18/20	Mon 11/28/22	◆																																
2	Planning and Conceptual Design	80 days	Mon 5/18/20	Fri 9/4/20	◆																																
7	Final Planning and Construction Documents	415 days	Mon 9/7/20	Fri 4/8/22	◆																																
29	Permitting Phase (Phase 1)	75 days	Mon 12/6/21	Fri 3/18/22	◆																																
34	Easements and Land Acquisition (Phase 1)	256 days	Mon 12/6/21	Mon 11/28/22	◆																																

Project: 00042	Milestone ◆	Task	◆	Planning and Conceptual Design	◆	Permitting	◆	Easements and Land Acquisitions	◆	Construction
Date: Thu 6/10/21	Critical Task ★	Project Duration	◆	Final Design and Construction Documents	◆	Bidding and Contract	◆		◆	

BUCK ISLAND-SIMMONSVILLE SANITARY SEWER PHASE 5 A-D

ID	Task Name	Duration	Start	Finish	Timeline																																												
					Half 1, 2017					Half 2, 2017					Half 1, 2018					Half 2, 2018					Half 1, 2019					Half 2, 2019					Half 1, 2020					Half 2, 2020					Half 1, 2021				
N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D																																																	
1	<b>PHASE 5 A-D</b>	<b>1238 days?</b>	<b>Thu 12/1/16</b>	<b>Mon 8/30/21</b>	◆																																												
2	<b>Planning and Conceptual Design</b>	<b>6 days</b>	<b>Thu 12/1/16</b>	<b>Thu 12/8/16</b>	◆																																												
4	<b>Permitting</b>	<b>474 days</b>	<b>Fri 12/9/16</b>	<b>Wed 10/3/18</b>	◆																																												
11	<b>Easements and Land Acquisition</b>	<b>642 days</b>	<b>Mon 4/3/17</b>	<b>Tue 9/17/19</b>	◆																																												
16	<b>Bidding and Contracts</b>	<b>50 days</b>	<b>Wed 1/1/20</b>	<b>Tue 3/10/20</b>	◆																																												
21	<b>Construction</b>	<b>246 days</b>	<b>Mon 9/21/20</b>	<b>Mon 8/30/21</b>	◆																																												
29																																																	
30																																																	

Project: 00044 Date: Fri 6/25/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Bidding and Contract	◆		
	Task	■	Final Design and Construction Documents	◆	Easements and Land Acquisitions	◆		

HISTORIC DISTRICT STREETScape AND DRAINAGE IMPROVEMENTS PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	Traffic Calming Study and AME Church Rain Garden	262 days	Mon 11/16/20	Tue 11/16/21	
10	Permitting	10 days	Mon 5/24/21	Fri 6/4/21	
12	Easements and Land Acquisition	10 days	Thu 4/15/21	Wed 4/28/21	
7	Final Design and Construction Documents	133 days	Mon 12/28/20	Wed 6/30/21	
15	Bidding and Contracts	39 days	Thu 7/1/21	Tue 8/24/21	
2	Planning and Conceptual Design	163 days	Mon 11/16/20	Wed 6/30/21	
20	Construction	60 days	Wed 8/25/21	Tue 11/16/21	

Project: 00050 Date: Fri 6/25/21	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
	Critical Task	★	Planing and Conceptual Design		Easements and Land Acquisitions			
	Task		Final Design and Construction Documents		Bidding and Contracts			



**GOETHE-SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2  
PROPOSED SCHEDULE**

ID	Task Name	Duration	Start	Finish	2018		Half 2, 2018			Half 1, 2019			Half 2, 2019			Half 1, 2020			Half 2, 2020			Half 1, 2021			Half 2, 2021			Half 1, 2022				
					Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep
1	<b>GOETHE/SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2</b>	878 days	Mon 4/30/18	Wed 9/8/21																												
2	<b>PLANNING AND CONCEPTUAL DESIGN</b>	326 days	Mon 4/30/18	Mon 7/29/19																												
12	<b>FINAL DESIGN AND CONSTRUCTION DOCUMENTS</b>	209 days	Tue 7/30/19	Fri 5/15/20																												
21	<b>PERMITTING</b>	128 days	Mon 5/18/20	Wed 11/11/20																												
25	<b>EASEMENTS AND LAND ACQUISITION</b>	187 days	Mon 4/6/20	Tue 12/22/20																												
32	<b>BIDDING AND CONTRACTS</b>	101 days	Tue 12/1/20	Tue 4/20/21																												
37	<b>CONSTRUCTION</b>	193 days	Wed 4/21/21	Fri 1/14/22																												

Project: 00055  
Date: Fri 6/25/21

Milestone	◆	Project Duration	◆————◆	Permitting	◆————◆	Construction	◆————◆
Critical Task	★	Planning and Conceptual Design	◆————◆	Easements and Land Acquisition	◆————◆		
Task	█	Final Design and Construction Documents	◆————◆	Bidding and Contracts	◆————◆		





