



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, October 13th, 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 – Julianna Corbin ([backup](#))
 - E. Upcoming Professional Contracts Report – Julianna Corbin ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera ([backup](#))
 - I. Staff Update – Katie Herrera ([backup](#))
 - J. Maintenance Projects Report – Matthew Rausch ([backup](#))
 - K. Liaison Report - Ms. Alice Howard
5. UNFINISHED BUSINESS
 - A. Infrastructure Maintenance Timeline
6. NEW BUSINESS
 - A. SoLoCo Design Manual Updates
 - B. Battery Creek 319 Pond
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
 - A. Wednesday, November 10th, 2021 ([backup](#))
9. ADJOURNMENT





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

August 11th, 2021 at 2:00 p.m.

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

Board Members

Present

James Clark
Marc Feinberg
Patrick Mitchell
Steven Andrews
Brian Watkins

Absent

Allyn Schneider

Ex-Officio Members

Present

Nate Farrow

Absent

Van Willis
Kim Jones

Beaufort County Staff

Katie Herrera
Julianna Corbin

Visitors

Brian Eber, Town of Hilton Head
Alice Howard, County Council
Dr. Alan Warren

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 and the design manual has been completed. Design standards were implemented February 1, 2021. Katie discussed making amendments to the SoLoCo manual to include guidance on linear projects.
- ✓ The county continues to work on delinquent accounts for the military installations. This is

still being handled by the county's legal department. Still waiting for to schedule the presentation by Legal.

B. Monitoring Update – Katie Herrera

Highlights:

- ✓ Halfway through Mossy Oaks monitoring at both the upstream and tidal floodgates
- ✓ Monitoring biweekly in coordination with Pepper Hall monitoring at the upstream and downstream locations. Water quality improvements to be made as BMPs installed at construction sites.
- ✓ Continuing sampling of all TMDL and 303d listed streams as well.

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

Highlights:

- ✓ Last year Municipalities requested CWI report fees for FY21. Deadline to report is September 1st and being coordinated through Matt in Infrastructure.

D. Stormwater Related Projects – Katie Herrera

Highlights:

- ✓ County staff continues to work on getting easements and meets monthly to review.
- ✓ The flyover bridge project is on track to have the Notice to Proceed issued. The Preconstruction meeting was held on August 10th.
- ✓ Shell Point Community –Katie and Julianna met with Alice Howard on July 8th and on July 27th met for our task force meeting. Cranston presented their drainage study report during that time. Scheduled Community meeting on August 26th.
- ✓ Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision – Construction is complete and legal team is working on transferring ownership property.
- ✓ Factory Creek Watershed Regional Detention Basin “Phase II – Construction has been completed and legal team is coordinating property acquisition.
- ✓ Graves Property – Met with Pepper Hall development team on July 10th. Plans for the passive park were approved at the following SRT meeting on June 10th, with passive park plans approved on June 16th. Construction on pond has begun on site.
- ✓ Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No further updates at this time.
- ✓ Mr. Feinburg brought up Alljoy Community Meeting on August 3rd. Movement by residents and Councilman to have action taken by Stormwater staff. Current maintenance schedule for routine drainage is around 8 years. Areas can see a lot of change within 8 years. Should we go to council to ask to update fees. Discussed being on a more frequent maintenance schedule could alleviate some issues existing within the community. The County does respond to emergency situations in a more timely manner. Some ditches within infrastructure have been dug too deep which prevents water

from leaving the system due to elevation issues. Community wide effort will require community wide participation. Coordination efforts underway with SCDOT to collaborate on maintenance schedules. Mr. Feinburg reiterated importance of keeping Councilman Lawson informed and how important it will be for his constituents to participate in efforts as a group. Mr. Watkins asked about applying for grants yearly to get the funds to get ahead of these storm events. Funding opportunities discussed by Katie. Currently no active grant applications but intending to apply for future opportunities. The Penny tax was brought up for Pathway projects. Stormwater has done assessment on impacts from water quality and quantity from projects and impacts were minimal.

E. Professional Contracts Report – Katie Herrera

Highlights:

- ✓ Salt Creek and Shanklin Road – All necessary permits have been obtained. Beaufort County is still working with DOT. Appraisal in place. Met with Shanklin Rd property owner on July 2nd to gauge interest in project. Consulting engineer is working to address concerns
- ✓ Brewer Memorial – Contract has been signed following approval at June 28th County Council Meeting. Waiting on requisition and carry over budget approval.
- ✓ Evergreen Regional Pond 319 – Construction on going. Contractor busy digging and dewatering the site.
- ✓ Stormwater engineering consulting services – Continue working with Woolpert on scope #3, as well as scope #4 for tax run assistance.
- ✓ Katie clarified participation in projects dependent on property owner interest, we would look to take our funds elsewhere for work. South of Roseida road is interested in participating. Earlier in the week the property owner to the North also declared interest. Next step for County is to obtain appraisals on properties.

F. Regional Coordination – Katie Herrera

Highlights:

- ✓ Shell Point Community meeting August 26th and looking for participation from the board.
- ✓ Mossy Oaks monitoring continues in the area in coordination with USCB.

G. Municipal Reports – Katie Herrera

Reports attached in agenda

Highlights:

Reports information.

Town of Hilton Head Island (From Brian Eber)

- Stressed wetlands.
- Lowered all of the weirs on the island in preparation for storm season. Inlet cleaning, street sweeping, busy month.
- Implementing SEE CLICK FIX program. Web based reporting tool equivalent to Beaufort County Connect application.
- Adopt a Stream volunteer training session. A total of 17 people showed up, a second training will be held on August 20th, anticipating 12 additional trainees.

- Met with Bluffton and County staff met August 9th met about permit coordination, carpet cleaning issues.
- Success story with disposal of their FOGS – fats, oils, and grease program.
- ✓ Town of Bluffton (From Kim Jones, Watershed Management Division Director)
 - Reports Received – attached to the minutes
- ✓ City of Beaufort (From Nate Farrow, Public Works Director)
 - Working with finalizing the flap gate installation for any upcoming storm events. Johnny Morrall work to alleviate flooding issues experienced. County has provided assistance with both the Vac truck and the Camera truck.
 - IGA with the City of Beaufort and Town of Yemassee signed August 2nd.
- ✓ Town of Port Royal (From Van Willis, Town Manager)
 - No information was available at the time of this report.

H. MS4 Update – Katie Herrera

Highlights:

- ✓ Julianna will be taking over the Plan Review role for the Stormwater Department. Increase in permit issuance.
- ✓ Monthly inspections slowed slightly due to staffing efforts and Covid issues. 13 enforcement actions taken. IDDE investigations
- ✓ Rainfall Report – Significant amount of rain through the County. Within 4 months, Alljoy has seen 23 inches of rain. IDDE investigations continue to occur. Mr. Watkins asked how many people are actively enforcing and how quick response is to complaints. Currently 6 staff members available to do complaints and response time to issues is within 24 hours.
- ✓ Education Report - Ellen Sturup Comeau, Clemson Extension
 - Pond Conference upcoming.
 - Role and responsibility presentation as well as presentation on Evergreen 319 pond.
 - Keep Broad Creek Beautiful event County and Hilton Head staff will be participating.
 - Mr. Feinburg reiterated the importance of the educational events with children and how they impact the knowledge base of their parents and other adults.
 - Energov permitting software will be going live soon. Currently hosting train the trainer sessions with feedback provided to help improve the software. Katie looking forward to having a more streamlined software.
 - Mr. Feinburg asked question about MS4 program and overlap with other jurisdictions. A reduction in staffs could have a more focused MS4 approach within the County. The DHEC permit has not come out yet with new permit, but as permit

is updated, it would be a better time to discuss a more coordinated effort of MS4 responsibilities.

- Katie introduced staff updates to the meeting. Provided updates on staff accomplishments and the loss of our Administrative Assistance. Mr. Feinburg has requested employees we recognize be invited to the meetings so they may put a face with a name.

I. Maintenance Projects Report – Katie Herrera

Highlights:

- ✓ Major projects:
 - None
- ✓ Three minor or routine projects:
 - Graves Road – Bluffton (SWUD 4) – Roadside clearing. Cost \$12,650.51.
 - George Williams Lane Channel #2 – Sheldon (SWUD 5) Cost \$1,319.01.
 - Telfair Subdivision – Purrysburgh Drive – Ladys Island (SWUD 7) Cost \$3,756.57.

J. Liaison Report – Beaufort County Council - Alice Howard

Highlights:

- ✓ Ms. Howard is looking forward to participating in the Shell Point Task Force and community meetings.

5. Unfinished Business –

- ✓ Katie updated Mr. Feinburg on the existence of only one pond on the County park property for Pepper Hall. Confirmed with SRT and Engineering team. Also informed the Board there have not been received invoices yet for work to be performed, nothing to bring to the board.
- ✓ Ex-officio voting – Katie met with Ms. Howard to discuss if the Board should change ex-officio voting rights in coordination with potential redistricting of Council districts. Decision was made to keep the Board as is now. Ms. Howard said Council districts may change with public input, along with State voting. When the redistricting occurs, the Board would like legal to look into any state statues where this may be addressed or determined.
- ✓ Katie provided quick staff update and vacancies with the department.

6. No Public Comment.

7.Meeting Adjourned



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September 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 1st, 2021. At this time Staff have been working with several contractors on new requirements. Staff continues to coordinate implementation efforts internally.
 - d) 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 – November 10th
 - Cypress Wetlands Project - TBD
 - Woolpert – Jan/Feb 2022
 - 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 30th, 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 provided FY21 CWI reports on September 1st for each municipality upon the completion of the fiscal year. County will provide CWI reports to municipalities for FY2018 forward for the fees collected in early October.

Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements coming in. Drafting edits to the Extent of Service and Level of Service documents. After guidance from Council, staff will finalize edits.
2. Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Flyover bridge preventative maintenance and deferred maintenance repairs – construction complete and pending close out.
 - b) Shell Point Community – Staff actively pursuing BRIC, HMGP, and ARPA grant funding for the construction of this project. Next task force meeting is scheduled for week of October 25th and grant applications are due November 19. Cranston Engineering is in Phase II of their county contract and are preparing cost estimates for work to be done.
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) – Beaufort County Legal handling obtaining easement.
4. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – Beaufort County Legal handling obtaining easement.

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5. Graves Property / Pepper Hall Public / private partnership – Staff continue to work with engineers and legal. Roads and Infrastructure plan amendments are still being reviewed in Staff Review Team.
6. Whitehall property purchase – Construction has begun on City property.
7. 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 complete. Waiting for go ahead from County leadership to proceed with presenting to property owner.
 - b) Shanklin – Waiting for go ahead from County leadership to proceed with presenting to property owner.
 - c) Brewer Memorial – Notice to Proceed to be issued upon budget confirmation in Munis. Anticipating mid-October.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Contract has been extended until January 10, 2022 due to wet conditions, supply chain issues, and lack of labor. 319 grant performance period was subsequently requested to be extended to March 22, 2022. The contractor is in the process of finishing the excavation of the pond and installing the stormwater infrastructure.
3. Stormwater engineering consulting services – Woolpert
 - a) Scope #1 – General Services – Anything relating to Stormwater as a catch all scope. Allocated Funds – \$15,000.00.
 - b) Scope #2 – Southern Lowcountry Design Manual Training – This was completed prior to June of this year. Training set up for in house staff as well as developers in the County. Allocated funds - \$30,000.00.
 - c) Scope #3 – Comprehensive program audit. Reviewing all components of the MS4 program, CIP list, Utility, asset management, etch. Allocated funds - \$105,000.00
 - d) Scope #4 – Tax Run and Utility assistance. In the event the County needed assistance with assessing SW Fees, we have them available on call. We will also look to have them QA/QC data from previous years. Allocated funds - \$29,900.00.
 - e) Scope #5 – Drainage study for Buckwalter and Bluffton Parkways. Based on collaborative conversations with the Town of Bluffton, project not needed. Abandoned Scope 5.

