



**Beaufort County Stormwater Utility  
120 Shanklin Road  
Beaufort, South Carolina 29906  
Voice (843) 255-2805**

July 8, 2024

Stormwater Utility Board Packet

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June 2024

### Utility Update

1. 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 – Not Received.
  - b. Town of Hilton Head Island – Received.
  - c. Town of Bluffton – Not Received.
  - d. Town of Port Royal – Not Received.
  - e. City of Beaufort – Not Received.
2. Staff is working with Woolpert on a scope to review and provide recommendations for an updated Stormwater Utility Fee for TY2025. The 5-year rate structure was adopted for an additional year for TY2024.
3. SoLoCo Technical Subcommittee meeting was held on June 28<sup>th</sup> to discuss updates to the manual. Draft response to those comments to be provided back to engineers and public for additional comment before bringing to SWUB members for review and approval.
4. Special Presentations
  - a. October Meeting – Courtney Kimmel, Port Royal Sound Foundation
  - b. December Meeting – TBD, possibly Charlie Sullivan with WaPro.
5. Budget concurrence letters have all been received for FY25.
6. Tax Year 2024 SWU Credit letters have all been mailed out. Deadline for providing back to Stormwater Manager is July 31<sup>st</sup>.

### Monitoring Update

1. [See attached report.](#)

### Stormwater Implementation Committee (SWIC) Report

1. Staff provided an updated FY25 SWIC memo on 4/23/24. A presentation by Woolpert on the proposed tax run changes was held for all municipal partners on 5/7/24.

### Regional Coordination

1. Old Woodlands
  - a. Report is being reviewed in preparation to go out to bid.
2. Alljoy
  - a. Public meeting to talk about the Stormwater Drainage study on 7/10 at 6pm. Stormwater Infrastructure staff will be back in the area the week of 7/8.

### Municipal Reports

1. Town of Hilton Head Island (From Jeff Netzinger, Stormwater Manager and Jacob Terry, MS4 Coordinator)
  - i. No information was available at time of report.
2. Town of Bluffton (From Kim Jones, Watershed Management Division Director)

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- 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.

### **Stormwater Related Projects**

- 1. Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easement acquisitions.
- 2. Complaints – Staff continually works numerous drainage related complaints each month.
  - a. Shell Point Community
    - 1. Bid for project closes on 7/10. Staff will review and provide recommendation for contract approval at the August PFC meeting.
    - 2. Staff waiting on approval of Senatorial earmark request through Lindsey Graham’s office.
    - 3. Staff have been working with SCEMD staff to provide updated cost estimate information for the project.
- 3. Factory Creek Watershed Regional Detention Basin “Phase II” – Staff continue to work with Attorneys to bring to close.
- 4. On Call Stormwater infrastructure services – J.H. Hiers
  - a) Tuxedo Park – Staff to get task order approval at the August PFC meeting, followed by County Council in early September.
- 5. Arthur Horne Park- USDA staff writing Scope of Work for review and approval to obtain a federal contractor to begin design work.

### **Professional Contracts Report**

- 1. Stormwater engineering consulting services – Woolpert
  - a) TO #1 – Plan Review
  - b) TO #2 – Continuous monitoring station O&M. Beaufort County will be collaborating with DNR, Port Royal Sound Foundation and other local MS4s to analyze the best location for the next continuous monitoring station installation. Allocated funds - \$94,589.73
  - c) TO #3 Tax Run
  - d) GIS back to handling aerial flyovers through internal contract

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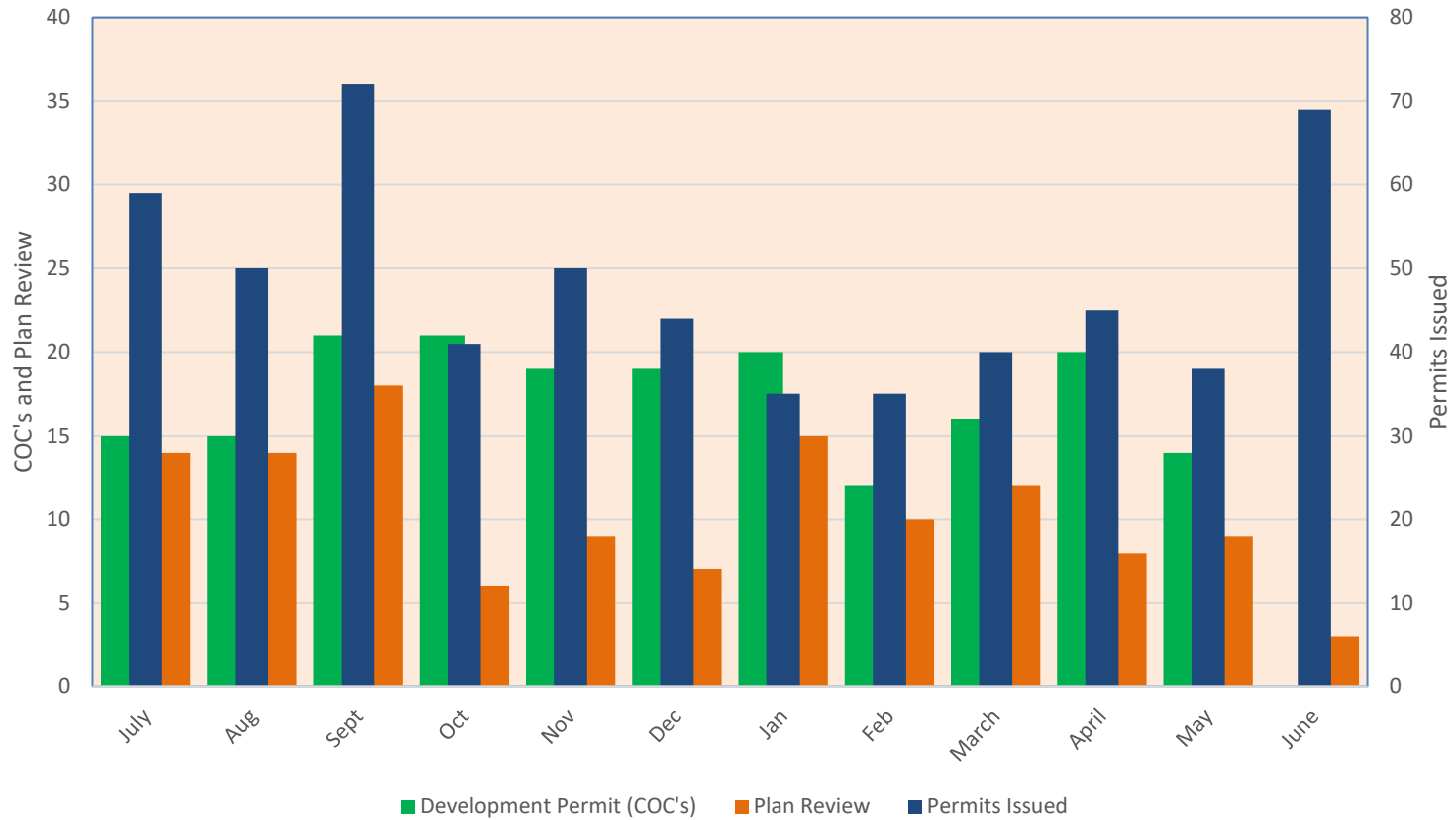
**MS4 Report**

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. Public Education – [See attached report.](#)
5. MS4 Statewide General permit – EPA has provided comments to SCDOT’s MS4 permit.