BOUNDARY STREET LIGHTING

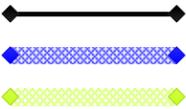
ID	Task Name	Duration	Start	Finish	Timeline
1	<b>BOUNDARY STREET LIGHTING PHASE 2</b>	<b>587 days</b>	<b>Mon 7/8/19</b>	<b>Tue 10/5/21</b>	
2	<b>Planning and Conceptual Design</b>	<b>445 days</b>	<b>Mon 7/8/19</b>	<b>Fri 3/19/21</b>	
13	<b>Permitting</b>	<b>90 days</b>	<b>Mon 1/20/20</b>	<b>Fri 5/22/20</b>	
15	<b>Easements and Land Acquisition</b>	<b>240 days</b>	<b>Mon 10/5/20</b>	<b>Fri 9/3/21</b>	
18	<b>Construction</b>	<b>22 days</b>	<b>Mon 9/6/21</b>	<b>Tue 10/5/21</b>	

Project: 00069  
Date: Fri 6/25/21

Milestone  
Critical Task  
Task



Project Duration  
Planning and Conceptual Design  
Final Design and Construction Documents



Permitting  
Easements and Land Acquisition  
Bidding and Contract



Construction





HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 3  
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022							
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	<b>PHASE 3</b>	<b>404 days</b>	<b>Mon 11/2/20</b>	<b>Thu 5/19/22</b>																				
2	<b>Planning and Conceptual Design</b>	<b>136 days</b>	<b>Mon 11/2/20</b>	<b>Mon 5/10/21</b>																				
9	<b>Final Design and Construction Documents</b>	<b>90 days</b>	<b>Tue 5/11/21</b>	<b>Mon 9/13/21</b>																				
11	<b>Permitting</b>	<b>40 days</b>	<b>Tue 9/14/21</b>	<b>Mon 11/8/21</b>																				
14	<b>Easements and Land Acquisition</b>	<b>105 days</b>	<b>Tue 5/4/21</b>	<b>Mon 9/27/21</b>																				
17	<b>Bidding and Contracts</b>	<b>46 days</b>	<b>Tue 11/9/21</b>	<b>Tue 1/11/22</b>																				
22	<b>Construction</b>	<b>92 days</b>	<b>Wed 1/12/22</b>	<b>Thu 5/19/22</b>																				

Project: 00072  
Date: Fri 6/25/21

Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
Critical Task	★	Planing and Conceptual Design		Easements and Land Acquisitions			
Task		Final Design and Construction Documents		Bidding and Contracts			

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 4  
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022											
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
1	<b>PHASE 4</b>	<b>424 days</b>	<b>Mon 11/2/20</b>	<b>Thu 6/16/22</b>																								
2	<b>Planning and Conceptual Design</b>	<b>156 days</b>	<b>Mon 11/2/20</b>	<b>Mon 6/7/21</b>																								
9	<b>Final Design and Construction Documents</b>	<b>90 days</b>	<b>Tue 6/8/21</b>	<b>Mon 10/11/21</b>																								
11	<b>Permitting</b>	<b>40 days</b>	<b>Tue 10/12/21</b>	<b>Mon 12/6/21</b>																								
14	<b>Easements and Land Acquisition</b>	<b>105 days</b>	<b>Tue 6/1/21</b>	<b>Mon 10/25/21</b>																								
17	<b>Bidding and Contracts</b>	<b>46 days</b>	<b>Tue 12/7/21</b>	<b>Tue 2/8/22</b>																								
22	<b>Construction</b>	<b>92 days</b>	<b>Wed 2/9/22</b>	<b>Thu 6/16/22</b>																								

Project: 00073  
Date: Fri 6/25/21

Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
Critical Task	★	Planing and Conceptual Design		Easements and Land Acquisitions			
Task		Final Design and Construction Documents		Bidding and Contracts			

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 5  
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022				
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
1	<b>PHASE 5</b>	<b>424 days</b>	<b>Mon 11/2/20</b>	<b>Thu 6/16/22</b>	◆																
2	<b>Planning and Conceptual Design</b>	<b>156 days</b>	<b>Mon 11/2/20</b>	<b>Mon 6/7/21</b>	◆																
9	<b>Final Design and Construction Documents</b>	<b>90 days</b>	<b>Tue 6/8/21</b>	<b>Mon 10/11/21</b>	◆																
11	<b>Permitting</b>	<b>40 days</b>	<b>Tue 10/12/21</b>	<b>Mon 12/6/21</b>	◆																
14	<b>Easements and Land Acquisition</b>	<b>105 days</b>	<b>Tue 6/1/21</b>	<b>Mon 10/25/21</b>	◆																
17	<b>Bidding and Contracts</b>	<b>46 days</b>	<b>Tue 12/7/21</b>	<b>Tue 2/8/22</b>	◆																
22	<b>Construction</b>	<b>92 days</b>	<b>Wed 2/9/22</b>	<b>Thu 6/16/22</b>	◆																