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- f) Scope #6 – Turtle lane drainage study. Continuously flooded property, Stormwater staff wanted to determine if it would be useful to purchase and put BMP in place. Determination was no BMP yet, but could fit into larger study of Northern Ladys Island. Allocated funds - \$10,000.00.
- g) Scope #7 – Northern Lady’s Island Drainage Study – still currently reviewing proposal. Funding requirement - \$150,000.00 - \$300,000.00 based on level of detail wanted.

Scopes on County Radar:

- a) Arthur Horne Park – 319 Grant
- b) Battery Creek 319 Pond
- c) St. Helena Drainage Study
- d) Annual Report to DHEC

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 time of report.
- 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.

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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 – Report unavailable.
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. Stormwater Infrastructure Senior Administrative Assistant started on September 20th. Currently Stormwater Infrastructure is advertising 13 open positions, with some vacancies not being posted yet.

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:** Fourth 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.

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:** Fourth 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:

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. Cypress wetland project sampling effort was on September 16, 2021 for a wet event and September 29, 2021 for a dry event.
- 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.

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:** Last efforts were completed in March 2020.

USCB Laboratory

- **USCB'S** Water Quality Laboratory will be vacating the North campus location and will solely be located on South campus at the request of the University.
- **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



MEETING DATE:	October 12, 2021
SUBJECT:	Engineering Department Monthly Report
PROJECT MANAGER:	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 have been delivered and construction is underway.
- **Next Steps**
 - Complete construction in December 2021

2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting

- Boardwalk lighting has been installed and the easement acquisition process for street lighting is underway.
- Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive: construction to start in September due to material delivery delays.
- 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 and easement acquisition is underway.

- **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 November 2021.

- 5. New River Linear Trail**
 - Surveying is underway
 - **Next Steps**
 - Obtain quote for Phase 1 engineering design.
 - 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-Simmons ville Sewer (Phases 5A-5D)**
 - Construction has been halted on Phase 5A-D. Contractor is beginning closeout phase for what has been installed to date.
 - Working with the Engineer on new construction documentation to complete the project.
 - **Next Steps**
 - Advertise for bids to complete construction on Phase 5A-D.
 - Start house connections after the main line is approved by DHEC.

- 2. Historic District Sewer Extension Phase 1 - Pritchard Street**
 - Main line construction, gravity connections, and paving are complete.
 - **Next Steps**
 - Finalize grinder pump house connections.

- 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.
 - Readvertise for bid.

- 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 January 2022.

2. Historic District Streetscape and Drainage Improvements

- Engineering design, landscape design and permitting have been completed 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.
- Obtained Traffic Consultant Report with ADA recommendations.
- **Next Steps**
 - AME Church rain garden construction bid closed, no bids were received. Project will be re-advertised.
 - 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 October and continue with engineering design. Obtain preliminary plan in December and continue planning into FY 2022.
 - Easement acquisition is planned for FY 2023.
 - 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.
- Stabilization documents are underway.
- **Next Steps**
 - Prepare stabilization bid solicitation package in November 2021.
 - Begin stabilization construction in January 2022.

PARK DEVELOPMENT

1. Oyster Factory Park

- Witmer, Jones and Keefer completed design development drawings in May 2021.
- Engineering Design of eastern parking area underway.
- Obtained dock permit from USACOE and SCDHEC/OCRM
- **Next Steps**
 - Complete engineering design for the next phase of master planned improvements in FY 2022.
 - Begin construction of parking area in March 2022

2. Wright Family Park

- Park construction complete.
- Completed HVAC installation for restrooms in August 2021
- **Next Steps**
 - Possible palmetto log installation in Spring of 2022.

3. Oscar Frazier Park

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

4. New Riverside Barn/Park

- Obtained notification that \$500,000.00 grant was approved for partial funding of the initial phase of the project.
- Engineering design of Phase 1 site development is underway.
- Hart Howerton completed schematic design of the restroom and barn additions.
- Executed contract with Court Adkins to prepare construction documents for the restroom building.
- Executed contract with Wood and Partners for preliminary design of playground area.
- **Next Steps**
 - Continue 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.
- Coordinated with Mayberry Holdings for final design plan.
- Obtained bids to raise stormceptor.
- Obtained updated boundary, tree, topo and as-builts.
- **Next Steps**
 - Finalize plan with Mayberry Holdings.
 - Prepare 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 complete. Awaiting permits from agencies.
- **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

- Site work Substantially Complete.
- **Next Steps**
 - Punch list and closeout documents underway
 - Add covered parking to project per police department request.
 - Information Technology department coordinating upgrades to building security systems.
 - Reflection Garden and gathering space under consideration pending budget availability

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.

7. Rotary Community Center Facility Improvements

- Replace the hardwood floor in the main area.
- **Next Steps**
 - Request bids for the replacement of the new floor.

8. 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.
- Adopted by Town Council on 9/14/21
- **Next Steps**
 - Implementation by Town staff.

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.
- Information provided to Town Comprehensive Plan Update consultant team for resiliency component requirement.
- **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 FY 2022 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 has requested, along with Beaufort County Government and the Town of Hilton Head, that SCDHEC adjust the MS4 annual report timeline to align with the calendar year.

7. MS4 Minimum Control Measure (MCM) - #1 Public Education and Outreach, and MS4 MCM - #2 Public Participation and Involvement

- Town staff presented a watershed lesson to Pritchardville Elementary AMES 3rd and 4th grade students via Zoom on 9/09/21.
 - Town staff coordinated and held the Annual Beach Sweep/River Sweep on 9/18/21. Staff estimates that approximately 175 volunteers attended this event.
 - The May River Watershed Action Plan Advisory Committee is scheduled for 9/23/21.
- 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. In addition, staff is working to promote the May River Watershed Story Map for National Water Quality month.

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**
 - 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 9/20/21. Town staff also collected eleven (11) additional MST samples from locations throughout the May River Watershed. All results are pending, and pertinent results will be communicated with Council, WAPAC, and Senior Staff.
 - 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 provided illicit discharge detection and elimination (IDDE) and good housekeeping educational handouts to three (3) new Town employees.
 - Staff attended national StormCon conference 9/13-15/21.
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 Riverside trail and field at New River barn.
 - Beautification Program/Landscape Maintenance - ongoing routine.
2. **Facilities** - Facilities and Parks Maintenance - ongoing routine.
 3. **Public Works Activities Report - Attachment 10**
 4. **Rental and Special Events Activity Report - Attachment 11**

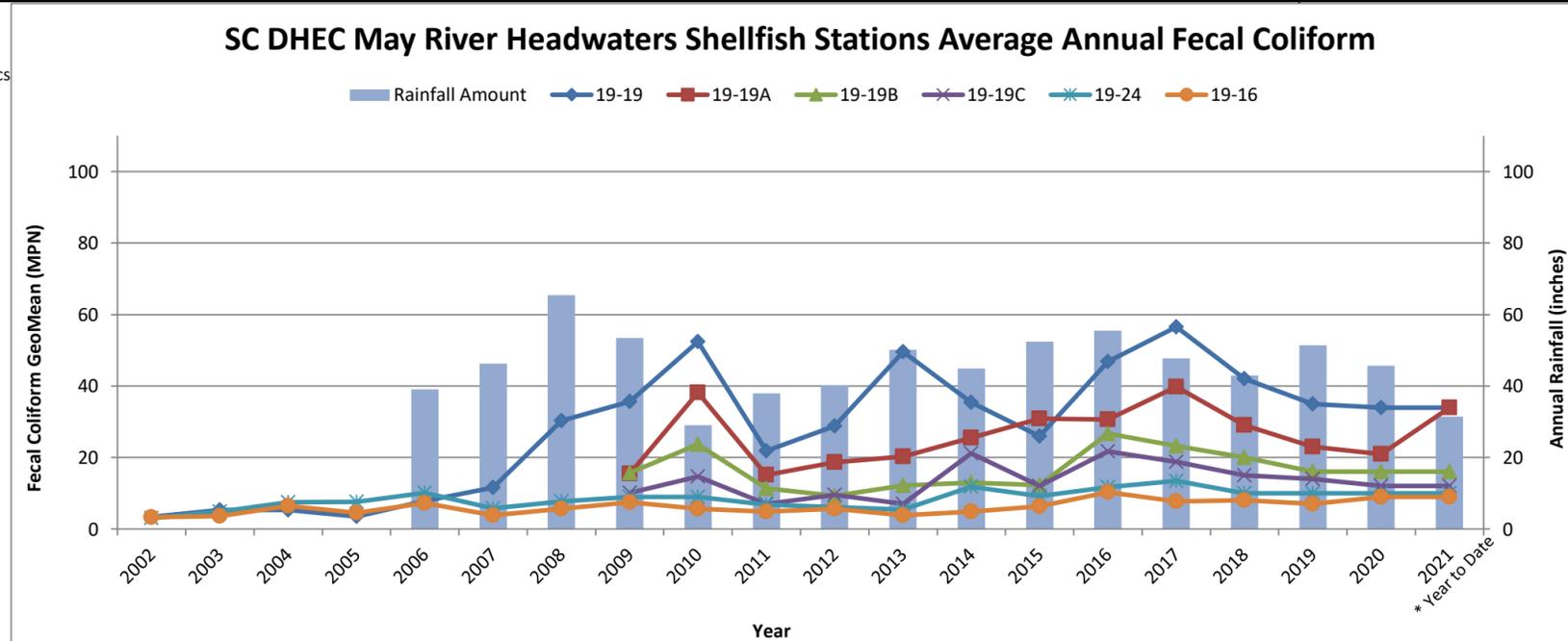
Attachments

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. Beautification Committee Agenda
10. Public Works Activities Report
11. Rental and Special Events Activity Report
12. CIP Project Schedules