**Staff Update**

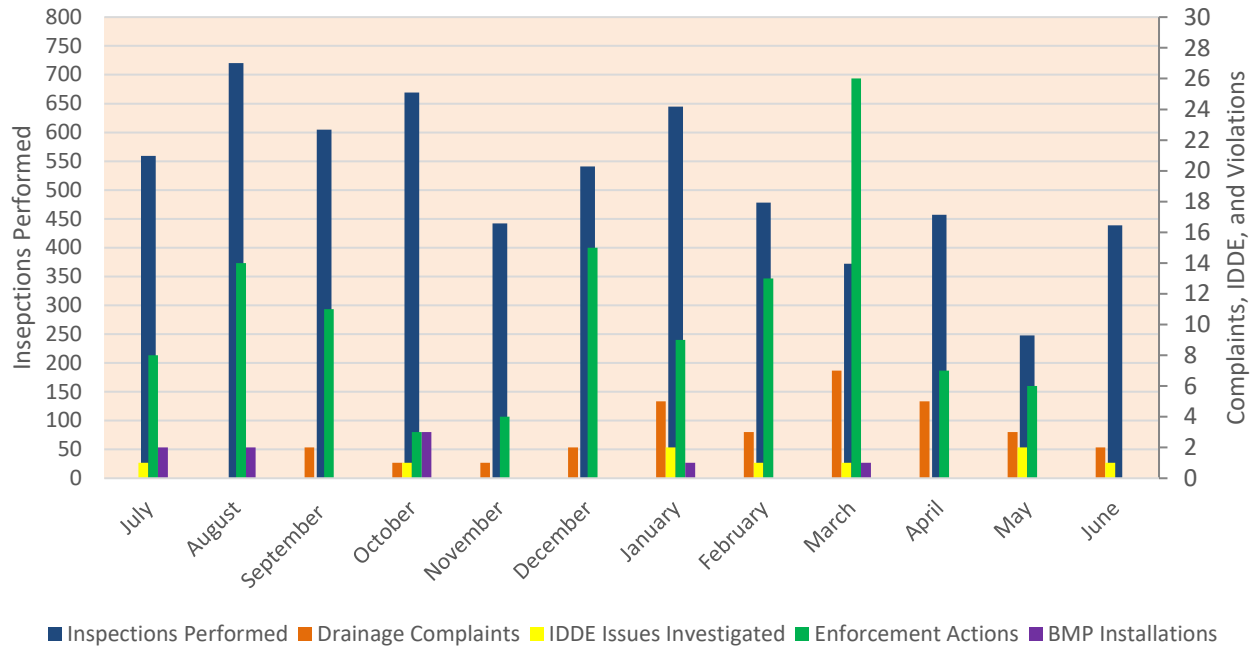
1. I would like to personally thank all members of the Stormwater team for all of their hard work in Fiscal Year 2024. It is a thankless job to do what everyone on our team does day in and day out in service of the Community. Without all members of Stephen Carter’s team, no work would be completed. Without Johanna and Dafiney, reports would not be completed, and management staff would be in a serious hole. Without Tammy, the financial aspect of our program would overwhelm even the most seasoned staff. Without Taylor and her team, the County would be out of compliance with its permit. As we move into Fiscal Year 2025, there is no break, and in fact, the work load speeds up. From the CWI reports to municipalities, the tax run, issuing new contracts and purchase orders, without the amazing members of the Stormwater team, this program would come to a screeching halt. Thank you to everyone who keeps the second largest section of Public Works running as efficiently as it does. With Humble Appreciation – Katie

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



TYPE	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	Last 12 Months
Development Permit (COC's)	15	15	21	21	19	19	20	12	16	20	14	0	192
Plan Review	14	14	18	6	9	7	15	10	12	8	9	3	125
Permits Issued	59	50	72	41	50	44	35	35	40	45	38	69	578

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



TYPE	July	August	September	October	November	December	January	February	March	April	May	June	Last 12 Months
Inspections Performed	559	720	605	669	442	541	645	478	372	457	248	439	6175
Drainage Complaints	0	0	2	1	1	2	5	3	7	5	3	2	31
IDDE Issues Investigated	1	0	0	1	0	0	2	1	1	0	2	1	9
Enforcement Actions	8	14	11	3	4	15	9	13	26	7	6	0	116
BMP Installations	2	2	0	3	0	0	1	0	1	0	0	0	9

## USCB Water Quality Lab Update June 2024

### Beaufort County

**USCB/Beaufort County Contract MOU:** A contract is in place as of 6/7/22 with an expiration of 5 years on 6/6/27.

**Monitoring for 2023** includes monitoring for the following categories:

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:** Second quarter sampling completed. All dry and wet weather samples were collected.

### Town of Bluffton

**USCB/Town of Bluffton MOU:** A contract is in place between the Town of Bluffton and USCB with a duration of five years (6/30/2028).

**Monitoring for 2024** includes monitoring for the following categories: MS4, TMDL, Monthly, CIP, MRWAP and shared locations, along with sample collection for Bridge Street sites for wet weather. **Status:** Monitoring continues with additional sampling sites and increased frequency of 2X a month.

### USCB Water Quality Laboratory

The job search to hire a Lab Manager continues. The position description was rewritten and reposted on June 14<sup>th</sup>. Hamp Simkins is no longer on FMLA and no longer with the lab. Lauryn Carrington is no longer a full-time assistant. Her last day was June 6<sup>th</sup>. She is beginning graduate school at the College of Charleston in August! Tyler Hassig continues as a part-time assistant and is responsible for Beaufort County sampling and sample analyses, along with the Town of Bluffton sample analyses. Dr. Pettay is also assisting with sampling and processing as needed.

## Lowcountry Stormwater Partners Monthly Report

January 2024

Program	Program Year	Progress	Date Completed	Impact
Promote the dog poop pledge during at least three (3) festivals.	2024	Complete	4/20/24 4/24/24 4/28/24 5/4/24 6/29/24	104
Ensure there are a minimum of three (3) dog poop pledge sign-up areas outside of festivals, such as environmental education offices, public parks, animal shelters, and/or vet offices.	2024	In progress <i>One in the Beaufort Clemson Extension Office (complete)</i> <i>One in Soil and Water Conservation District (complete)</i> <i>One in Hunting Island State Park (will be completed July 2024)</i>		50
Distribute the dog poop infographic and dog poop bags to partners and private citizens upon request and at applicable events with the understanding that attendees will receive these items after signing the dog poop pledge.	2024	Ongoing		20
Print a minimum of one dog poop or dog poop pledge sign and distribute to partners who wish to receive them annually. Print additional dog poop or dog poop pledge signage for partner use upon request.	2024	In progress <i>Awaiting delivery</i>		
Should timing and multiple schedules allow, film and broadcast a dog poop pledge promo video for the County Channel and/or Gas Station TV.	2024			
Assess the possibility of local digital billboards with messaging stressing the connection between dog poop and bacterial pollution.	2024	In progress		
Provide a minimum of three (3) Enviroscene demonstrations.	2024	Complete	3/25/24 4/25/24 4/28/24 4/30/24 5/29/24	102
Provide the “Be Septic Safe: A User’s Guide to Taking Care of Business,” the Be Septic Safe factsheets, and the Be Septic Safe website sticker/magnet (which includes automatic septic maintenance reminder emails) upon request and at all Be Septic Safe workshops.	2024	Complete		
Distribute Be Septic Safe materials at one (1) festival.	2024	Complete <i>Will also be present at Shrimp Fest, Keep Broad Creek Beautiful Festival, and OktoPRFest</i>	6/29/24 (PRSF Maritime Days)	104



Participate in US EPA's Be Septic Smart Week annually through actions such as social media campaigns, newspaper articles, Be Septic Safe material giveaways, and/or webinars/workshops.	2024	In progress <i>Occurs in September</i>		
Host a Be Septic Safe workshop or webinar.	2024	In progress <i>Scheduling</i>		
Create a Be Septic Safe rack card. Distribute it at subsequent Be Septic Safe workshops and upon request.	2024	In progress		
Create a Be Septic Safe door hanger. Distribute it at subsequent Be Septic Safe workshops to County/Municipal Inspectors who will give them to the target audience, to willing septic system contractors who will give them to the target audience, and upon request.	2024	In progress		
Continue to provide and promote Clemson's CEPSCI, CSPR, and Post-Construction BMP Inspector courses.	2024	Complete		
Create an LSP-specific version of the Clemson Extension Lot Erosion rack card and SC DOT booklet and distribute them at subsequent Silt Fence and Beyond workshops, at applicable events, to Municipal/County stormwater inspectors who will give them to the target audience, and upon request.	2024	In progress		
Provide the LSP River Buffer resource packet, Clemson HGIC shoreline factsheets, Life Along the Water's Edge book, and aquatic plant lists to the target audience during site visits, at applicable events and workshops, and upon request.	2024	Ongoing		
Create native plant seed mix packets and a Vegetated Buffer rack card for distribution to the target audience and partners upon request and at appropriate events.	2024	In progress <i>Evaluating available native seed mixes</i>		
Continue to provide and promote Clemson Extension's Master Pond Manager Course, Salt Marsh Short Course, Living Shorelines Program, and the Carolina Yards program.	2024	Complete	5/31/24	
Print a minimum of one vegetated buffer sign and distribute it to partners who wish to receive it annually. Print additional vegetative buffer signs for partner use upon request.	2024	Complete	6/28/24	1
Provide the BMP rack cards, BMP factsheets, Homeowners Guide to Rainwater Harvesting, the Guide to Rain Garden, and plant lists at applicable events such as the SCASM showcase and Hilton Head Homebuilder's Show and to professional organizations such as the Chamber of Commerce, Hilton Head Homebuilders Association, Southern Homebuilders, the	2024			