Project: 00074 Date: Fri 6/25/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 6  
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022				
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
1	<b>PHASE 6</b>	<b>424 days</b>	<b>Mon 11/2/20</b>	<b>Thu 6/16/22</b>	◆																
2	<b>Planning and Conceptual Design</b>	<b>156 days</b>	<b>Mon 11/2/20</b>	<b>Mon 6/7/21</b>	◆																
9	<b>Final Design and Construction Documents</b>	<b>90 days</b>	<b>Tue 6/8/21</b>	<b>Mon 10/11/21</b>	◆																
11	<b>Permitting</b>	<b>40 days</b>	<b>Tue 10/12/21</b>	<b>Mon 12/6/21</b>	◆																
14	<b>Easements and Land Acquisition</b>	<b>105 days</b>	<b>Tue 6/1/21</b>	<b>Mon 10/25/21</b>	◆																
17	<b>Bidding and Contracts</b>	<b>46 days</b>	<b>Tue 12/7/21</b>	<b>Tue 2/8/22</b>	◆																
22	<b>Construction</b>	<b>92 days</b>	<b>Wed 2/9/22</b>	<b>Thu 6/16/22</b>	◆																

Project: 00075 Date: Fri 6/25/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

BRIDGE STREET STREETScape  
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	<b>BRIDGE STREET STREETScape</b>	<b>566 days</b>	<b>Mon 9/2/19</b>	<b>Mon 11/1/21</b>	
2	<b>Planning and Conceptual Design</b>	<b>233 days</b>	<b>Mon 9/2/19</b>	<b>Wed 7/22/20</b>	
17	<b>Final Design</b>	<b>208 days</b>	<b>Wed 7/22/20</b>	<b>Fri 5/7/21</b>	
22	<b>Permitting</b>	<b>100 days</b>	<b>Mon 5/10/21</b>	<b>Fri 9/24/21</b>	
27	<b>Easements and Land Acquisition</b>	<b>126 days</b>	<b>Mon 5/10/21</b>	<b>Mon 11/1/21</b>	
37	<b>Construction - TBD</b>				

Project: 00082 Date: Fri 4/23/21	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			



NEW RIVER TRAIL  
PROPOSED SCHEDULE

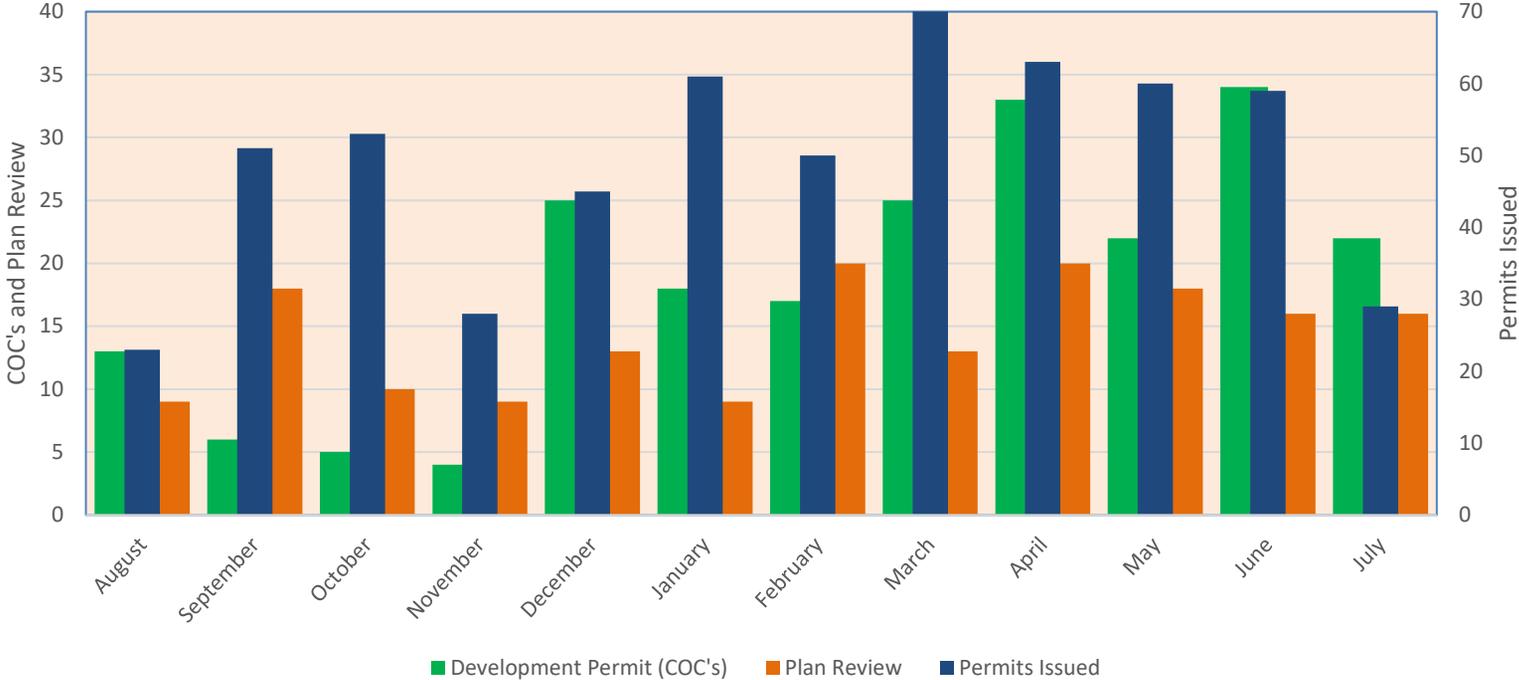
ID	Task Name	Duration	Start	Finish	July	August	September	October	November	December	January	February	March	April	May	June
					B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E	B   M   E
1	<b>NEW RIVER TRAIL</b>	249 days	Mon 7/5/21	Thu 6/16/22	◆—————◆											
2	<b>Planning</b>	617 days	Mon 7/5/21	Tue 11/14/23	◆—————◆											
15	<b>Final Planning and Construction Documents</b>	80 days	Mon 11/8/21	Fri 2/25/22	◆—————◆											
25	<b>Permitting</b>	93 days	Wed 11/17/21	Fri 3/25/22	◆—————◆											
30	<b>Bidding and Contracts</b>	52 days	Mon 4/4/22	Tue 6/14/22	◆—————◆											