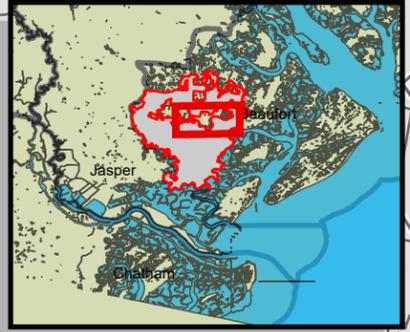
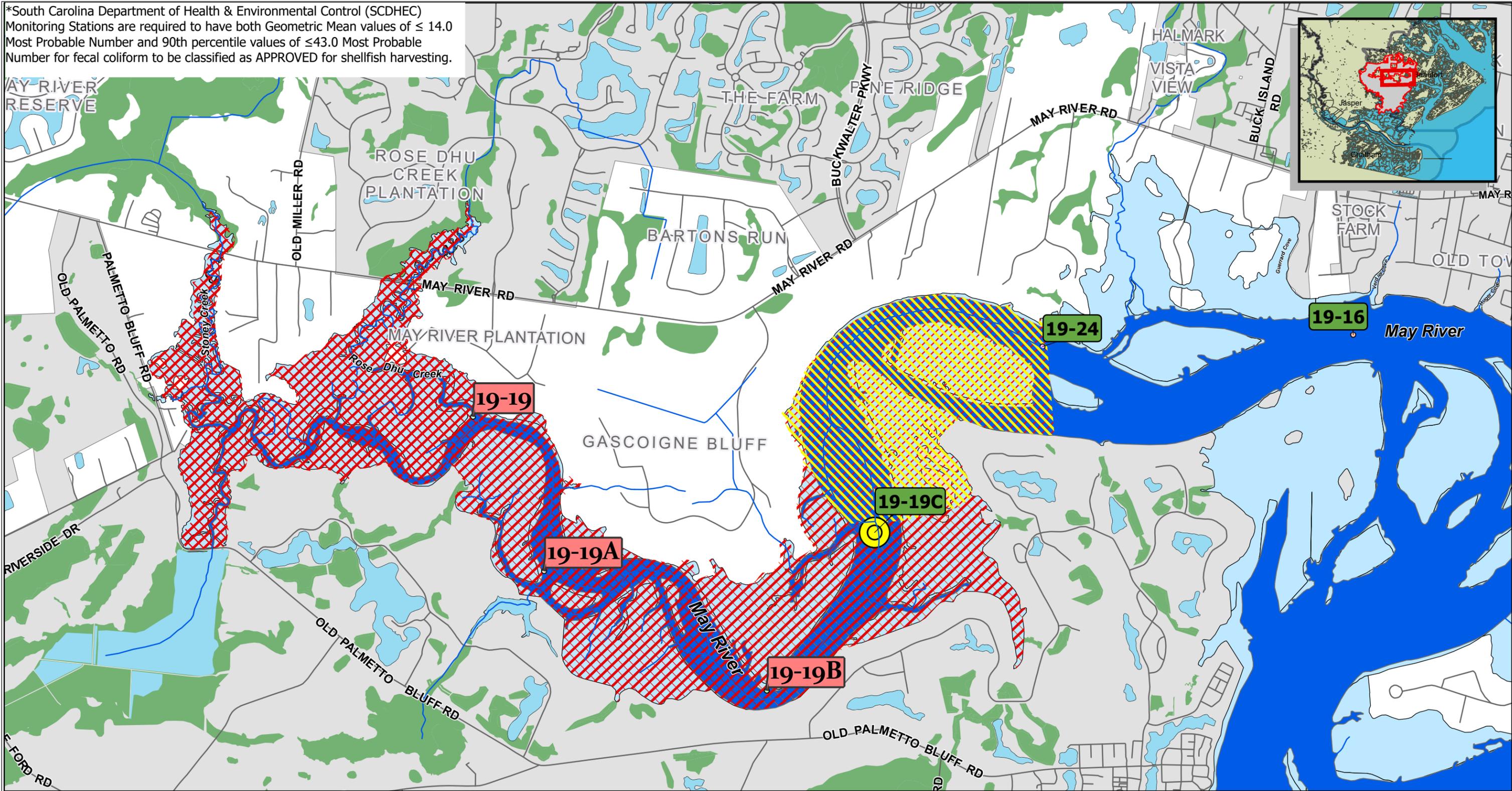
* Attachment noted above includes the latest updates in bold and italic font.

	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	49.0	23.0	49.0	49.0	49.0	13.0	33.0	23.0	23.0	4.5	22.0	23.0	49.0	7.8	7.8	17.0	14.0	17.0	17.0	22.0	14.0
July	23.0	4.5	33.0	350.0	33.0	13.0	13.0	64.0	11.0	7.8	23.0	79.0	7.8	17.0	7.8	33.0	13.0	22.0	7.8	33.0	4.5	13.0	17.0	13.0
June	11.0	33.0	NS	49.0	23.0	49.0	NS	79.0	23.0	49.0	NS	13.0	7.8	46.0	NS	17.0	4.5	13.0	NS	22.0	1.8	4.5	NS	2.0
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	35.4	17.5	19.0	31.9	37.2	13.1	13.0	27.3	26.0	10.7	14.5	14.0	22.8	9.8	8.0	13.8	12.2	7.9	7.5	15.3	5.6
** Truncated GeoMetric Mean	42.0	35.0	34.0	36.0	29.0	23.0	21.0	26.0	20.0	16.0	16.0	20.0	15.0	14.0	12.0	15.0	10.0	10.0	10.0	11.0	8.0	7.0	9.0	8.0
** Truncated 90th Percentile	176.0	168.0	106.0	145.0	115.0	89.0	59.0	71.0	71.0	63.0	50.0	64.0	56.0	52.0	37.0	42.0	44.0	38.0	31.0	37.0	30.0	32.0	35.0	35.0

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



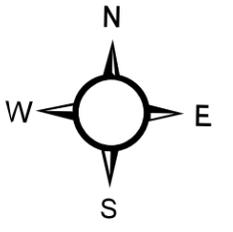
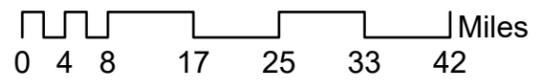
*South Carolina Department of Health & Environmental Control (SCDHEC) Monitoring Stations are required to have both Geometric Mean values of ≤ 14.0 Most Probable Number and 90th percentile values of ≤ 43.0 Most Probable Number for fecal coliform to be classified as APPROVED for shellfish harvesting.



- | | |
|---|---------------------|
| SCDHEC Shellfish Monitoring Stations | Streets |
| Closed SCDHEC Shellfish Monitoring Stations | Drainage |
| Open SCDHEC Shellfish Monitoring Stations | Town Jurisdiction |
| SCDHEC Shellfish Monitoring Station Classification Change | County Jurisdiction |
| Restricted 2021/2022 Shellfish Season | Water |
| Re-Opened 2021/2022 Shellfish Season | Wetlands |

Town of Bluffton
Beaufort County, SC

SCDHEC SHELLFISH HARVESTING STATUS



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	<i>Current project updates are included in Engineering Consent Agenda under "Southern Lowcountry Regional Board (SoLoCo)."</i>
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. <i>Current project updates are included in Engineering Consent Agenda under "Sewer & Water."</i>
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. <i>Current project updates are included in Engineering Consent Agenda under "Sewer & Water."</i>
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. <i>Current project updates are included in Engineering Consent Agenda under "Pathways."</i>
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. <i>Current updates are included in Engineering Consent Agenda and Attachment 3.</i>
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. <i>Current updates are included in Engineering Consent Agenda Attachment 4a.</i>

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 <i>Current updates are included in Engineering Consent Agenda Attachments 1, 1a, 4b - 4d.</i>
Illicit Discharge Detection & Elimination (IDDE) Program (MS4 Minimum Control Measure #3)	Response to reported and observed non-stormwater discharges to the stormwater drainage system. <i>Current updates are included in Engineering Consent Agenda Attachment 4e.</i>
Construction Site Stormwater Runoff Control Program (MS4 Minimum Control Measure #4)	Sediment and erosion control inspections with escalating enforcement response. <i>Current updates are included in Engineering Consent Agenda Attachment 5.</i>
Stormwater Plan Review & Related Activity Program (MS4 Minimum Control Measure #5)	SCDHEC delegated plan review-related activities. <i>Current updates are included in Engineering Consent Agenda Attachment 6.</i>
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. <i>Current updates are included in Engineering Consent Agenda Attachment 7.</i>
Neighborhood Assistance Program - Septic System Maintenance Program	On-going assistance offered to Town residents regardless of financial status through Neighborhood Assistance Program (NAP). <i>Current updates are provided in Growth Management Consent Agenda.</i>



May River Watershed Action Plan Advisory Committee Meeting

Thursday, September 23, 2021 at 9:00 AM

Council Chambers

AGENDA

- I. **CALL TO ORDER**
- II. **ROLL CALL AND CONFIRMATION OF QUORUM**
- III. **ADOPTION OF THE AGENDA**
- IV. **ADOPTION OF MINUTES**
 1. Adoption of February 25, 2021 Minutes
 2. Adoption of July 22, 2021 Minutes
- V. **PUBLIC COMMENTS**
- VI. **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
- VII. **NEW BUSINESS**
 1. History of the May River Watershed Action Plan
- VIII. **DISCUSSION**
- IX. **ADJOURNMENT**

NEXT MEETING DATE: Thursday, October 28, 2021 at 9:00 AM

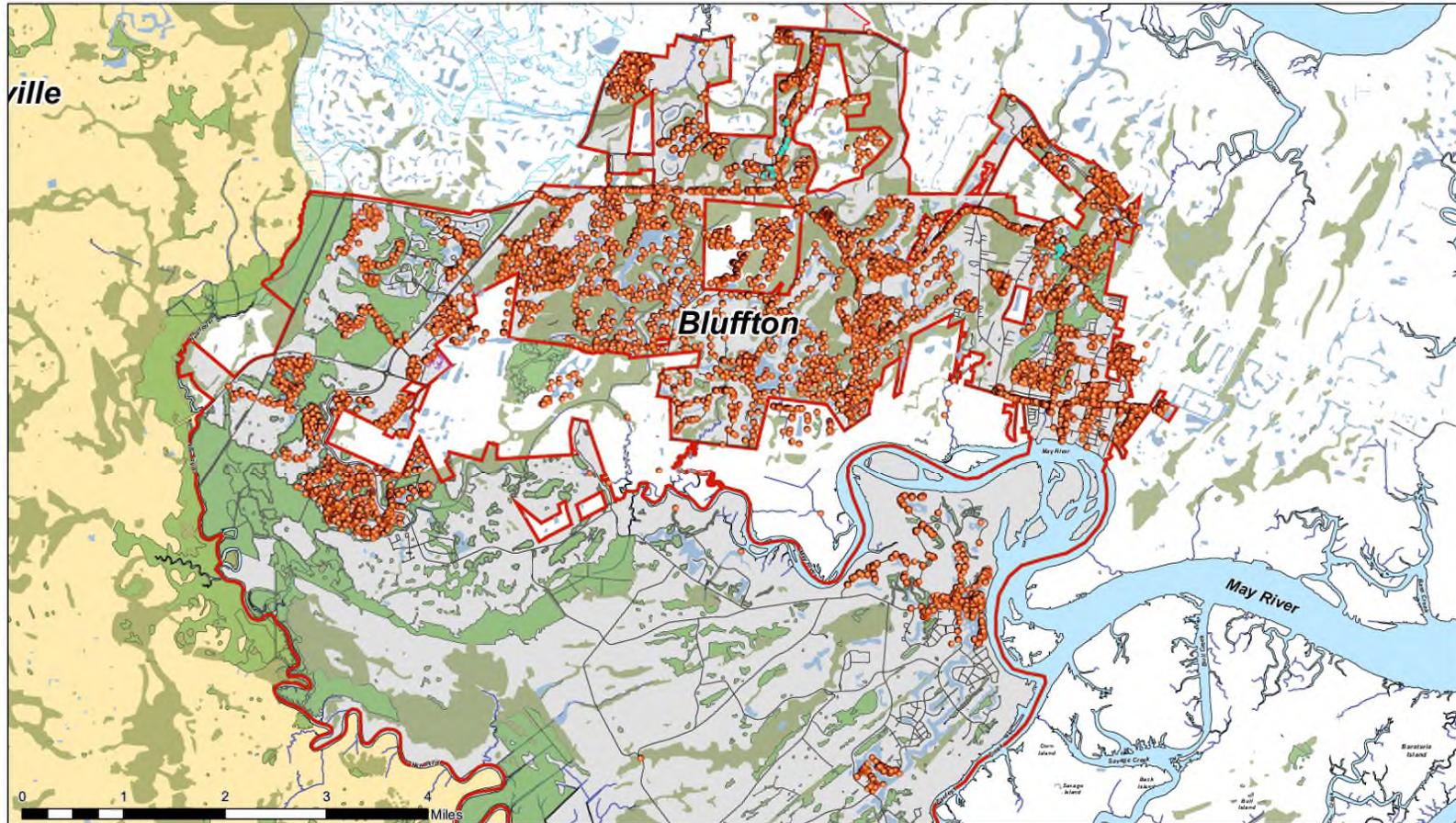
“FOIA Compliance – Public notification of this meeting has been published and posted in compliance with the Freedom of Information Act and the Town of Bluffton policies.”