Economic Development Board to distribute to the target audience. Also, provide these materials upon partners' and target audience's request.				
Continue to provide and promote Clemson Extension's Master Pond Manager, Master Rain Gardener, Post-Construction BMP Inspector, Living Shoreline, and Salt Marsh Short Course.	2024	Complete <i>Present in the February + July Changing Tides Newsletter</i>		
Print a minimum of one LID sign and distribute it to partners who wish to receive it annually. Print additional LID signs for partner use upon request.	2024	Complete	6/28/24	2
Provide the BMP rack cards, BMP factsheets, Homeowners Guide to Rainwater Harvesting, the Guide to Rain Garden, and plant lists to the target audience during site visits, at applicable events and workshops, and upon request.	2024	Ongoing		
Host a local Cultivating a Carolina Yards Workshop.	2024	In progress <i>Scheduled for 8/15/24</i>	5/22/24	25
Host a Rain Barrel Sale.	2024	In progress <i>Scheduled for July-August</i>		
Host quarterly LSP Consortium meetings.	2024	In progress <i>Scheduled for 9/17/24, 11/19/24</i>	2/3/24 5/14/24	11
Publish the Changing Tides.	2024	In progress	2/8/24 3/15/24 5/16/24	165
Publish in The Island Packet.	2024	In progress	2/11/24 4/7/24	
Publish the LSP Annual Report.	2024	Complete	3/15/24	
Host four Adopt-A-Stream training workshops.	n/a	In-progress	2/10/24	9
Host a pond workshop.	n/a	Complete	1/29/24	200
Host a buffer workshop.	2025	Complete		65
Host a rain garden maintenance workshop.	2025	Complete	1/23/24	9
Presentation on Water Conservation, Sustainable Landscaping, and Carolina Yards to Preserve at Indigo Run Board		Complete	6/27/24	15
Maritime Days at PRSF		Complete	6/29/24	104

- Permit to operate issued from BJWSA.
  - Road crossing repaving is complete.
  - **Next Steps**
    - Finalizing installation of grinder pumps and house connections.
- 3. Historic District Sewer Extension Phases 4 through 6 – Lawrence, Green and Water Streets**
- Design for Phases 4, 5, & 6 were submitted to BJWSA for initial review.
  - **Next Step**
    - Incorporate BJWSA comments into final construction documents.
    - Construction implementation is pending permit and easement approvals.
- 4. May River Watershed Action Plan Impervious Restoration Water Quality Projects**
- Initial site investigations are complete for 8 of the 11 participating project sites.
  - Palmetto Pointe Towns, Lowcountry Community Church and Apartment One declined to participate in the Program at this time.
  - Geotechnical investigations and reports for each of the remaining 8 original have been completed. Began work to finalize Draft on Section 1 of 3, Fee-in-Lieu and Enterprise Fund establishment/administration. Meeting held with Consultant 6/12/24 to discuss/review status of these work elements.
  - Initial Property Owner contacts for the selected 15 Additional Sites within municipal limits have been made.
  - **Next Steps**
    - Preliminary Design of each of the 8 original sites based on geotechnical data and field walks has been initiated.

## **HISTORIC DISTRICT IMPROVEMENTS**

- 1. Boundary Street Lighting**
- Complete contract revisions with Dominion to install street lighting on the west side of Boundary Street.
  - **Next Steps**
    - Dominion to install street lighting in FY25.
- 2. Squire Pope Carriage House Preservation**
- The contract with Huss Inc. was executed and construction began on 1/16/23.
  - All exterior siding, windows and doors have been refinished and reinstalled. New roofing has been installed. Exterior painting is ongoing. Handicap ramp and handrails are installed. Exterior shutters are complete. Interior trim has been reinstalled. Floor refinishing has begun. Casework is installed. Interior painting is ongoing.
  - **Next Steps**
    - Obtain FY25 budget approval for Welcome Center and office upfit.
    - Landscape design is complete and planned to be installed summer 2024.

### 3. **Bridge Street Streetscape**

- Phase 1 completed.
- Initial Stakeholder meeting with Montessori and Hargray completed.
- **Next Steps**
  - Continue Phase 2 engineering design for SCDOT permitting.
  - Continue Phase 2 stakeholder meetings.
  - Close out Phase 1 with SCDOT.
  - Continue Phase 2 planning and design for underground power.

### 4. **Boundary Street Streetscape**

- Engineering Design is 70% complete and submitted to Watershed for stormwater initial review.
- Met with Dominion Energy on 5/17/23. Completion of underground conversion plans from Dominion Energy is subject to the Town obtaining easements for May River Transmission line and proposed switch gear locations.
- **Next Steps**
  - Continue with engineering design, underground power coordination, and permitting.
  - Prepare easement exhibits and begin appraisals in FY25.
  - Construction is to begin in 2025, subject to acquisition of all required easements.

### 5. **Calhoun Street Streetscape**

- Preliminary engineering design is 40% complete.
- Met with Dominion Energy on 5/17/23. Awaiting underground conversion plans from Dominion Energy.
- **Next Steps**
  - Continue negotiations with May River Road property owners for main transmission line easements. Once the main transmission line easements have been completed, then continue with engineering design into FY25.
  - Prepare easement acquisition plats for Phase 1 in FY25 and begin easement acquisition.
  - Phased construction is planned to begin in FY26 pending budget approval and acquisition of all required easements.

### 6. **Pathway Pedestrian Safety Improvements**

- Completed Historic District crosswalk study identifying and prioritizing future intersection/crosswalk improvements to meet ADA compliance.
- Phase 1 ADA sidewalk improvements along Goethe Road were completed on 1/23.
- Contract with ICE approved at 9/12/23 Town Council meeting.
- Finalized Phase 2 design plans.
- **Next Steps**
  - Follow up with property owners for Phase 2 easement acquisitions.
  - Finalize Phase 3 analysis.

## 7. Comprehensive Drainage Plan Improvements

- Heyward Cove Work Completed. MSA Task Authorization for individual Asset Owner reports identifying work, results and needed work finalized approved and work in progress.
- Consultant proposal for work on Crooked and Guerrard Coves finalized and MSA Task Authorization approved at the 4/9/2024 Town Council meeting.
- Public Notice concerning proposed consultant field work to identify and assess condition of stormwater assets in Crooked Cove and Guerrard Cove issued April 26, 2024.
- Consultant field work to identify and assess condition of stormwater assets in Crooked Cove and Guerrard Cove completed May 12, 2024.
- **Next Steps**
  - Compile field data from stormwater inventory and condition assessment.
  - Begin development of 2D Hydrologic/Hydraulic model.
  - Individual Stormwater Asset Reports for Heyward Cove identifying results and needed work by asset owner in progress.

## 8. Pritchard Street Drainage Improvements

- Project scope increased to include streetscape elements, pedestrian connectivity, street lighting and traffic calming evaluation. Growth Management and Stormwater Pre-Application meeting held 10/17/23. Updated 95% design received from consultant, design review complete, and comments discussed with consultant. Permit applications have been submitted. DRC Public Project was held 3/28/2024.
- Design Review meeting and field walk with consultant to discuss/review comments on 95% design submission held 5/30/24.
- **Next Steps**
  - Coordinate approval for proposed improvements with Beaufort County School District and Beaufort County on pool operation impacts.
  - Consultant addressing design and permit review comments for 100% design submittal.
  - Follow-up/complete permitting submissions and bid document formulation.
  - Identification of easement and street lighting needs.

## **PARK DEVELOPMENT**

### 1. Oyster Factory Park

- Civil construction and landscape of parking area is complete.
- Construction of the event area is complete. Punch list items to continue through June 2024.
- **Next Steps**
  - Prepare restroom expansion plans and pavilion repairs.

### 2. Oscar Frazier Park

- Rotary Center hardscape improvements complete.
- Executed contracts for design/build of the splash pad and associated landscaping.
- **Next Steps**

- Begin construction of Splash Pad in Summer 2024.

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

- Phase 2 Design is complete.
- JS Construction completed phase 1 site construction in November 2023.
- JS completed additional parking area phase two.
- JS installed hand holes at all future light locations for power and IT infrastructure.
- The contract has been executed with Nix Construction for Construction Manager at Risk Services with a GMP for Phase 2 (barn, restroom, playground, and common areas).
- Nix poured pavilion and future barn slabs.
- Nix has procured all future playground equipment.
- Playground drainage is almost complete.
- Sidewalks at playground area are almost complete.
- Restrooms are framed with roof sheathing installed.
- Rough-in plumbing and electrical at restrooms have started.
- Trellis structures have started at restroom areas.
- Well for future irrigation has been installed.
- **Next Steps**
  - JS to continue paver turn around areas.
  - Nix to start brickwork, siding, and roofing installation at restrooms.
  - Nix to start brickwork and construction at both playground pavilions.