Project 00092 Fri 7/23/21	Milestone	◆	Project Duration	◆—————◆	Permitting	◆—————◆	Construction	◆—————◆
	Critical Task	★	Planning and Conceptual Design	◆—————◆	Easements and Land Acquisition	◆—————◆		
	Task	■	Final Design and Construction Documents	◆—————◆	Bidding and Contracts	◆—————◆		



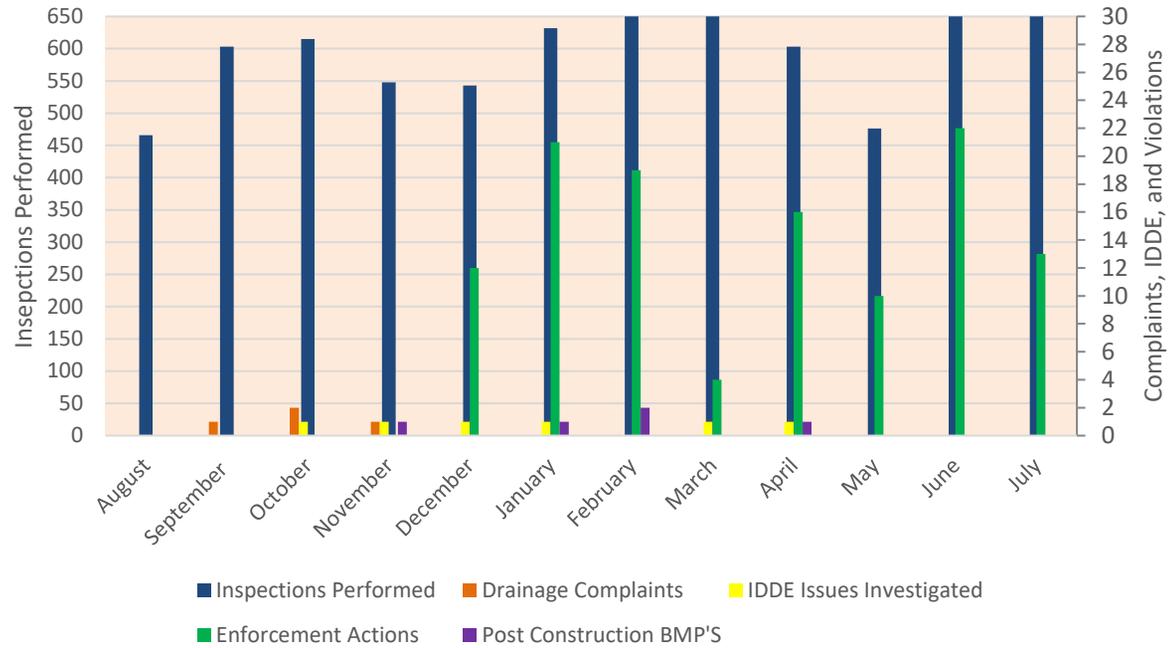


### MS4 Minimum Control Measure #5 Stormwater Plan Review



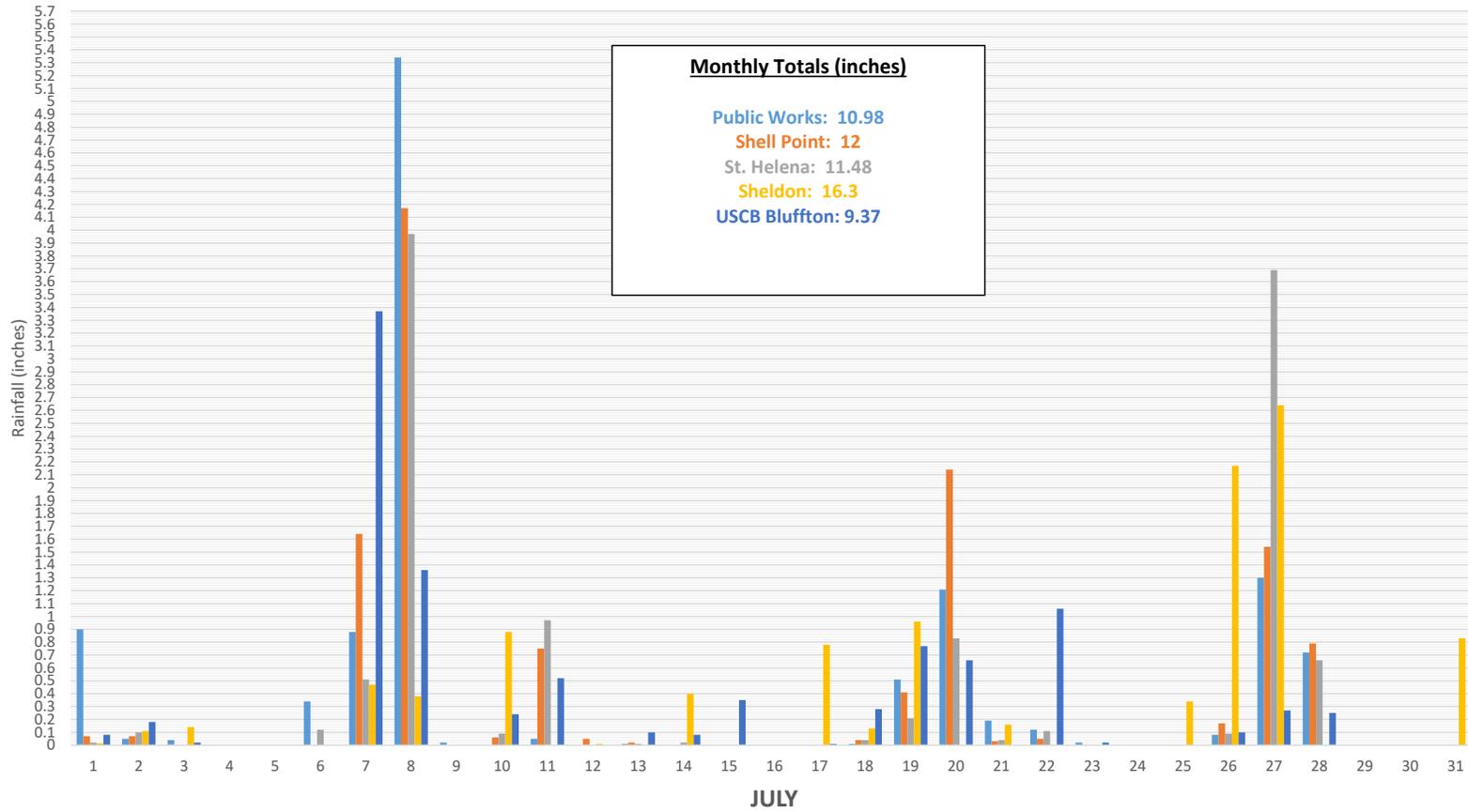
TYPE	August	September	October	November	December	January	February	March	April	May	June	July	Last 12 Months
Development Permit (COC's)	13	6	5	4	25	18	17	25	33	22	34	22	224
Plan Review	9	18	10	9	13	9	20	13	20	18	16	16	171
Permits Issued	23	51	53	28	45	61	50	75	63	60	59	29	597

### MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	August	September	October	November	December	January	February	March	April	May	June	July	Last 12 Months
Inspections Performed	466	603	615	548	543	632	724	794	603	476	743	662	7409
Drainage Complaints	0	1	2	1	0	0	0	0	0	0	0	0	4
IDDE Issues Investigated	0	0	1	1	1	1	0	1	1	0	0	0	6
Enforcement Actions	0	0	0	0	12	21	19	4	16	10	22	13	117
Post Construction BMP'S	-	-	-	1	0	1	2	0	1	0	0	0	9

## Beaufort County Weather Stations Daily Rainfall Amounts - JULY 2021



**Lowcountry Stormwater Partners (LSP) Monthly Report**  
**6/1/21 – 8/01/21**

**Completed Stormwater Outreach/Involvement Activities:**

- That's MY Truck Coloring Contest
  - Concluded 6/1/21, 279, mail-in
- LSP Consortium Meeting
  - 6/8/21, 15, online
- Healthy Pond Series: The Ups and Downs of Dredging
  - 6/10/21, 60, online, [flyer](#), [registration](#)
- Be Septic Safe Webinar
  - 6/17/21, online, 24
- Flooding 411 Webinar Series: Water in Our Landscape, Constant Change