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

Town of Bluffton
Beaufort County, SC

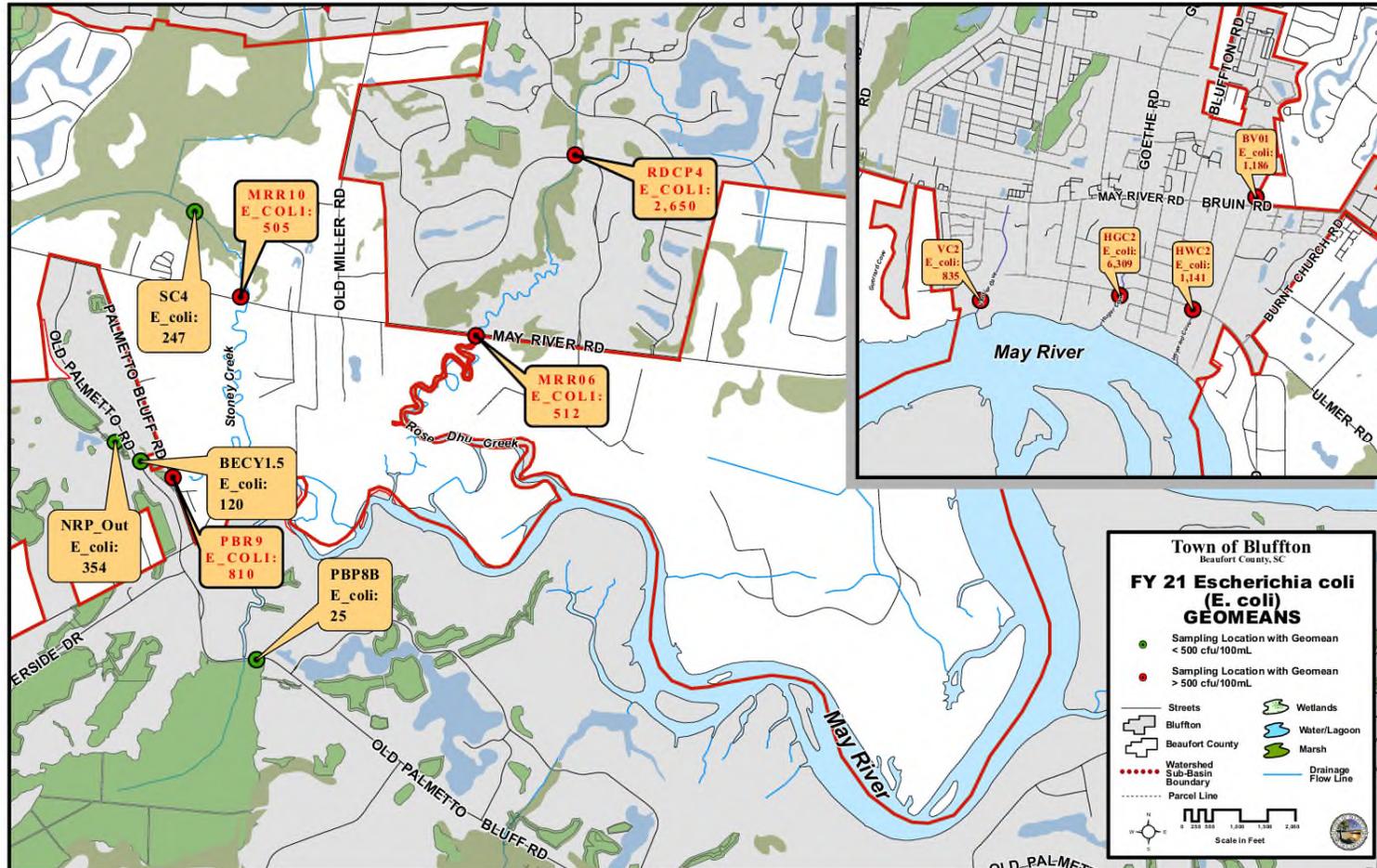
STORMWATER INFRASTRUCTURE



Updated Date: 9/21/2021

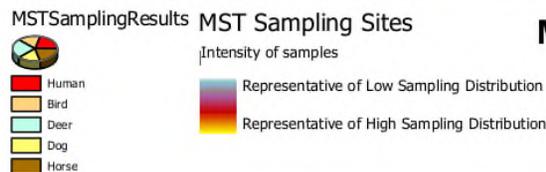
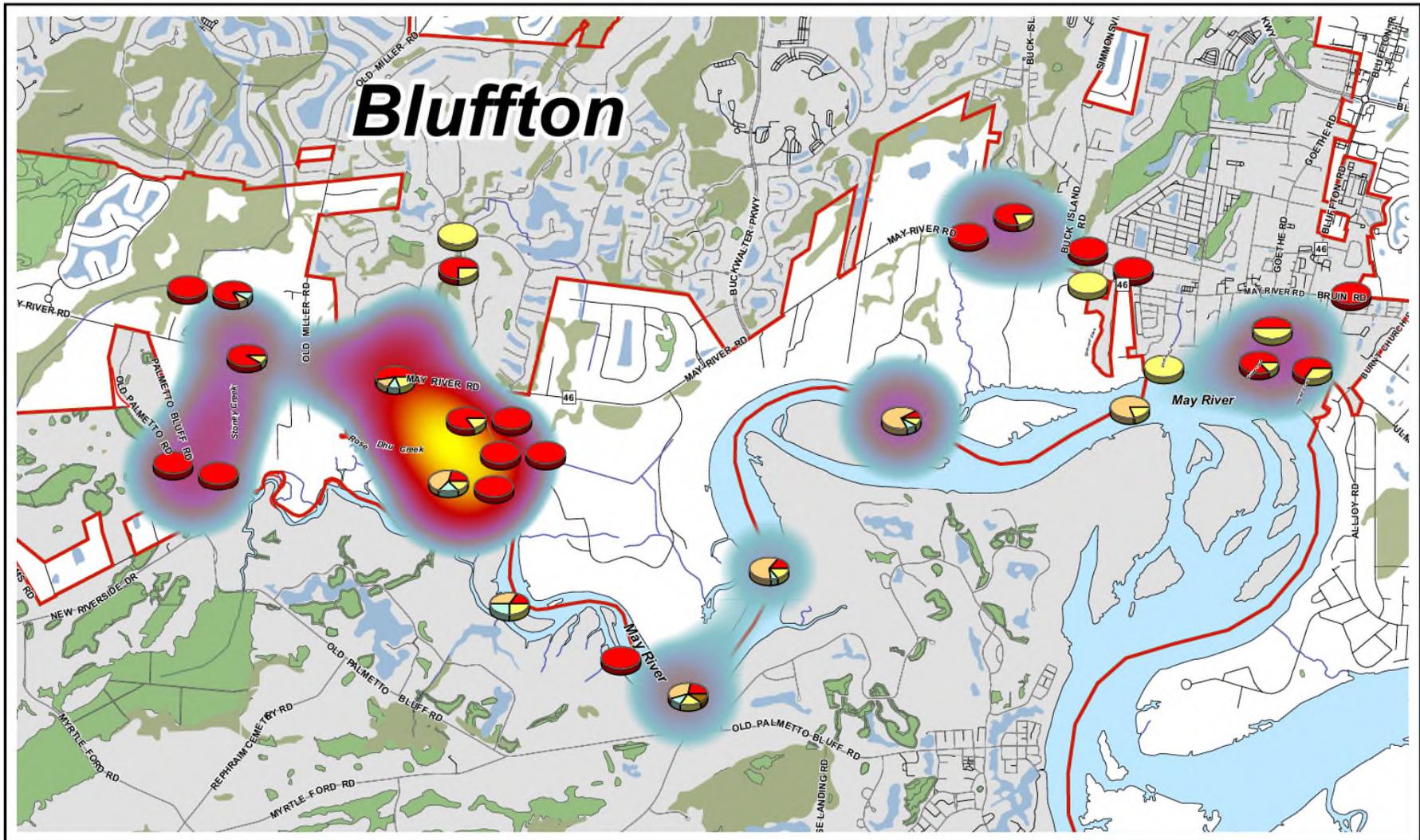
Stormwater Infrastructure Inventory Collection Status	
FY 2022 YTD Collection Totals	812
FY 2021 Collection Totals	2,222
FY 2020 Collection Totals	4,878
FY 2019 Collection Totals	2,925

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



	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2022 YTD Totals	69	10	41
FY 2021 Totals	380	115	179
FY 2020 Totals	223	115	123
FY 2019 Totals	280	193	264

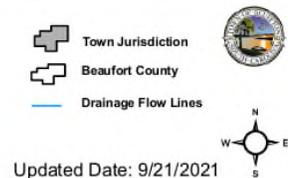
MS4 Minimum Control Measure #3 – IDDE: Microbial Source Tracking (MST) Trend Map – Human Source