### 4. **New Riverside Village**

- Partial order of site furnishings received.
- Trellis swing construction and installation of site furniture contract awarded.
- Lighting contract approved at 4/9/24 Town Council.
- Design plan approved by POA/Developer.
- Installed trellis swings, dog stations, trash cans and lighting conduit.
- **Next Steps**
  - Continue design of wayfinding signage plan.
  - Dominion light pole installation.
  - Rules sign submitted for approval at 7/9/24 Town Council meeting.

### 5. **Miscellaneous Park Improvements**

- Shade sail installation was completed at Buckwalter Place Park playground.
- **Next Steps**
  - Continue design of landscape and hardscape enhancements at various town parks in 2025.

### 6. **Buckwalter Place Park Improvements**

- Plans presented to Town Council on 1/16/24.
- Conceptual landscaping plan complete.

- Sabal palm installation complete.
- **Next Steps**
  - Finalize hardscape plans for FY25 scope.
  - Post lighting plan solicitation.
  - Continuing design, CDs of bathroom renovation.

## **TOWN FACILITIES AND MISCELLANEOUS PLANNING**

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

- **Next Steps**
  - Provide financial assistance to joint venture partner for planning, design and permitting of Affordable/Workforce Housing at 1095 May River Road.
  - PM staff to review progress and applications for payment.

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

- PD completed improvements to evidence room.
- PS to add AON system to HVAC.
- **Next Steps**
  - Begin design for FY25 construction of a possible storage of Public Service maintenance equipment, impound lot and canine facility.

### **3. Sarah Riley Hooks Cottage**

- Executed design contracts with Meadors Inc., JK Tiller and Shearlock Engineering for design services of the cottage restoration and site development.
- **Next Steps**
  - Complete design of cottage and grounds in calendar year 2024.
  - Begin restoration construction of cottage in FY25.
  - Begin landscape development construction in FY26.

### **4. Ghost Roads**

- Surveying and easement exhibits are complete.
- Bridge Street Quit Claim Deeds are complete. Pritchard and Colcock Streets Quit Claim Deeds are 99% complete. Staff is currently working with Lawrence, Lawton, Green, Pope, Allen, and Water Street property owners to obtain Quit Claim Deeds.
- **Next Steps**
  - Continue acquisition of remaining Quit Claim Deeds for Historic District Ghost Roads or initiate quiet title proceedings.

### **5. Document Management**

- RFP contract was awarded in March 2022.
- Electronic Document Management system is live.
- Documents for 6 departments have been transitioned to DMS.
- **Next Steps:**
  - Historical documents for the remaining departments will transition through FY26.

**6. Network Infrastructure**

- Replaced core switches at Town Hall and the Law Enforcement Center.
- Replaced two VMWare hosts for a more stable server environment.
- Migration of Munis and Energov systems to a hosted environment completed.
- Implemented Executime to replace Intime.
- **Next Steps:**
  - Replacing two more VMWare hosts.



## **WATERSHED MANAGEMENT UPDATE**

- 1. Stoney Creek/Palmetto Bluff Sewer Partnership**
  - 2022 updated cost-estimate for the project from BJWSA is \$7.2 million + contingencies. BJWSA is the Project Manager.
  - BJWSA awarded the RIA SCIPP grant in support of Stoney Creek/Palmetto Bluff Sewer Extension with BJWSA and Beaufort County.
  - Finalized IGA with Town, County, and grant splitting sewer extension costs and BJWSA funding water extension costs.
  - **Next Steps**
    - BJWSA continues with community outreach via their consultants and continues with design of the system.
  
- 2. 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**
  
- 3. May River Watershed Action Plan Implementation Summary - Attachment 2**
  - Staff continue to work with Water Environmental Consultants (WEC) to review continuous flow data from the Stoney Creek, Rose Dhu Creek, and Palmetto Bluff subwatersheds. WEC is reviewing continuous and intermittent flow data in real time. WEC provided recommendations on the Town’s water quality grab sampling program to ensure sufficient data for model calibration. Staff began implementing these recommendations on 7/31/23. The flow data monitoring review period ended in April 2024 and final reports are expected to be completed in FY25. Staff continue to implement grab sampling water quality program recommendations. WEC is expected to install a water elevation instrument in Palmetto Bluff for the Duck Pond subwatershed in July 2024. This instrument will collect water elevation data for a 6-month period.
  - The Town’s Calhoun Street Dock tidal elevation gauge was repaired and is recording tidal elevation data. Water Environmental Consultants (WEC) established two (2) additional tide gauges near the Stoney Creek and Rose Dhu Creek model boundaries as part of a 4-week headwaters tidal gauge study. The Calhoun Street dock and headwaters tidal elevation data will be used to establish a relationship between tidal amplitude and timing in the headwaters of the May River. A final report on the 4-week tidal gauge study is expected in FY25 with all other WEC flow monitoring final reports.
  - Staff sent a Wetlands Ordinance Expression of Interest (EOI) to current Master Service Agreement (MSA) firms to solicit input and evaluate additional needs for wetland and resiliency protections.
  - Staff met on 05/28/24 with Beaufort County Government and South Carolina Department of Natural Resources (SCDNR) personnel to discuss details of an Okatie River Baseline Assessment Update.
  - Staff met on 05/30/24 with Dr. Tye Pettay and University of South Carolina Beaufort (USCB) Water Quality Laboratory personnel to discuss conducting a statistical review of the Town’s water quality monitoring data. The objective of this review is to garner

a better understanding of the Town's water quality results and improve day-to-day management decisions.

- The Town and the College of Charleston executed a Memorandum of Agreement (MOA) to conduct the Resiliency Analysis. This analysis will include modeling storms and sea level rise throughout Town watersheds, a review of the Town's UDO, Municode, SC Code of Ordinances, and Stormwater Design Manual, and stakeholder engagement through surveys and events.
  - Staff met with SC Sea Grant and the College of Charleston to discuss the project on 06/03/24.
  - A Coastal Vulnerability Form was shared with Town Council, Senior Staff, Growth Management, Emergency Management, and Watershed Management staff on 06/14/24. Results from this survey will help drive the Town's scientific model to be developed as part of this analysis.
- Staff met with Furman University to discuss continued resiliency-related support for the Town on 06/04/24.
- Staff drafted a Comprehensive Water Quality Monitoring Program Plan. This document is currently under internal review prior to finalization.

#### 4. **Municipal Separate Storm Sewer System (MS4) Program Update**

- Staff are currently editing the Stormwater Management Plan with an anticipated date of 08/01/2024, for submittal to SCDHEC.
- Comments on the current Town of Bluffton Southern Lowcountry Stormwater Design Manual received during the public comment period have been reviewed, compiled and sent to a consultant for review beginning the week 6/17/24.

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

- The May River Watershed Action Plan Advisory Committee (WAPAC) meeting was held 06/27/24. - **Attachment 3**

#### 6. **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**
  - SC Department of Health and Environmental Control (SCDHEC) collects MST samples for the Town concurrently with their routine shellfish harvesting water quality sampling at stations 19-19, 19-19A, 19-19B, 19-19C, and 19-24. SCDHEC collected samples on 06/25/24. Results are pending. Pertinent water quality results will be shared with Town Council and Senior Staff via email.
- Illicit Discharge Investigations – **Attachment 4e**

#### 7. **MS4 MCM – #4 Construction Site Stormwater Runoff Control – Attachment 5**

#### 8. **MS4 MCM – #5 Stormwater Plan Review and Related Activity – Attachment 6**

#### 9. **MS4 MCM – #6 Good Housekeeping (Staff Training/Education)**

- Bill Baugher, Andrea Moreno, and Beth Lewis completed their Certified Stormwater Plan Reviewer (CSPR) recertification on 06/12/24.

**10. MS4 MCM – #6 Good Housekeeping (Ditch, Drainage and Roadside Maintenance)**

- Public Services performed weekly street sweeping on Calhoun Street, Highway 46, Bruin Road, May River Road, Pin Oak Street, and curbs and medians on Simonsville and Buck Island Roads.
- Performed ditch inspections.
  - Arrow ditch (2,569 LF)
  - Red Cedar ditch (966 LF)
  - Buck Island roadside ditch (15,926 LF)
  - Simonsville roadside ditch (13,792 LF)
- Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road, and Eagles Field.