  - 7/14/21, 160, online, numbers of recoding viewings still being calculated
- Flooding 411 Webinar Series: Who's Who for Flood Management and Recovery
  - 7/21/21, 128, online numbers of recoding viewings still being calculated
- Flooding 411 Webinar Series: Reducing Flood Impacts to Your Property and Community
  - 7/28/21, online, 113, numbers of recoding viewings still being calculated
- Adopt-A-Stream Saltwater Volunteer Training
  - 7/30/21, in person, 17
- LSP Changing Tides Newsletter
  - 8/03/21, online, 137

**Ongoing Stormwater Outreach/Involvement Activities:**

- Rain Barrel Sale
  - Ongoing, 15 already sold, 18 left, [website](#)
- Mossy Oaks Rain Garden Workshop
  - The school district has approved the plans and I am coordinating to see how installation could be done in the fall.
- Septic System Resources
  - The sub-committee drafted four factsheets which are currently undergoing the peer-review process. They will hopefully be published on the Clemson HGIC in August.
- Creation of an HOA Direct Mailing List
  - I began creating a list of mailing addresses for existing HOAs/PUDs to send pond training announcements and an invitation to join the Big News for Small Ponds listserv.
- Direct Contacts
  - During this time frame, I helped four (4) individuals who directly contacted me. Two clients had a question about ponds, one client needed assistance with flooding, and one had a question about fish kills
  - 4, phone calls
- LSP Facebook page
  - The LSP Facebook page serves to engage and involve citizens in water-quantity and water-quality information. I also use the Facebook page to announce local, regional, and state-wide events.
  - 307 Likes