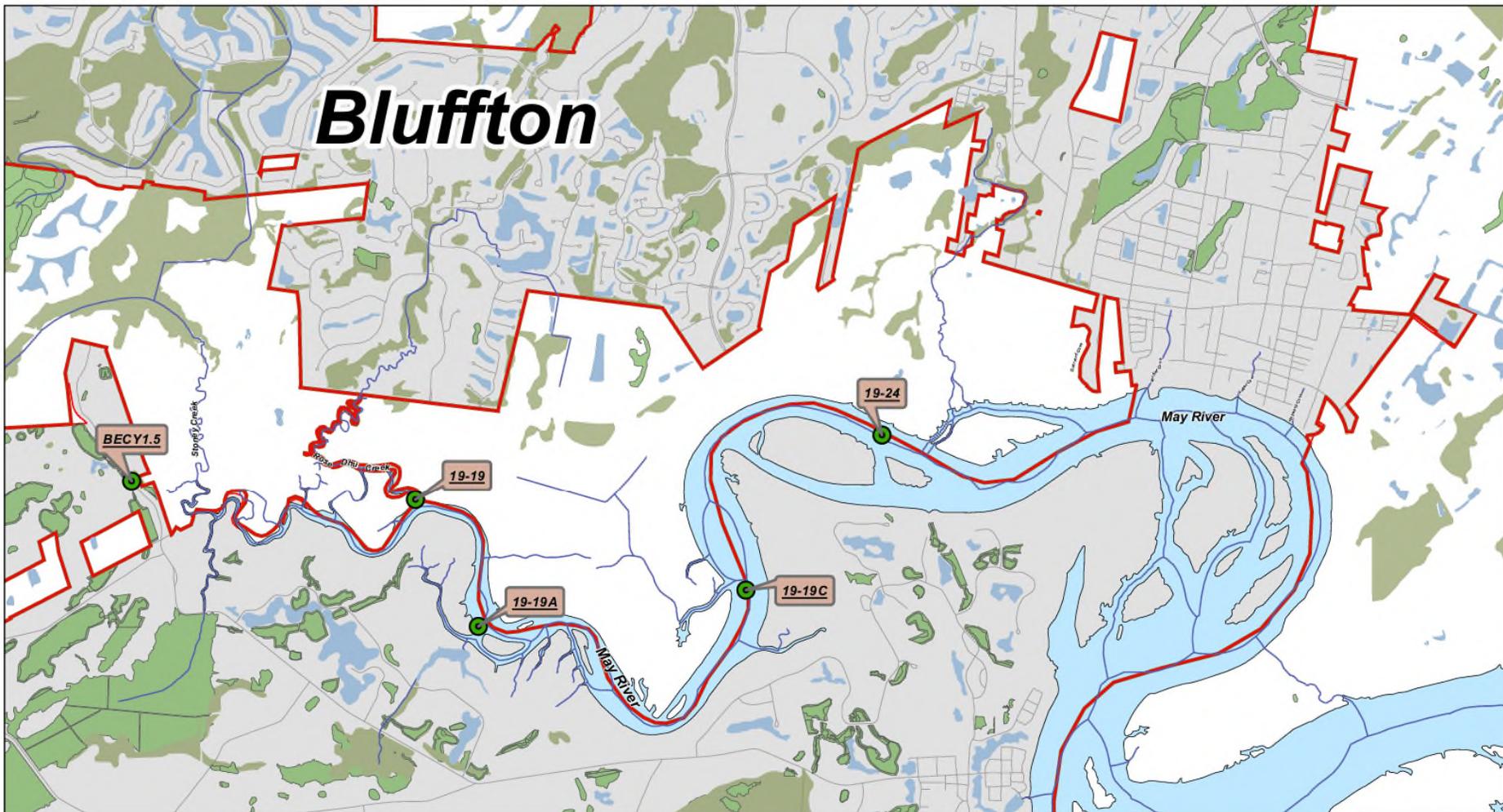
MICROBIAL SOURCE TRACKING (MST) LOCATIONS

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

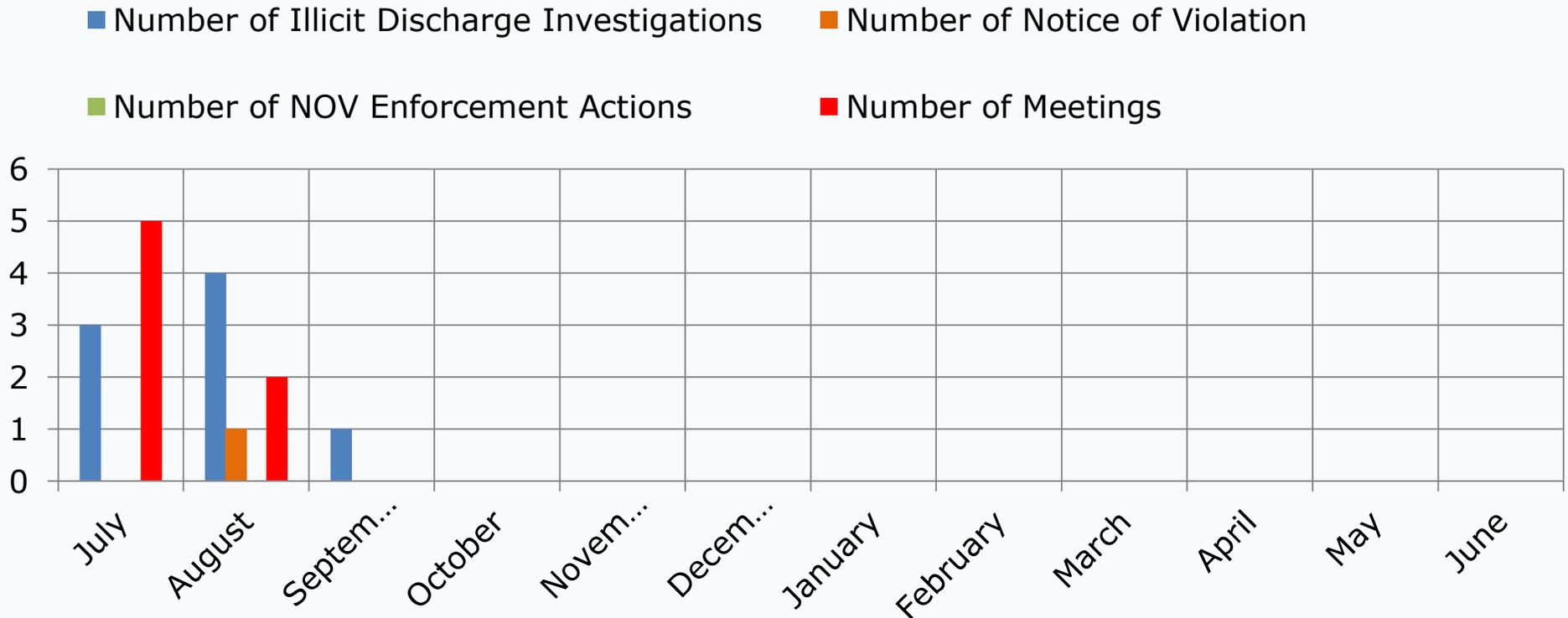
MICROBIAL SOURCE TRACKING LOCATIONS

Sampling Results July 2021

Town of Bluffton
Beaufort County, SC

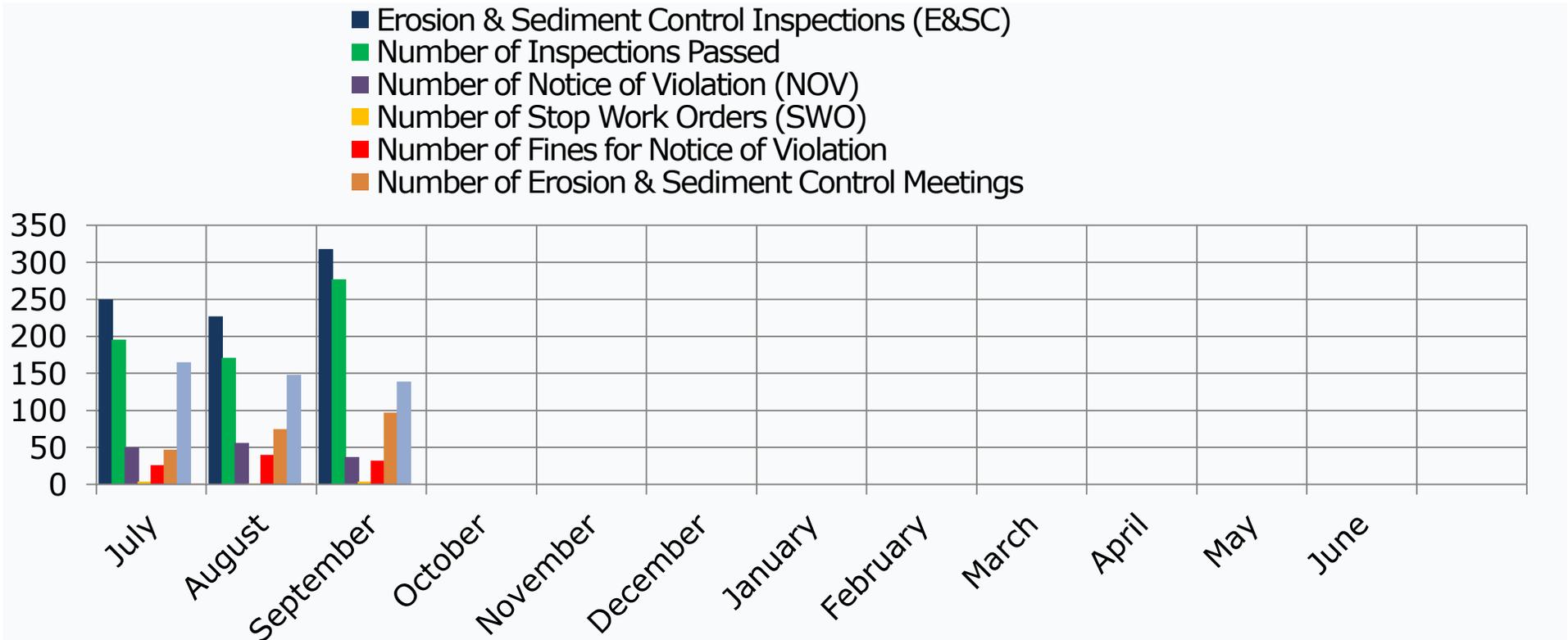


MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations



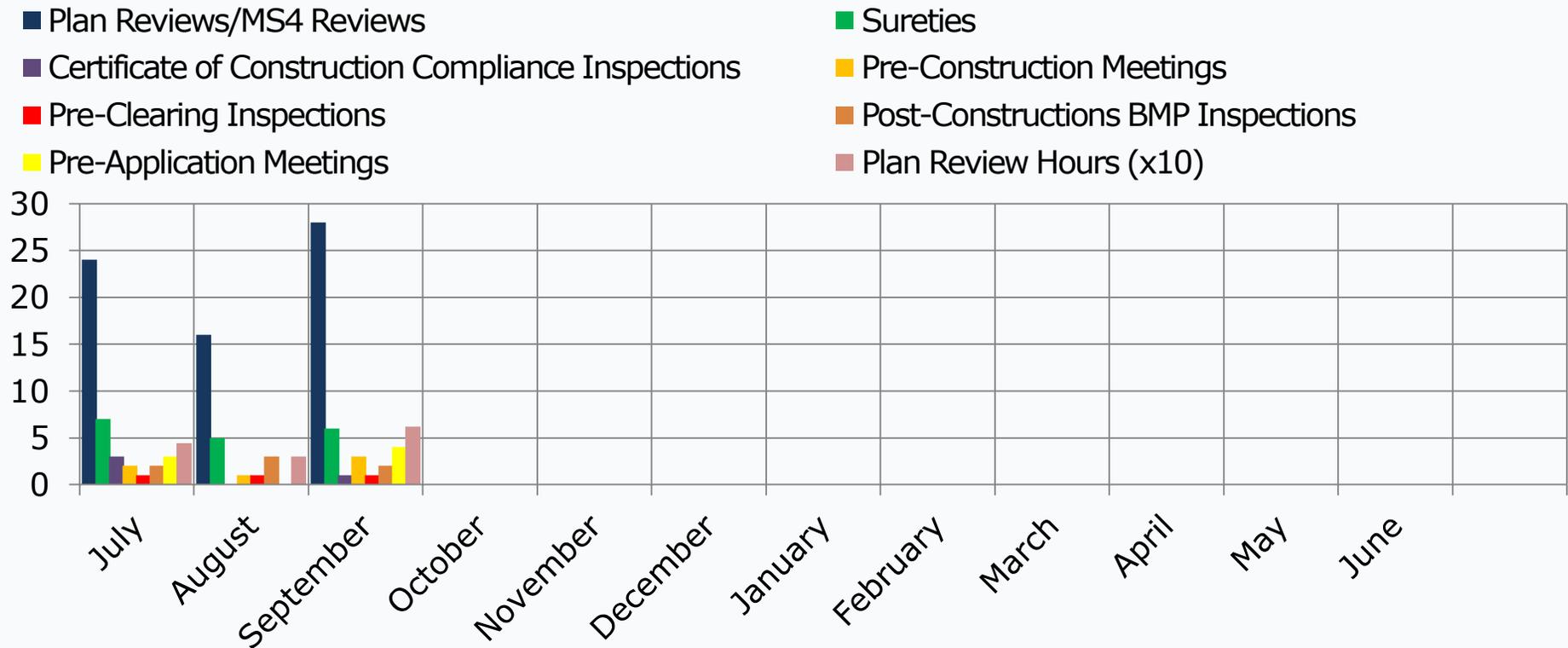
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of NOV Enforcement Actions	Number of Meetings
FY 2022 YTD Totals	8	1	0	7
FY 2021 Totals	36	11	1	29
FY 2020 Totals	45	8	6	49
FY 2019 Totals	38	3	1	61