**11. Citizen Drainage, Maintenance, and Inspections Concerns Map – Attachment 7**

**12. Citizen Request for Watershed Management Services & Activities – Attachment 8**

**Attachments**

1. SCDHEC Shellfish Harvesting Monitoring Data Year-to-Date
  - a. SCDHEC May River Shellfish Harvesting Status Exhibit
2. Quarterly Update – May River Watershed Action Plan Implementation Summary\*
3. MS4 Minimum Control Measures #1 and #2 – WAPAC Agenda 04/24/24
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. CIP Master Project Schedules

\* Attachment noted above includes the latest updates in red.

SCDHEC Shellfish Harvesting Monitoring Data Year-to-Date  
 May River Headwaters Shellfish Stations

	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2021	2022	2023	2024	2021	2022	2023	2024	2021	2022	2023	2024	2021	2022	2023	2024	2021	2022	2023	2024	2021	2022	2023	2024
	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)
December	79.0	33.0	33.0		49.0	49.0	33.0		4.5	17.0	7.8		17.0	49.0	13.0		6.8	6.8	7.8		7.8	13.0	17.0	
November	33.0	33.0	13.0		33.0	13.0	2.0		7.8	7.8	4.5		4.0	4.5	4.5		4.5	6.1	2.0		2.0	13.0	4.5	
October	49.0	23.0	33.0		26.0	46.0	23.0		13.0	13.0	17.0		23.0	23.0	33.0		23.0	11.0	2.0		17.0	14.0	6.8	
September	33.0	540.0	23.0		11.0	350.0	13.0		17.0	350.0	13.0		13.0	170.0	7.8		2.0	79.0	17.0		11.0	33.0	13.0	
August	49.0	23.0	23.0		49.0	23.0	49.0		23.0	11.0	6.8		49.0	13.0	13.0		14.0	17.0	23.0		14.0	11.0	2.0	
July	350.0	920.0	350.0		64.0	49.0	920.0		79.0	95.0	70.0		33.0	130.0	49.0		33.0	23.0	33.0		13.0	46.0	17.0	
June	49.0	13.0	14.0		79.0	4.5	7.8		13.0	11.0	23.0		17.0	2.0	13.0		22.0	1.8	33.0		2.0	9.3	13.0	
May	2.0	4.5	23.0	27.0	49.0	4.5	33.0	22.0	23.0	4.0	17.0	23.0	23.0	1.8	13.0	17.0	23.0	1.8	33.0	7.8	7.8	2.0	21.0	4.0
April	33.0	4.5	170.0	49.0	23.0	4.5	130.0	17.0	22.0	1.8	110.0	17.0	17.0	2.0	70.0	4.0	7.8	1.8	NS	11.0	2.0	1.8	7.8	23.0
March	33.0	33.0	23.0	49.0	11.0	23.0	49.0	31.0	17.0	2.0	17.0	11.0	13.0	4.5	17.0	4.5	2.0	2.0	17.0	22.0	2.0	2.0	17.0	4.5
February	79.0	23.0	540.0	49.0	70.0	31.0	350.0	49.0	79.0	17.0	240.0	11.0	23.0	22.0	240.0	22.0	7.8	2.0	33.0	7.8	6.8	11.0	33.0	11.0
January	17.0	49.0	33.0	49.0	17.0	22.0	33.0	23.0	13.0	33.0	13.0	4.5	23.0	7.8	33.0	4.5	17.0	7.8	7.8	7.8	7.8	7.8	4.5	2.0
** Truncated GeoMetric Mean	36.0	40.0	38.0	39.0	26.0	28.0	30.0	29.0	18.0	18.0	17.0	15.0	15.0	14.0	16.0	14.0	10.0	9.0	9.0	9.0	8.0	9.0	8.0	8.0
** Truncated 90th Percentile	139.0	192.0	211.0	205.0	69.0	91.0	152.0	160.0	58.0	72.0	77.0	77.0	39.0	54.0	71.0	76.0	35.0	41.0	44.0	38.0	33.0	32.0	26.0	28.0

NS = No Sample

**SCDHEC Regulatory Requirements:**

Geometric Mean ≤ 14

90th Percentile ≤ 43

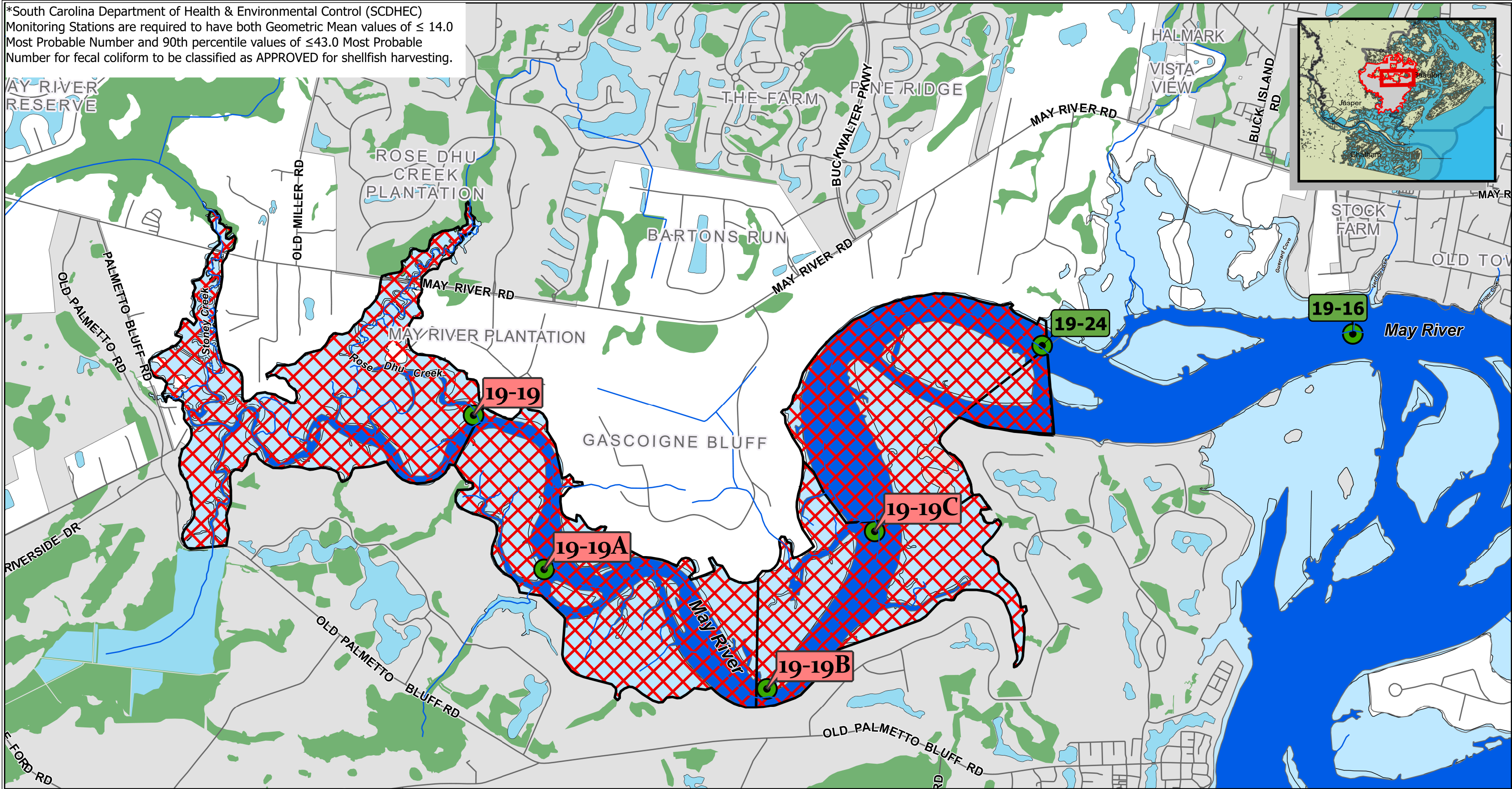
\*\* Town staff calculations utilizing SCDHEC statistics

Note:

December 2024 ends the data collection period for 2025 shellfish harvesting season.

2024 fecal coliform data is part of the 2025 classification data collection period.