### **Planned Stormwater Outreach/Involvement Activities:**

- Flooding 411 Webinar Series: Successful Community Flood Management
  - Learn about different flood management strategies from all along the coast!
  - 8/04/21, registration closed
- LSP Consortium Meeting
  - 8/17/21
- Keep Broad Creek Clean Festival
  - Will provide enviroscape demonstration, educational handouts, and LSP merchandise
  - 8/18/21, in person
- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 8/19/19, online
- Adopt-A-Stream Saltwater Volunteer Training
  - South Carolina Adopt-a-Stream (SC AAS) creates a network of watershed stewardship, engagement, and education through involvement. SC AAS volunteers can play an important role in monitoring and tracking water quality while sharing information about local water resources with their communities.
  - 8/20/21, in person
- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 9/14/20, online
- Buffer Workshop
  - Details TBD
- OktoPRFest
  - Will provide enviroscape demonstration, educational handouts, and LSP merchandise
  - 9/25/21, in person
- Shrimp Fest
  - Will provide enviroscape demonstration, educational handouts, and LSP merchandise
  - 10/02/21, in person
- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 10/14/21, online
- 2021 Beaufort Area Stormwater Pond Conference
  - 10/26-28/21, hybrid
- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 11/14/21, online
- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 12/14/21, online

**Other Activities for Strategic Plan Compliance:**

- Pet Waste Station Map
- Small grants program
- Septic media campaign
- Soil sample post cards and placards for retailers
- Soil sample bag distribution
- Promotional seed packet
- Native plant distributor list
- Native plant signage
- Construction Site Social Media Campaign
- LID Lunch-and-Learns
- BMP workshop for homeowners
- BMP survey

**Completed Strategic Plan Items:**

- Pond Workshop
- Pond training listserv and direct mailer list
- Pet waste mass media campaign
- 2019 Beaufort Area Stormwater Pond Conference
- Master Pond Manager
- Pond mass media campaign
- Pond management website
- Soil sample trainings (satisfied by Cultivating a Carolina Yards workshops)
- Soil sample bags at festivals, nurseries, farmer's markets, and Master Gardener events
- Construction site trainings for contractors (satisfied by CEPSCI courses)
- LID factsheets
- LID training for design professionals (will be satisfied when DNR's Coastal Training Program reschedules to LID Manual Training)
- LID signs
- BMP workshops for homeowners (satisfied by Cultivating a Carolina Yards workshops, rain garden presentations, and Being a Neighbor for Clean Water Webinar Series)
- Master Rain Gardener
- Step-stake sign for rain gardens
- Rain Garden Rack Card
- Pond Rack Card
- Buffer Packets
- Contractor trainings



## MEMORANDUM

Date: July 27, 2021

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover no major projects and three minor projects. The Project Summary Reports are attached.

### **Major Project:**

- None.

### **Minor or Routine Projects:**

- **Graves Road – Bluffton (SWUD 4):** This project improved 746 feet of drainage system. The scope of work included cleaning out 647 feet of roadside ditch and installed (1) driveway pipe and replaced (1) driveway pipe. Also, jetted (6) driveway pipes. The total cost was **\$12,650.51**.
- **George Williams Lane Channel #1 - Sheldon (SWUD 5):** This project improved 353 feet of drainage system. The scope of work included cleaning out 350 feet of channel. Also, jetted (2) crossline pipes. The total cost was **1,319.01**.
- **Telfair Subdivision – Purrysburgh Drive – Lady’s Island (SWUD 7):** This project improved 528 feet of drainage system. The scope of work included cleaning out 5238 feet of roadside ditch. Also, jetted (7) driveway pipes and (1) crossline pipe. The total cost was **\$3,756.57**.



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
Project Summary

**Project Summary:** Graves Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 02/18/20 - 03/02/2021

**Narrative Description of Project:**

This project improved 746 L.F. of drainage system. Cleaned out 746 L.F. of roadside ditch. Installed (1) driveway pipe and replaced (1) driveway pipe. Jetted (6) driveway pipes.

<b>2021-532 / Graves Road</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
DPJT / Driveway Pipe - Jetted	68.0	\$1422.04	\$611.25	\$899.66	\$0.00	\$555.84	\$3488.79
DPRPL / Driveway Pipe - Replaced	40.0	\$810.64	\$197.88	\$2443.06	\$0.00	\$407.04	\$3,858.62
HAUL / Hauling	56.0	\$1250.96	\$1067.36	\$239.53	\$0.00	\$346.08	\$2903.93
RSDCL / Roadside Ditch - Cleanout	64.0	\$1284.32	\$289.49	\$114.42	\$0.00	\$602.40	\$2,290.63
UTLOC / Utility locates	2.0	\$49.40	\$0.00	\$0.00	\$0.00	\$26.46	\$75.86
2021-532 / Graves Road Project Sub Total	231.5	\$4,850.05	\$2165.98	\$3696.66	\$0.00	\$1,937.82	\$12,650.51
<b>Grand Total</b>	<b>231.5</b>	<b>\$4,850.05</b>	<b>\$2,165.98</b>	<b>\$3,696.66</b>	<b>\$0.00</b>	<b>\$1,937.82</b>	<b>\$12,650.51</b>