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



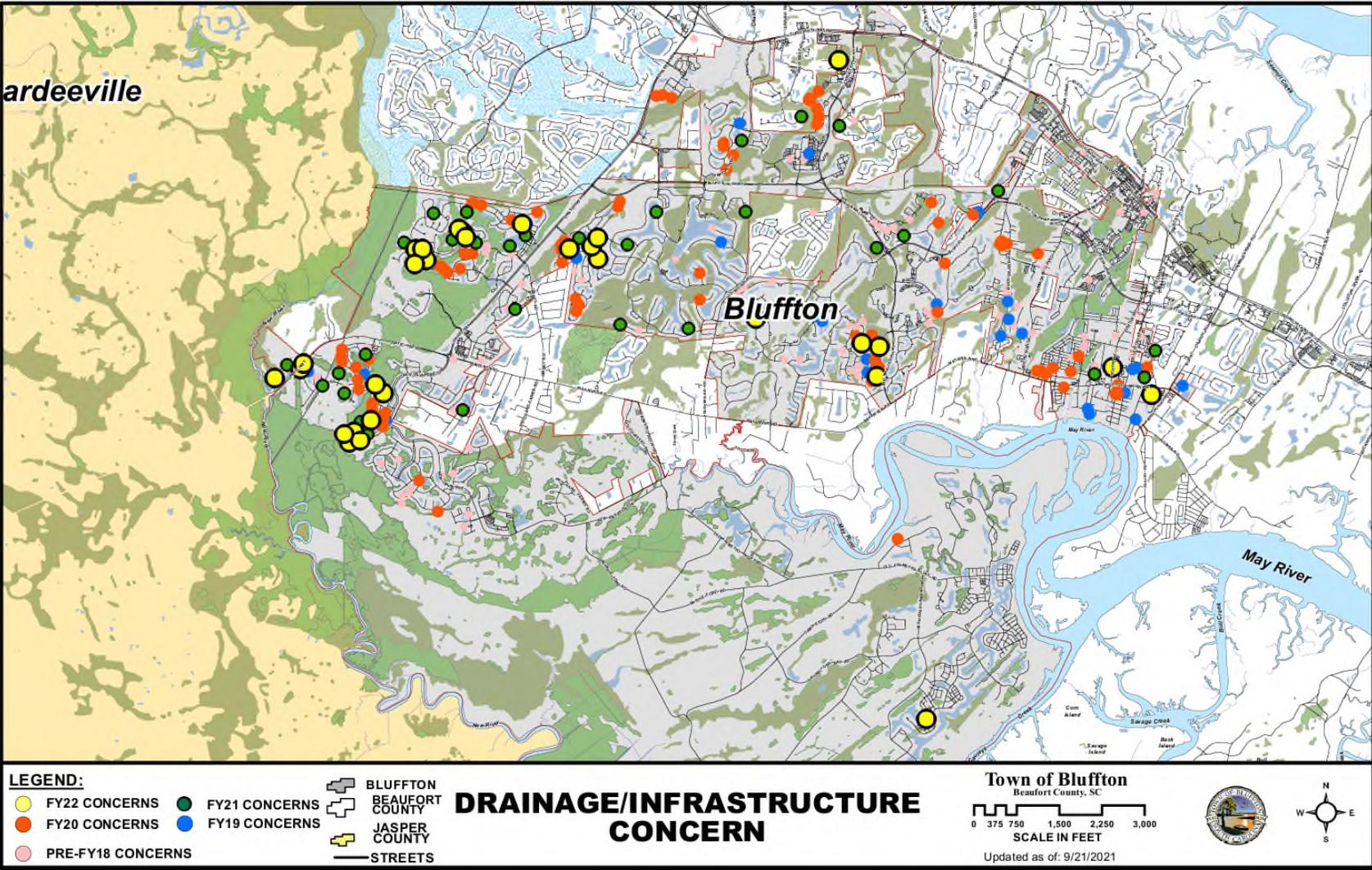
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOVs Issued	Number of SWO Issued	Number of NOV Enforcement Actions	Number of E&SC Meetings
FY 2022 YTD Totals	795	644	143	9	35	219
FY 2021 Totals	1,805	1,527	267	32	36	413
FY 2020 Totals	1,517	1187	185	16	9	496

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



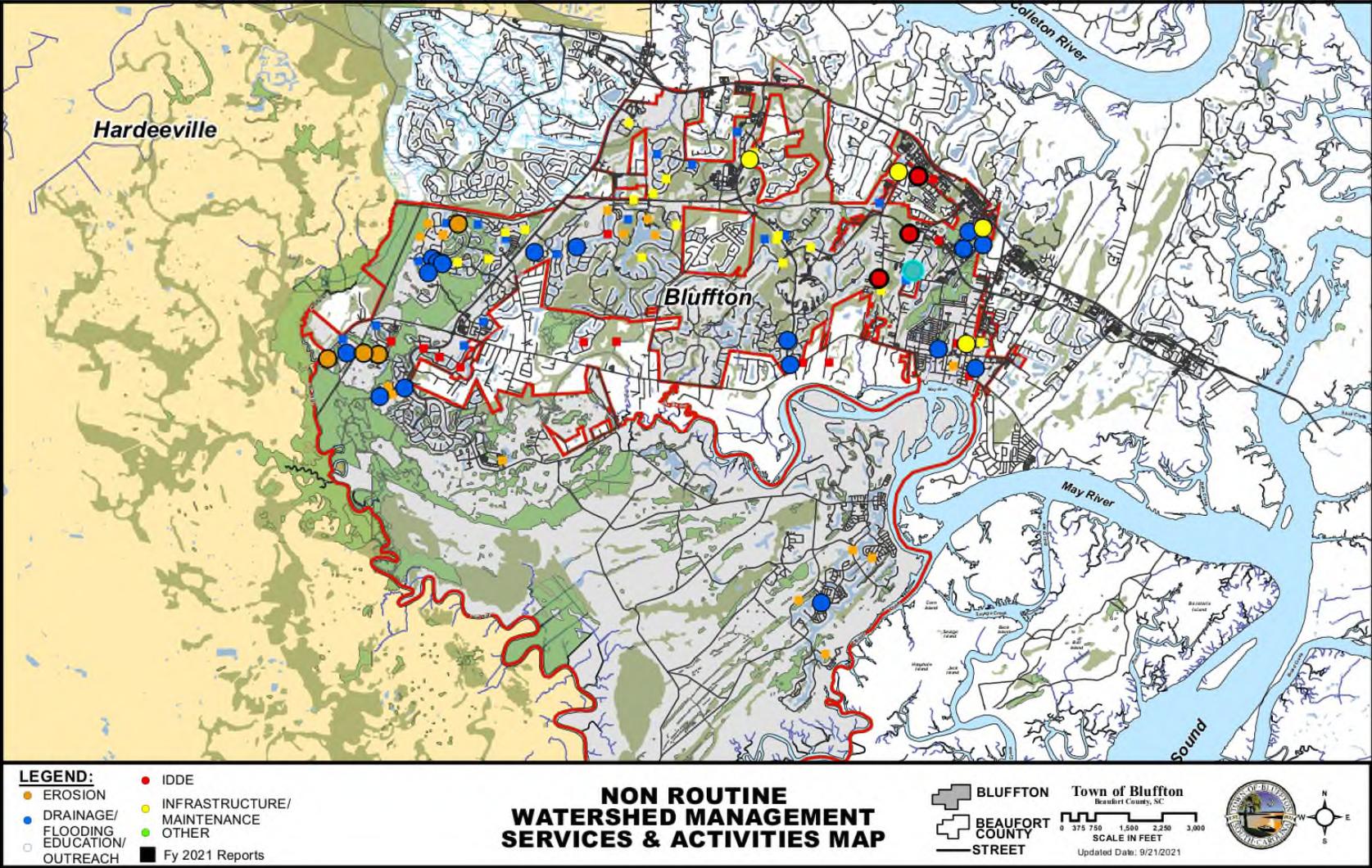
	Plan Reviews MS4 Reviews	Sureties	Certificate of Construction Compliance Inspections	Pre- Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2022 YTD Totals	68	18	4	6	3	7	7	136 Hrs.
FY 2021 Totals	186	61	55	24	24	22	41	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	16	17
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	16	17
FY 2021 Totals	46	36
FY 2020 Totals	99	102



Beautification Committee Meeting

Thursday, September 16, 2021 at 10:00 AM

Theodore D. Washington, Municipal Building

AGENDA

- I. CALL TO ORDER
- II. ROLL CALL
- III. ADOPTION OF THE AGENDA
- IV. ADOPTION OF MINUTES - February 20, 2020
- V. PUBLIC COMMENTS
- VI. OLD BUSINESS
- VII. NEW BUSINESS
 - 1. Introduction of New Beautification Committee Members
 - 2. Election of Officers
 - 3. Adoption of 2021 Meeting Dates
 - 4. Discuss Special Project for FY 2022
- VIII. DISCUSSION
 - 1. Wright Family Park Camellia Garden
- IX. ADJOURNMENT

NEXT SCHEDULED MEETING DATE: Thursday, October 16, 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 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.*

Public Works Activities Report

Week	# of Activities	Labor Cost	Equipment Cost	Other Cost	Total
FY22WK1	58	\$4,438.00	\$3,759.00		\$8,197.00
FY22WK2	95	\$3,860.00	\$2,756.00		\$6,616.00
FY22WK3	173	\$5,049.00	\$4,277.00		\$9,327.00
FY22WK4	53	\$4,522.00	\$3,328.00		\$7,849.00
FY22WK5	112	\$4,367.00	\$2,797.00		\$7,164.00
FY22WK6	116	\$5,062.00	\$2,900.00		\$8,105.00
FY22WK7	57	\$4,206.00	\$3,063.00		\$7,269.00
FY22WK8	88	\$3,453.00	\$2,254.00		\$5,708.00
FY22WK9	113	\$4,355.00	\$2,723.00		\$7,078.00
FY22WK10	98	\$5,650.00	\$4,984.00		\$10,634.00
FY22WK11	116	\$3,592.00	\$2,201.00		\$5,806.00
FY22WK12	73	\$4,324.00	\$4,008.00		\$8,332.00
FY22WK13					
FY22WK14					
FY22WK15					
FY22WK16					
FY22WK17					
FY22WK18					
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FY22WK43					
FY22WK44					
FY22WK45					
FY22WK46					
FY22WK47					
FY22WK48					
FY22WK49					
FY22WK50					
FY22WK51					
FY22WK52					
Total	1152	\$52,878.00	\$39,050.00	\$0.00	\$92,085.00