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



SCDHEC Shellfish Monitoring Stations



Restricted  
2022/2023 Shellfish  
Season



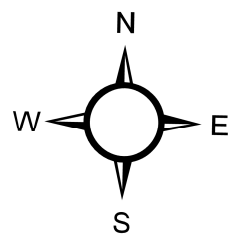
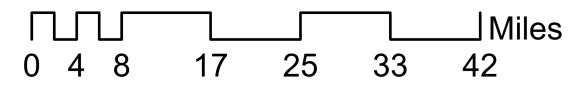
Open SCDHEC Shellfish  
Monitoring Stations



SCDHEC Shellfish Monitoring  
Station Classification Change

- Streets
- Drainage
- Town Jurisdiction
- County Jurisdiction
- Water
- Wetlands

**Town of Bluffton**  
Beaufort County, SC  
**SCDHEC SHELLFISH  
HARVESTING STATUS**



WAPAC Meeting Presentation  
May River Watershed Action Plan Update & Modeling Report  
Overview and Status  
Created: August 25, 2022  
Updated: May 23, 2024

## Overview

- May River Watershed Action Plan Update & Modeling Report **completed** November 2020.
- Town Council Adoption of May River Watershed Action Plan Update as a Supporting Document to the Comprehensive Plan **completed** February 2021.
- May River Watershed Action Plan Update & Modeling Report Summary:
  - **Executive Summary** provides an overview of the project background, findings and interpretation, current state of knowledge concerning fecal coliform fate and transport, and an overview of proposed recommendations for the Town.
  - **1.0 Introduction** includes more detailed project background including the purpose of the document and the Project Team’s tasks to 1) develop water quality models to compare current conditions (2018) to pre-shellfish impairment conditions (2002) to develop pollutant load reduction estimates, and 2) evaluate 2011 Action Plan BMPs for appropriateness under current conditions and provide up to eleven (11) alternative projects and preliminary cost estimates.
  - **2.0 Model Setup; 3.0 Model Calibration, and 4.0 Water Quality Model Results** details the methodology used by the Project Team to establish and calibrate the models and the model outputs. This highly technical information is necessary for future Water Quality (WQ) Model calibration and use for consistency.
  - **5.0 Recommendations** includes strategies to improve the Town’s monitoring efforts to calibrate the WQ Model further (§5.1), strategies and BMPs for bacteria reduction (§5.2), an evaluation of 2011 Action Plan BMP projects (§5.3), and methodology used to develop 2020 Action Plan Update recommended projects (four septic to sewer conversion projects and eleven stormwater BMP retrofit projects) with cost-estimates and ranking/prioritization (§5.4).
  - **6.0 Conclusions** offers a summary of the WQ Model results in context of current state of knowledge.
  - **7.0 References** documents the prior research findings used to inform recommendations.
  - **Appendices** reference supporting materials:
    - Montie et al. (2019) “Technical Report: Historical Analysis of Water quality, Climate Change Endpoints, and Monitoring in Natural Resources in the May River,”
    - Technical Memo from Dr. Rachel Noble,
    - Watershed Treatment Model Spreadsheets, and
    - Detailed Project Cost Estimate Spreadsheets.

## **MRWAP 2020 Update Septic to Sewer Project Recommendations/Evaluations:**

- Four (4) septic to sewer conversion projects were evaluated in the Rose Dhu Creek and Stoney Creek subwatersheds:
  - Cahill
  - Gascoigne
  - Stoney Creek
  - Pritchardville
  - These projects overlap with 42 subcatchments in the Stoney Creek watershed and 11 in Rose Dhu Creek. Based on WQ Model outputs, these projects alone may potentially reduce FC loading by  $3.46 \times 10^{13}$  FC per year.
- The estimated septic to sewer conversion costs of these projects is \$5.5 million.

### **Work Performed and Current Status as of August 25, 2022 Meeting**

Discussions with the Town, Beaufort County and BJWSA have been held about future Septic to Sewer Program projects identified above. Stoney Creek Septic to Sewer Project has been identified as the next priority project to pursue under the Septic to Sewer Program.

- The Town and Beaufort County are finalizing Funding and Cost share elements relative to the project and a letter to BJWSA will be developed and sent to BJWSA regarding project funding, capital outlay and schedule for implementation.

### **Update for WAPAC February 23, 2023 Meeting:**

The Town, Beaufort County and BJWSA continue to work on details to draft a proposed Inter-Governmental Agreement (IGA) to be presented to each respective approving authority for review, finalization, and approval. It is anticipated that this process is months away from final approval/adoption of the respective parties.

### **Update for WAPAC July 27, 2023 Meeting:**

**Stoney Creek/Palmetto Bluff Sewer:** Three-party agreement is being finalized by BJWSA legal team now. BJWSA's RFP for water and sewer design services was supposed to close 6/30/23. Due to RIA protocol, they must review and approve an RFP prior to posting, thus the RFP was canceled. BJWSA anticipates receiving RIA approval and reposting the RFP on 7/17/23. BJWSA received RIA approval and reposted the RFP on 7/17/23 with a closing of 8/1/23.

### **Update for WAPAC January 25, 2024 Meeting:**

**Stoney Creek/Palmetto Bluff Sewer:** All parties agreed to the IGA in October. The IGA will be presented to TC at the November TC meeting for review and approval. Beaufort County will present the IGA at their December meeting.

### **Update for WAPAC May 23, 2024 Meeting:**

**Stoney Creek/Palmetto Bluff Sewer:** BJWSA is the project manager. Foresight Communications, a marketing/communications group, first community engagement for the project is 5/13/24. A new BJWSA project manager has



**been assigned, Beth Lowther. Kim, Mark and Felicia met with Charlie Stone, BJWSA Gov't liaison, and Ashley Goodrich, BJWSA planner, on 5/6/24 to discuss how they might use 319 funding to support future sewer connections. Next partner meeting is 6/13/24 at 9:30am.**

## **MRWAP Update Eleven Impervious Restoration (stormwater retrofit) Project Recommendations/Evaluations:**

- Eleven (11) project sites (incorporating various individual BMPs) were selected in consultation with the Town (prioritizing subcatchments with FC bacteria hotspot and/or large impervious areas). These sites were evaluated in terms of the potential benefits gained by retrofitting to meet the 95th percentile storm retention, to the maximum extent possible, under the proposed Impervious Area Restoration/Stormwater Retrofit Program.

Eleven (11) proposed project sites Rose Dhu Creek (6 projects) and Stoney Creek (5 projects):

- Bluffton Early Learning Center (BELC)
- Boys and Girls Club of Bluffton (BGC)
- Benton House (BH)
- Bluffton High School (BHS)
- Buckwalter Recreation Center (BRC)
- Lowcountry Community Church (LCC)
- McCracken Middle School/Bluffton Elementary School (MMSBES)
- May River High School
- One Hampton Lake Apartments (OHLA)
- Pritchardville Elementary School (PES)
- Palmetto Pointe Townes (PPT)
- Based on WQ Model outputs, these projects alone may potentially reduce FC loading by
  - $2.99 \times 10^{14}$  FC reduction for the Full SWRv (entire sub-basin drainage area catchment).
  - $2.53 \times 10^{14}$  FC reduction for the Reduced SWRv projects (impervious area drainage area of sub-basin catchment).
- The estimated of Full SWRv projects costs is \$32.7 million and the estimated cost of Reduced SWRv projects is \$22.6 million.
- Currently the Towns' Impervious Restoration Program is targeting Reduced SWRv for future projects.

**Example** of Impervious Restoration Project evaluation from May River Watershed Action Plan Update & Modeling Report:



Figure 52. McCracken Middle School/Bluffton Elementary School Proposed Stormwater BMP Retrofits

**Work Performed and Current Status as of August 25, 2022 Meeting**

**Update for WAPAC February 23, 2023 Meeting:**

**Update for WAPAC July 27, 2023 Meeting:**

Work performed for this project is being performed by MSA Consultant Engineering Firm:

- Drafted a detailed scope of work for Engineering Consultant Firm review and cost proposal (Expression of Interest) regarding performance of the work elements presented herein and related to MRWAP Update recommendations for implementation.
- The Expression of Interest was submitted to 3 consultant firms under existing Master Service Agreements with the Town for review and a request for response.
- All 3 Firms responded and their respective responses were evaluated, scored and discussed internally.
- A recommendation for Award was made and the Consulting Firm of Goodwyn, Mills and Cawood selected.
  - Phase I of this work performed under existing FY 22 funding from Watershed Management Division.
  - Phase II of this work be presented for Town Council review and approval in the August 2022 Town Council Meeting and FY23 funding.

**Update for WAPAC February 23, 2023 Meeting:**

Phase II work was approved by Town Council and work has been initiated and reported herein. **This Task Completed**

**Task 1 :** MRWAP Update 11 site locations

**Update for WAPAC July 27, 2023 Meeting:**

**Update for WAPAC January 25, 2024 Meeting:**

Eleven (11) proposed project sites Rose Dhu Creek (6 projects) and Stoney Creek (5 projects):  
**Yellow** and **Blue** highlight indicates **geotechnical evaluations complete**.