**(No Pictures Available )**



Project: Graves Road Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2021-532

Township/SW Dist: Bluffton/4

Completed: March 2021

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 160 320 640 960 1,280 Feet

1 inch = 670 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/29/21

File: C:\project summaries map\Graves Road Map #1\_2021-532



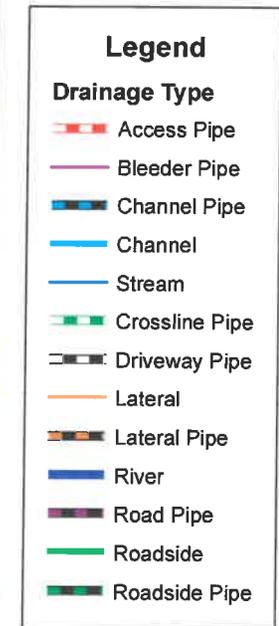
Project: Graves Road Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2021-532

Township/SW Dist: Bluffton/4

Completed: March 2021



0 100 200 400 600 800 Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/29/21

File: C:\project summaries map\Graves Road Map #2\_2021-532



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** George Williams Lane Channel #1

**Activity:** Routine/Preventive Maintenance

**Duration:** 02/17/21 - 03/04/21

**Narrative Description of Project:**

This project improved 353 L.F. of drainage system. Cleaned out 353 L.F. of channel. Jetted (2) crossline pipes.

**2021-531 / George Williams Lane Channel #1**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.0	\$21.79	\$0.00	\$0.00	\$0.00	\$0.00	\$21.79
CCO / Channel - cleaned out	24.0	\$512.96	\$84.96	\$24.00	\$0.00	\$105.84	\$727.76
CLPJT / Crossline Pipe - Jetted	6.0	\$131.22	\$26.06	\$23.56	\$0.00	\$24.42	\$205.26
HAUL / Hauling	8.0	\$174.32	\$152.48	\$37.40	\$0.00	\$0.00	\$364.20
2021-531 / George Williams Lane Channel #1 Project Sub Total	39.0	\$840.29	\$263.50	\$84.96	\$0.00	\$130.26	\$1,319.01
<b>Grand Total</b>	<b>39.0</b>	<b>\$840.29</b>	<b>\$263.50</b>	<b>\$84.96</b>	<b>\$0.00</b>	<b>\$130.26</b>	<b>\$1,319.01</b>