RENTAL AND SPECIAL EVENTS ACTIVITY REPORT

MONTHLY ACTIVITY 2021	<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	1	1				
Oyster Factory Park Rentals	1	1	7	3	4	9	5	4	6				40
Oyster Factory Park Special Events	1	1	0	3	5	1	4	1	2				18
Martin Family Park Rentals	0	0	0	1	1	0	0	2	0				4
Martin Family Park Special Events	0	0	0	0	4	6	8	6	9				33
Green Street Special Events	3	4	5	6	4	4	6	4	6				42
Buckwalter Place Park Rentals	0	0	1	0	0	0	1	1	0				3
Buckwalter Place Park Special Events	0	1	1	0	2	1	0	0	2				7
Field of Dreams Rentals Oscar Frazier Park	0	0	0	0	0	1	0	1	1				3
Field of Dreams Special Events Oscar Frazier Park	0	0	0	0	0	0	0	0	0				0
Rotary Community Center Rentals	1	4	2	7	10	12	14	10	9				69
Rotary Community Center Special Events	0	0	0	0	2	0	0	0	0				2
Rotary Community Center Showings	3	5	4	5	6	8	3	1	3				38
MONTHLY TOTALS	9	16	20	25	38	42	41	30	38	0	0	0	

**BOUNDARY STREET LIGHTING
PROPOSED SCHEDULE**

ID	Task Name	Duration	Start	Finish	2020												2021												2022								
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
1	BOUNDARY STREET LIGHTING PHASE 2	649 days	Mon 7/8/19	Thu 12/30/21	◆																																
2	Planning and Conceptual Design	445 days	Mon 7/8/19	Fri 3/19/21	◆																																
13	Permitting	90 days	Mon 1/20/20	Fri 5/22/20	◆																																
15	Easements and Land Acquisition	114 days	Tue 6/1/21	Fri 11/5/21	◆																																
18	Construction	84 days	Mon 9/6/21	Thu 12/30/21	◆																																

Project: 00069 Date: Mon 9/27/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contract	◆		

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	PHASE 3	404 days	Mon 11/2/20	Thu 5/19/22																				
2	Planning and Conceptual Design	136 days	Mon 11/2/20	Mon 5/10/21																				
9	Final Design and Construction Documents	90 days	Tue 5/11/21	Mon 9/13/21																				
11	Permitting	40 days	Tue 9/14/21	Mon 11/8/21																				
14	Easements and Land Acquisition	105 days	Tue 5/4/21	Mon 9/27/21																				
17	Bidding and Contracts	46 days	Tue 11/9/21	Tue 1/11/22																				
22	Construction	92 days	Wed 1/12/22	Thu 5/19/22																				

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

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	Feb	Mar	Apr	May	Jun	Jul		
1	PHASE 5	434 days	Mon 11/2/20	Thu 6/30/22	◆																							
2	Planning and Conceptual Design	156 days	Mon 11/2/20	Mon 6/7/21	◆																							
9	Final Design and Construction Documents	100 days	Tue 6/8/21	Mon 10/25/21													◆											
11	Permitting	40 days	Tue 10/26/21	Mon 12/20/21																		◆						
14	Easements and Land Acquisition	105 days	Tue 6/1/21	Mon 10/25/21													◆											
17	Bidding and Contracts	46 days	Tue 12/21/21	Tue 2/22/22																		◆						
22	Construction	92 days	Wed 2/23/22	Thu 6/30/22																		◆						

Project: 00074	Milestone ◆	Project Duration ◆	Permitting ◆	Construction ◆
Date: Mon 9/27/21	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	Feb	Mar	Apr	May	Jun	Jul		
1	PHASE 6	434 days	Mon 11/2/20	Thu 6/30/22	◆																							
2	Planning and Conceptual Design	156 days	Mon 11/2/20	Mon 6/7/21	◆																							
9	Final Design and Construction Documents	100 days	Tue 6/8/21	Mon 10/25/21	◆																							
11	Permitting	40 days	Tue 10/26/21	Mon 12/20/21	◆																							
14	Easements and Land Acquisition	105 days	Tue 6/1/21	Mon 10/25/21	◆																							
17	Bidding and Contracts	46 days	Tue 12/21/21	Tue 2/22/22	◆																							
22	Construction	92 days	Wed 2/23/22	Thu 6/30/22	◆																							

Project: 00075	Milestone ◆	Project Duration ◆	Permitting ◆	Construction ◆
Date: Mon 9/27/21	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	BRIDGE STREET STREETScape	566 days	Mon 9/2/19	Mon 11/1/21	
2	Planning and Conceptual Design	233 days	Mon 9/2/19	Wed 7/22/20	
17	Final Design	338 days	Wed 7/22/20	Fri 11/5/21	
23	Permitting	140 days	Mon 5/3/21	Fri 11/12/21	
28	Easements and Land Acquisition	200 days	Mon 4/19/21	Fri 1/21/22	
35	Bidding	66 days	Mon 1/10/22	Mon 4/11/22	

Project: 00082	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
Date: Mon 9/27/21	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	NEW RIVER TRAIL	249 days	Mon 7/5/21	Thu 6/16/22	◆—————◆											
2	Planning	617 days	Mon 7/5/21	Tue 11/14/23	◆—————◆											
15	Final Planning and Construction Documents	80 days	Mon 11/8/21	Fri 2/25/22												
25	Permitting	93 days	Wed 11/17/21	Fri 3/25/22												
30	Bidding and Contracts	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	◆—————◆		

GHOST ROADS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020												2021												2022											
					Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
1	GHOST ROADS	731 days	Thu 9/12/19	Thu 6/30/22																																				
2	Planning and Conceptual Design	731 days	Thu 9/12/19	Thu 6/30/22																																				

Project: 00093 Date: Tue 1/5/21	Milestone Critical Task Task	Project Duration Planning and Conceptual Design Final Design and Construction Documents	Permitting Easements and Land Acquisition Bidding and Contracts	Construction
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BOUNDARY STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Septem B M E	October B M E	Novem B M E	Decemt B M E	January B M E	Februa B M E	March B M E	April B M E	May B M E	June B M E	July B M E	August B M E	Septem B M E	October B M E	Novem B M E	Decemt B M E	January B M E	Februa B M E	March B M E	April B M E	May B M E	June B M E	July B M E	August B M E	Septem B M E	October B M E
1	BOUNDARY STREET STREETScape	536 days	Mon 9/7/20	Mon 9/26/22	◆																									
2	Planning and Conceptual Design	178 days	Mon 9/7/20	Wed 5/12/21	◆																									
13	Final Planning and Construction Documents	188 days	Wed 2/17/21	Fri 11/5/21	◆																									
27	Permitting Phase	55 days	Mon 8/9/21	Fri 10/22/21	◆																									
32	Easements and Land Acquisition	296 days	Mon 8/9/21	Mon 9/26/22	◆																									
41	Construction																													

Project: 00094
Date: Wed 1/27/21

Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Critical Task	★	Planning and Conceptual Design	◆	Bidding and Contract	◆		
Task	■	Final Design and Construction Documents	◆	Easements and Land Acquisitions	◆		

BOUNDARY STREET STREETSCAPE
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Septem B M E	October B M E	Novem B M E	Decemb B M E	January B M E	Februa B M E	March B M E	April B M E	May B M E	June B M E	July B M E	August B M E	Septem B M E	October B M E	Novem B M E	Decemb B M E	January B M E	Februa B M E	March B M E	April B M E	May B M E	June B M E	July B M E	August B M E	Septem B M E	October B M E
1	BOUNDARY STREET STREETSCAPE	536 days	Mon 9/7/20	Mon 9/26/22																										
2	Planning and Conceptual Design	178 days	Mon 9/7/20	Wed 5/12/21																										
13	Final Planning and Construction Documents	188 days	Wed 2/17/21	Fri 11/5/21																										
27	Permitting Phase	55 days	Mon 8/9/21	Fri 10/22/21																										
32	Easements and Land Acquisition	296 days	Mon 8/9/21	Mon 9/26/22																										
41	Construction																													
42																														
43																														
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50																														
51																														
52																														

Project: 00094 Date: Mon 9/20/21	Milestone	◆	Project Duration	◆	Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Bidding and Contract			
	Task		Final Design and Construction Documents		Easements and Land Acquisitions			

CALHOUN STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Month																																		
				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	Decemb	January	Februar	March
1	CALHOUN STREET STREETScape	796 days	Mon 5/18/20	◆																																		
2	Planning and Conceptual Design	80 days	Mon 5/18/20	◆																																		
7	Final Planning and Construction Documents	535 days	Mon 9/7/20	◆																																		
28	Permitting Phase (Phase 1)	75 days	Mon 6/13/22	◆																																		
33	Easements and Land Acquisition (Phase 1)	261 days	Mon 6/6/22	◆																																		

Project: 00042 Date: Mon 9/27/21	Milestone	◆	Task	■	Planning and Conceptual Design	◆	Permitting	■	Easements and Land Acquisitions	◆	Construction
	Critical Task	★	Project Duration	◆	Final Design and Construction Documents	◆	Bidding and Contract	■	Construction	◆	Construction

BUCK ISLAND-SIMMONSVILLE SANITARY SEWER PHASE 5 A-D
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	4, 2016 Nov/Dec	Qtr 1, 2017 Jan/Feb/Mar	Qtr 2, 2017 Apr/May/June	Qtr 3, 2017 Jul/Aug/Sep	Qtr 4, 2017 Oct/Nov/Dec	Qtr 1, 2018 Jan/Feb/Mar	Qtr 2, 2018 Apr/May/June	Qtr 3, 2018 Jul/Aug/Sep	Qtr 4, 2018 Oct/Nov/Dec	Qtr 1, 2019 Jan/Feb/Mar	Qtr 2, 2019 Apr/May/June	Qtr 3, 2019 Jul/Aug/Sep	Qtr 4, 2019 Oct/Nov/Dec	Qtr 1, 2020 Jan/Feb/Mar	Qtr 2, 2020 Apr/May/June	Qtr 3, 2020 Jul/Aug/Sep	Qtr 4, 2020 Oct/Nov/Dec	Qtr 1, 2021 Jan/Feb/Mar	Qtr 2, 2021 Apr/May/June	Qtr 3, 2021 Jul/Aug/Sep	Qtr 4, 2021 Oct/Nov/Dec	Qtr 1, 2022 Jan/Feb/Mar	Qtr 2, 2022 Apr/May/June	Qtr 3, 2022 Jul/Aug/Sep	Qtr 4, 2022 Oct/Nov/Dec						
1	PHASE 5 A-D	1495 days?	Thu 12/1/16	Wed 8/24/22	◆																														
2	Planning and Conceptual Design	6 days	Thu 12/1/16	Thu 12/8/16	◆																														
4	Permitting	474 days	Fri 12/9/16	Wed 10/3/18	◆																														
11	Easements and Land Acquisition	642 days	Mon 4/3/17	Tue 9/17/19	◆																														
16	Bidding and Contracts	50 days	Wed 1/1/20	Tue 3/10/20	◆																														
21	Construction	503 days	Mon 9/21/20	Wed 8/24/22	◆																														
40																																			
41																																			