- **Bluffton Early Learning Center (BELC)**. Participating in preliminary design development phase.
- **Boys and Girls Club of Bluffton (BGC)**. Participating in preliminary design development phase.
- **Benton House (BH)**. Participating in preliminary design development phase.
- **Bluffton High School (BHS)**. Participating in preliminary design development phase.
- **Buckwalter Recreation Center (BRC)**. Participating in preliminary design development phase.
- ~~Lowcountry Community Church (LCC)~~. *Declined to Participate.*
- **McCracken Middle School/Bluffton Elementary School (MMSBES)**. Participating in preliminary design development phase.
- **May River High School**. Participating in preliminary design development phase.
- ~~One Hampton Lake Apartments (OHLA)~~. *Declined to Participate.*
- **Pritchardville Elementary School (PES)**. Participating in preliminary design development phase.
- ~~Palmetto Pointe Townes (PPT)~~. *Declined to Participate.*
- Evaluate 11 sites and proposed BMPs. **Complete.**
- Update concept plans for 11 sites based on site evaluations, recommendations and discussions. **Complete.**
- Perform geotechnical evaluations at each site at locations related to BMP locations of updated concept plans. **Completed for the 5 school sites.** Geotechnical evaluations for the remaining **3** participating partner sites are being schedule based on recent property owner participation status being known/confirmed.  
Coordinating geotechnical work approval with property owners and schedule for Benton House (BH), Buckwalter Recreation Center (BRC) and Boys and Girls Club of Bluffton (BGC). Geotechnical field work for Benton House (BH), Buckwalter Recreation Center (BRC) and Boys and Girls Club of Bluffton (BGC) completed and data being analyzed and geotechnical report in development.  
**All geotechnical work and reports completed.**
- Refine updated concepts and use for presentations to Property Owner to discuss Impervious Restoration Program goals, objectives and gain support for Program and their participation.

Based on geotechnical investigation results, updated Concept plans for the 5 school sites have been refined. A meeting will be scheduled with School District to discuss the **updated** concept plans to get their feedback prior to beginning Preliminary Design task. Based on geotechnical investigation results, updated Concept plans for Benton House (BH), Buckwalter Recreation Center (BRC) and Boys and Girls Club of Bluffton (BGC) sites will be refined. A meeting will be scheduled with School District to discuss the updated concept plans to get their feedback prior to beginning Preliminary Design task.

**Field review meetings held March 28 and April 15, 2024 at each of the 9 participating sites. Meeting outcome was to review proposed BMPs and location to assess and rank BMP feasibility and cost/benefit. Based on discussions and field review Preliminary Design has been initiated.**

- Develop list of “incentives” to secure Property Owner participation (**see Policy Document Formulation below**).
- Based on geotechnical information and Property Owner feedback further refine concept plans to Preliminary Design :
  - Determine BMP types and location to maximize SWRv/WQ treatment in cost effective approach. **Estimated impervious area treated and SWrv capture based on refined Concept plans developed for the 5 school sites.**
  - Determine estimated pollutant load reductions.
  - Develop site specific BMP details.
  - Develop preliminary BMP maintenance schedule and cost for each site.
- Preliminary Design development plans will be presented to the Property Owner for review and discussion. Other Restoration Program details (maintenance responsibilities, easements, incentives, etc.) developed as part of the Program (see Policy Document Formulation below) will also be discussed in hopes of establishing a commitment from the Property Owner to participate in the Program. Once a “commitment” is secured from the Property Owner, the project site will be moved to Final design, permitting, and ultimately construction. A meeting was held with School District on September 28, 2023 to discuss initial Preliminary Design development. Comments were noted and to be incorporated for final preliminary design plan development.

**Based on field review Preliminary Design has been initiated.**

**Task 2 :** Identify 15 new project sites for Town of Bluffton Impervious Restoration/BMP Retrofit Projects.

- The Town wishes to identify an additional 15 project sites located within the municipal limits of Bluffton for the Impervious Restoration/BMP Retrofit Program.. However, the criteria for site selection will be considered to be more “low hanging fruit” based on the following:
  - Within Town of Bluffton Municipal limits.
  - Soils – sandy soils with high infiltration rates offer the biggest bang for the buck for water quality treatment/improvement. Utilizing soil survey and other information target sites where infiltration can be maximized on-site.
  - Public or governmental agency land/property owner (not SCDOT RoW).

**Update for WAPAC February 23, 2023 Meeting:**

Desktop analysis and field work performed to develop a list of 45 sites that potentially meet the criteria above. This list of potential sites is under review/evaluation.

**Update for WAPAC July 27, 2023 Meeting:**

Finalized the list of 15 additional sites (and 5 alternates) to be considered/evaluated within the municipal limits of Bluffton for Impervious Restoration feasibility and concept plan development. Site evaluations will be performed as property owner approvals for access to property to perform site assessment is obtained.

**Update for WAPAC May 23, 2024 Meeting:**

Data search for these sites is ongoing in terms of existing plan information, current property owner and contacts.

**Yellow Highlight** indicate field investigations, drainage pattern evaluations and hand auger soil samples completed.

**Green Highlight** indicate contact made and coordination in process.

Initial concept plans are being developed for these sites for review. Other site evaluations will be performed as property owner approvals for access to property to perform site assessment is obtained.

- **Dominion Energy Engineering Office**
- **Rose Dhu Equestrian Center**
- **St. Gregory Catholic Church/School**
- **River Ridge Academy**
- **MC Riley Early Childhood Center**
- **MC Riley Elementary School**
- **MC Riley Sports Complex**
- **Bluffton Middle School**
- **Red Cedar Elementary School**
- ~~Seagrass Station Road Site~~ determined to be not feasible, low cost/benefit.
- **Bluffton Pkwy West (170 to Buckwalter)**
- **Buckwalter Pkwy (Hampton Hall to May River Road)**
- **Persimmon St/Sheridan Park Cir/Pennington Dr**
- **Vaden Nissan Hilton Head**
- ~~NHC Healthcare/Bluffton (Healthcare, Rehab, Assisted Living)~~ Declined to participate

## **Town of Bluffton Impervious Restoration/BMP Retrofit Policy Documents.**

**Task 3** : Section 5.4.4. Stormwater BMP Retrofit Projects of the May River Watershed Action Plan Update and Model Report identifies potential Impervious Restoration/BMP Retrofit projects located on Public and Private Land. As mentioned earlier, one of the primary site selection criteria, at time of report development, was to identify sites with large impervious areas so that pollutant load reductions could be estimated and the benefits of such projects on stormwater quality quantified/estimated, if implemented into construction. Generally, Public Funds are not expended to improve private property

nor is Town of Bluffton funding generally expended on Public Land owned by another government entity. In order for such projects identified in Section 5.4.4. to move forward in the interest of improved water quality and for the overall benefit and welfare of the constituents of the Town of Bluffton, Policy Documents need to be formulated that establishes the parameters of such a Program to be initiated and implemented.

- Policy Document Formulation has been initiated and includes research of similar Programs Nationwide.

**Update for WAPAC February 23, 2023 Meeting:**

2 *DRAFT* Policy Documents have been submitted for review and comment. Comments are being evaluated and addressed by consultant and an update *DRAFT* Policy Document is expected by April 2023.

**Update for WAPAC July 27, 2023 Meeting:**

- Updated Draft Policy Document was completed and submitted in June for review and comments are being finalized.
- Upon Policy Document Final Draft development, the Policy Document will be presented to WAPAC with a request for recommendation to Town Council for adoption.

**Update for WAPAC January 25, 2024 Meeting:**

- Internal review, discussion and comments of Updated Draft Policy Document was completed and submitted to Consultant September 10, 2023. Initial discussion of comments and path forward held November 3, 2023 with Consultant. Additional discussions with Consultant to be held.

**Update for WAPAC May 23, 2024 Meeting:**

- **Based on review of content of the updated *DRAFT* Policy Document, The Town directed the document be organized into the following categories:**
  - **Enterprise Fund & Fee-in-Lieu Program – work on this section has been initiated.**
  - **ToB CIP Project Impervious Restoration Program & incentives**
  - **ToB SWrv Credit Trading Program (under evaluation)**

## **Other, Related MRWAP Update Recommendations**

- Adopt proposed regional Southern Lowcountry Post Construction Stormwater Ordinance and Design Manual - **complete** September 2021.
- The Town should incorporate volume reduction BMPs (those that encourage infiltration) within existing and future CIP projects to the maximum extent practical, especially for project locations with well-drained soils (HSG A or B) – **in progress**, see below.
  - **Work Performed and Current Status as of August 25, 2022 Meeting**
    - Bridge Street Streetscape Project
      - Project design/permitting is complete, and Construction Contract has been awarded.