**(Before)**

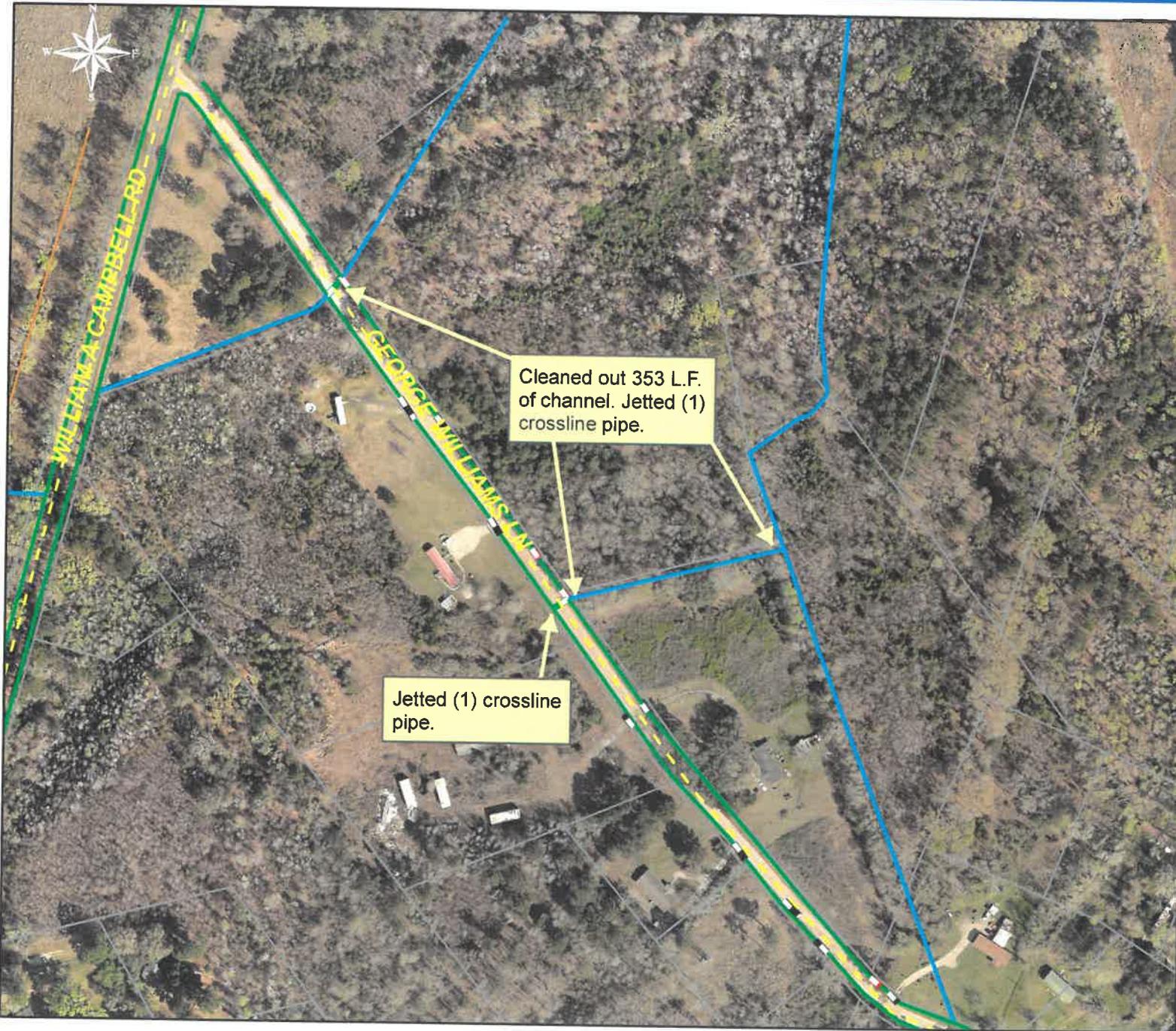


**(During)**



**(Ending)**





Project: George Williams Lane Channel #1

Activity: Routine/ Preventive Maintenance

Project #: 2021-531

Township/SW Dist: Sheldon/5

Completed: March 2021

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 50 100 200 300 400 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/16/21

File: C:\project summaries map\George Williams Lane Channel #1\_2021-531



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Telfair Subdivision - Purrysburg Drive

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/20/20 - 03/01/21

**Narrative Description of Project:**

This project improved 528 L.F. of drainage system. Cleaned out 528 L.F. of roadside ditch. Jetted (7) driveway pipes and (1) crossline pipe.

**2021-500 / Telfair Subdivision Purrysburg Drive**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
DPJT / Driveway Pipe - Jetted	55.0	\$1,269.37	\$624.15	\$175.84	\$0.00	\$345.87	\$2,415.23
HAUL / Hauling	8.0	\$174.32	\$152.48	\$63.80	\$0.00	\$0.00	\$390.60
RSDCL / Roadside Ditch - Cleanout	24.0	\$512.96	\$135.12	\$50.34	\$0.00	\$105.84	\$804.26
UTLOC / Utility locates	3.0	\$74.10	\$0.00	\$0.00	\$0.00	\$39.69	\$113.79
2021-500 / Telfair Subdivision Purrysburg Drive Project Sub Total	91.5	\$2,063.44	\$911.75	\$289.98	\$0.00	\$491.40	\$3,756.57
<b>Grand Total</b>	<b>91.5</b>	<b>\$2,063.44</b>	<b>\$911.75</b>	<b>\$289.98</b>	<b>\$0.00</b>	<b>\$491.40</b>	<b>\$3,756.57</b>

**(Before)**



**(During)**



**(Ending)**

**(No Picture Available)**



Project: Telfair Subdivision - Purrysburg Drive

Activity: Routine/ Preventive Maintenance

Project #: 2021-500

Township/SW Dist: Lady's Island/7

Completed: March 2021

Legend	
Drainage Type	
	Access Pipe
	Bleeder Pipe
	Channel Pipe
	Channel
	Stream
	Crossline Pipe
	Driveway Pipe
	Lateral
	Lateral Pipe
	River
	Road Pipe
	Roadside
	Roadside Pipe

0 40 80 160 240 320 Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 05/03/21

File: C:\project summaries map\Telfair Subdivision- Purrysburg Drive\_2021-500



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD  
AGENDA Wednesday, October 13<sup>th</sup>, 2021  
2:00 p.m.  
Executive Conference Room, Administration Building  
Beaufort County Government Robert Smalls Complex  
100 Ribaut Road, Beaufort, South Carolina  
843.255.2805

In accordance with South Carolina Code of Laws, 1976, as amended, Section 30-4-80(d), all local media was duly notified of the time, date, place and agenda of this meeting.

1. CALL TO ORDER – 2:00 p.m.
  - A. Approval of Agenda
  - B. Approval of Minutes – August 11th, 2021 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
  - A. Utility Update – Katie Herrera ([backup](#))
  - B. Monitoring Update – Katie Herrera ([backup](#))
  - C. Stormwater Implementation Committee Report – Katie Herrera ([backup](#))
  - D. Stormwater Related Projects – Katie Herrera ([backup](#))
  - E. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
  - F. Regional Coordination – Katie Herrera ([backup](#))
  - G. Municipal Reports – Katie Herrera ([backup](#))
  - H. MS4 Update – Katie Herrera ([backup](#))
  - I. Maintenance Projects Report – Matthew Rausch ([backup](#))
5. UNFINISHED BUSINESS
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
  - A. Wednesday, November 10th, 2021 ([backup](#))
9. ADJOURNMENT