Project: 00044	Milestone	◆	Task		Planning and Conceptual Design		Permitting		Easements and Land Acquisitions	
Date: Mon 9/27/21	Critical Task	★	Project Duration		Final Design and Construction Documents		Bidding and Contract		Construction	

OSCAR FRAZIER PARK
PROPOSED SCHEDULE

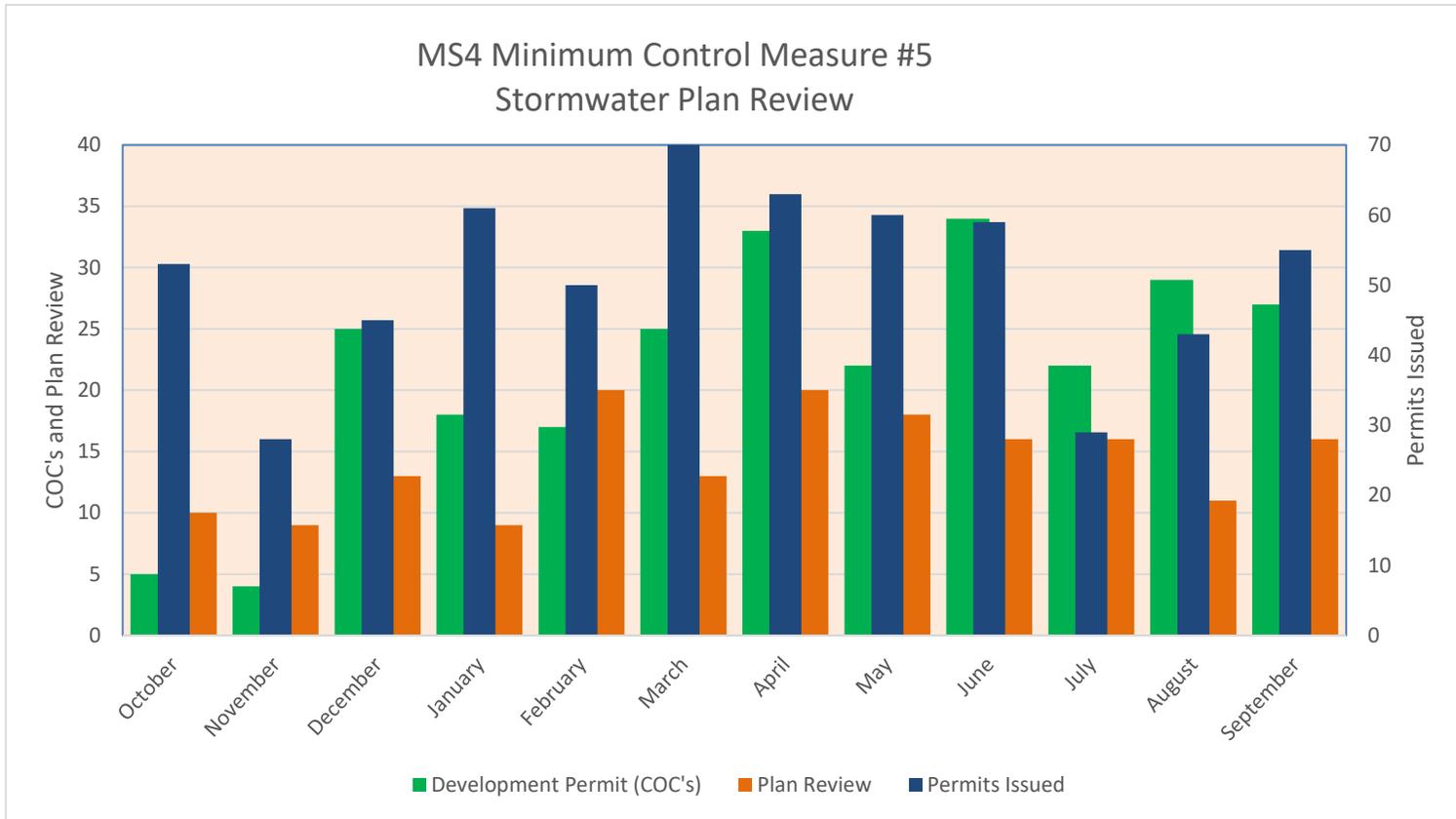
ID	Task Name	Duration	Start	Finish	August 7/25 8/1 8/8 8/15 8/22 8/29	September 9/5 9/12 9/19 9/26	October 10/3 10/10 10/17 10/24	November 10/31 11/7 11/14 11/21 11/28	December 12/5 12/12 12/19 12/26	January 1/2 1/9 1/16 1/23 1/30	February 2/6 2/13 2/20 2/27	March 3/6 3/13 3/20 3/27	April 4/3 4/10 4/17 4/24				
1	OSCAR FRAZIER PARK FY 22 IMPROVEMENTS	120 days	Mon 7/26/21	Fri 1/7/22	◆												
2	Final Planning and Construction Documents	60 days	Mon 7/26/21	Fri 10/15/21	◆												
8	Bidding and Contracts	41 days	Mon 10/18/21	Mon 12/13/21	◆												
15	Construction	101 days	Mon 11/15/21	Mon 4/4/22	◆												

Project 00066 Mon 9/27/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

WHARF STREET LIGHTING
PROPOSED SCHEDULE

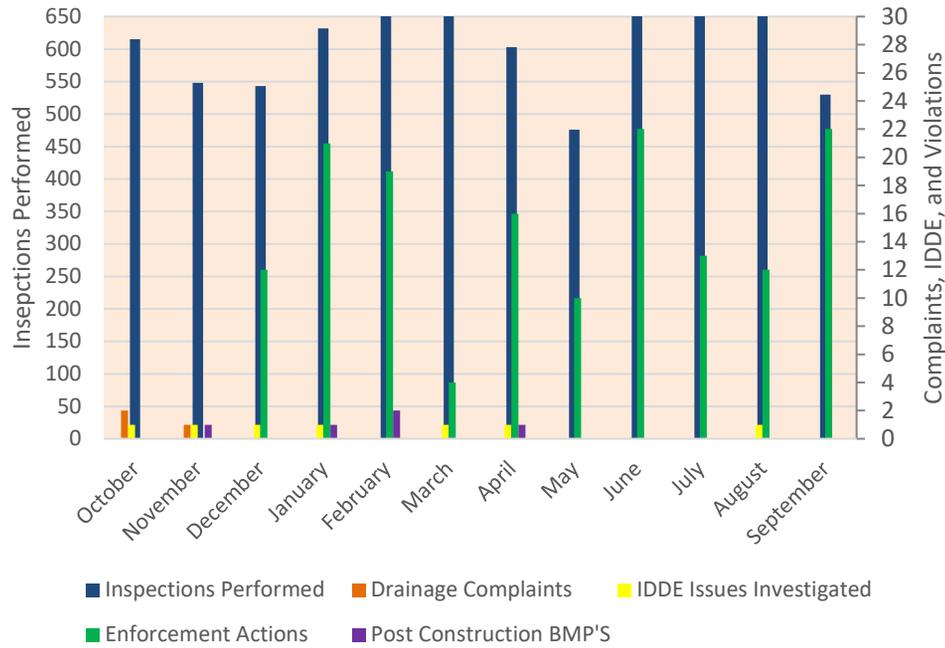
ID	Task Name	Duration	Start	Predecessor	2022												2023											
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
1	WARF STREET LIGHTING	453 days	Mon 7/5/21		◆																							
2	Planning and Conceptual Design	360 days	Mon 7/5/21		◆																							
12	Permitting	90 days	Mon 11/22/21		◆																							
14	Easements and Land Acquisition	160 days	Fri 7/1/22		◆																							
17	Construction	192 days	Tue 7/5/22		◆																							

Project: 00068 Date: Mon 9/27/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contract	◆		



TYPE	October	November	December	January	February	March	April	May	June	July	August	September	Last 12 Months
Development Permit (COC's)	5	4	25	18	17	25	33	22	34	22	29	27	261
Plan Review	10	9	13	9	20	13	20	18	16	16	11	16	171
Permits Issued	53	28	45	61	50	75	63	60	59	29	43	55	621

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	October	November	December	January	February	March	April	May	June	July	August	September	Last 12 Months
Inspections Performed	615	548	543	632	724	794	603	476	743	662	654	530	7524
Drainage Complaints	2	1	0	0	0	0	0	0	0	0	0	0	3
IDDE Issues Investigated	1	1	1	1	0	1	1	0	0	0	1	0	7
Enforcement Actions	0	0	12	21	19	4	16	10	22	13	12	22	151
Post Construction BMP'S	-	1	0	1	2	0	1	0	0	0	0	0	9

Lowcountry Stormwater Partners (LSP) Monthly Report
9/01/21 – 10/01/21

Completed Stormwater Outreach/Involvement Activities:

- Sea Island Rotary Club presentation
 - Covered topics such as stormwater runoff, BMPs, and behavior changes
 - 9/28/21, 42, online
- Shrimp Fest
 - Will provide enviroscape demonstration, educational handouts, and LSP merchandise
 - 10/02/21, in person, 100+

Ongoing Stormwater Outreach/Involvement Activities:

- Rain Barrel Sale
 - Ongoing, 17 already sold, 16 left, [website](#)
- Septic System Resources
 - The sub-committee drafted four factsheets which are currently undergoing the peer-review process.
- Direct Contacts
 - During this time frame, I helped three (3) individuals who directly contacted me. Two clients had a question about ponds and one had a question about flooding
 - 3, phone calls and a site visit
- 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:

- 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
- Kids in Kayaks
 - 10/14/21
- Buffer Workshop
 - 10/19/21, online
- 2021 Beaufort Area Stormwater Pond Conference
 - 10/26-28/21, hybrid
- Mossy Oaks Rain Garden Workshop
 - 11/6/21, hybrid
- Septic media campaign
 - November, social media, will coincide with additional septic webinar (date TBD)
- 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
- Construction Site Social Media Campaign
 - December

- 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
- Soil sample post cards and placards for retailers
- Soil sample bag distribution
- Promotional seed packet
- Native plant distributor list
- Native plant signage
- 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: October 6th, 2021

To: Stormwater Management Utility Board

From: Katie Herrera, Stormwater Manager

Re: **Maintenance Project Report**

The project summaries for September and October 2021 will be provided in the November 2021 Board Packet.



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, November 10th, 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. PRESENTATION
 - A. USCB Research in the May River - Dr. Eric Montie
5. 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 – Julianna Corbin ([backup](#))
 - E. Upcoming Professional Contracts Report – Julianna Corbin ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera ([backup](#))
 - I. Staff Update – Katie Herrera ([backup](#))
 - J. Maintenance Projects Report – Matthew Rausch ([backup](#))
 - K. Liaison Report - Ms. Alice Howard
6. UNFINISHED BUSINESS
7. NEW BUSINESS
 - A. 2022 Stormwater Utility Board Schedule
8. PUBLIC COMMENT
9. NEXT MEETING AGENDA
 - A. Wednesday, January 19th, 2022 ([backup](#))
10. ADJOURNMENT