- Incorporated Infiltration BMPs within the project to capture and treat 1.95” of rainfall over impervious surfaces within the project area, prior to discharge into the May River.
- Received Section 319 Grant from DHEC to cost-share cost of construction of proposed BMPs.

**Update for WAPAC February 23, 2023 Meeting**

Construction was initiated by JS Construction in early December 2022. Construction considered 65% complete.

**Update for WAPAC July 27, 2023 Meeting:**

- Project work is Substantially Complete.
- Partial reimbursement from DHEC for construction cost supported by 319 Grant requested and received.

**Update for WAPAC January 25, 2024 Meeting**

- Project and Grant work is complete and closed out.
- Total Grant funding for this project \$228,165.15
- Water Quality Monitoring Results

**Water Quality Monitoring Summary:** Based on monitoring and rainfall data for the period of July 1-October 11, 2023, the only rainfall event that produced a stormwater outfall/discharge was an intense rain event on September 10, 2023 which produced 3.82” of rain in a 4 hour period. The next most intense storm happened on July 10, 2023 which produced 1.46” of rain in 1 hour and no stormwater outfall/discharge occurred. Based on this data, we estimate the BMP treatment train constructed with this project could accommodate a 10 year storm event (6.9” of rain in 24 hours) with little or zero runoff. Zero runoff equals zero pollutants, and zero freshwater being discharged to Huger Cove and the May River.

**From 319 Grant Project Final Report:** Pre-construction water quality monitoring was performed on October 19, 2022, which can be found in **Appendix C**. So, **prior to project construction** a simulated rain event was performed to provide an indication of the amount of rainfall prior to direct a discharge occurring into Heyward Cove and then water samples were collected and tested by USCB to determine pollutants present and their concentrations. The rainfall simulation was performed because there was no way to get a water sample once stormwater entered the BMP and was treated by BMP via infiltration into ground.

**Table 1** below is the Pre Construction Water Quality Monitoring Table of Pollutants:

Date	Time of Sample	TKN (mg/L)	Nitrate/Nitrite (mg/L)	Total Nitrogen (TN)	Total Phosphorus (TP)	TSS (mg/L)
10/19/2022	9:41	0.85	0.290	1.10	0.68	220.00

Three underground storage/infiltration and four pervious paver parking areas with underground storage were installed. After the completion of the BMPs, water quality monitoring was conducted to determine the reduction in pollutants with the newly installed BMPs. The installation of the Auto samplers were located at the two stormwater pipe outfalls into Heyward Cove, FES-1 and FES-2. Post-construction water

quality monitoring occurred on September 11, 2023, which can be found in **Appendix C**. Based off the post-construction pollutant values, all values analyzed were reduced greatly, including TSS.

**Table 2** below is the Post Construction Water Quality Monitoring Table of Reduced Pollutants:

Date	Time of Sample	TKN (mg/L)	Nitrate/Nitrite (mg/L)	Total Nitrogen (TN)	Total Phosphorus (TP)	TSS (mg/L)
9/11/2023	16:46	0.64	0.14	0.78	0.19	8.4

Rainfall monitoring took place between July 1, 2023, and October 11, 2023, at the Watershed Building Office, 1261 May River Road. There were eight rainstorm events that had over an inch of water in 24 hours. In particular, there was one rainstorm on September 10<sup>th</sup>, 2023, where there was 3.82 inches of rain over the extent of four hours. This was the only recorded rain event, during the monitoring period, which produced a discharge of stormwater runoff into outfall FES-2 at Heyward Cove.

**Table 3** below are the eight storm events over an inch.

Rainstorms over and inch	
Rainstorm Event	Rainfall (in)
July 5 <sup>th</sup>	1.46 inches over 1 hour
July 10 <sup>th</sup>	1.17 inches over 7 hours
July 28 <sup>th</sup>	1.28 inches over the whole day
August 28 <sup>th</sup>	1.23 inches over 1 hour
August 30 <sup>th</sup>	1.23 inches over the whole day
September 1 <sup>st</sup>	1.1 inches over 3 hours
September 10 <sup>th</sup>	3.82 inches over 4 hours
September 17 <sup>th</sup>	1.09 inches over 6.5 hours

**Table 4** shows the monthly rain mounts in inches, with October only accounting for the first eleven days of the month and then monitoring stopped.

Monthly Rain Amounts	
Month	Rainfall (in)
July	7.35
August	5.3
September	7.56
October*	0.0
TOTAL	20.21

\*only accounted for October 1 – October 11, 2023

There are many benefits that come from the constructed/installed stormwater best management practices, that include: 1) reducing the concentrations of pollutants that are associated with stormwater runoff, 2) the amount and frequency of direct stormwater/freshwater discharges into Heyward Cove has greatly reduced. and 3) temporarily detain large portions of the runoff volume and then release it a slower rate to decrease the amount of flooding on the roads. With the BMPs that were used for Bridge Street Streetscape, the BMP benefits include the decrease in TSS and other pollutants, but also retrofitting the existing area that had no prior stormwater management in the surrounding area.



**Update for WAPAC May 23, 2024 Meeting**

**No stormwater outfall condition has been observed since the September 10, 2023 rain event.**

- Pritchard Street Drainage Improvement Project
  - Project in Design Phase and considered 30% complete.
  - Incorporated Infiltration BMPs within the project to capture and treat 1.95” of rainfall over impervious surfaces within the project area, prior to discharge into Heyward Cove.
  - Submitted Section 319 Grant proposal to DHEC to cost-share cost of construction of proposed BMPs. Pre-proposal was accepted, and Full Proposal was requested by DHEC. Under Review.
  - **Update for WAPAC February 23, 2023 Meeting**
    - 70% design plan submitted, reviewed and comments presented to consultant.
    - 319 Grant was awarded by DHEC to the Town.
  - **Update for WAPAC July 27, 2023 Meeting:**
    - Project Scope of Work and budget increase approved for FY24 to include streetscape elements of lighting, sidewalk, traffic calming and ADA compliance.
    - Updated survey received.
    - Updated 70% design drawings received in July and under review.
  - **Update for WAPAC January 25, 2024 Meeting**
    - Updated 70% Streetscape Design submittal made and review comments provided to Consultant for 90% Design development and permit acquisitions.
    - Pre-Application meeting for Project held with Growth Management and Stormwater Management.
  - **Update for WAPAC May 23, 2024 Meeting**
    - **95% Design Submittal received February 29, 2024.**
    - **Public Project DRC meeting held April 3, 2024. Internal review comments completed and Design update in process.**
- In-House Microbial Source Tracking – in progress, see below
  - The Town entered a Memorandum of Understanding (MOU) with the University of South Carolina Beaufort (USCB) in July 2021 to establish and fund a regional Microbial Source Tracking (MST) laboratory capable of accepting environmental water quality samples.
  - Analytical services are provided by the USCB-MST laboratory for all environmental samples collected by the Town.
  - **Update for WAPAC February 23, 2023 Meeting** Staff has collected additional fecal samples needed for dog, bird, and deer. The USCB-MST Laboratory is conducting the

assessment on additional fecal samples and Dr. Pettay will provide a final report to the Town once all fecal markers in regional watersheds have been analyzed.

- **Update for WAPAC July 27, 2023 Meeting:** Additional genetic fecal markers continue to be analyzed by Dr. Pettay and the MST Laboratory.
- **Update for WAPAC January 25, 2024 Meeting:** Dr. Pettay is now the Lead Principal Investigator (PI) for both the MST and Water Quality Laboratories. Dr. Pettay, Town staff, and County staff met to discuss regional water quality monitoring needs. The MST Laboratory is still processing scat samples, and a final report is forthcoming.
- **Update for WAPAC May 23, 2024 Meeting: The MST Laboratory has finalized processing scat samples. Dr. Pettay will be providing a final report/update to the Town.**
- Future (new) Bacteria Monitoring Locations - in progress, see below
  - Staff increased sampling frequency and implemented additional monitoring sites and parameters in the May River headwaters based upon recommendations in the 2020 May River Watershed Action Plan Update and Model Report.
  - **Update for WAPAC February 23, 2023 Meeting:** Staff is collecting intermittent flow data at SonTek IQ sites in conjunction with grab FIB samples.
  - **Update for WAPAC July 27, 2023 Meeting:** Staff is working with the consultant to identify recommended strategies for intermittent flow data collection and a review of the Town's FIB grab sample schedule.
  - **Update for WAPAC January 25, Meeting:** Staff continues to collect MRWAP bacteria grab samples twice per month at fourteen (14) monitoring locations in the May River headwaters study area. Intermittent flow measurements are collected at six (6) of these monitoring locations at the time of grab sampling.
  - **Update for WAPAC May 23, Meeting: Staff continues to collect MRWAP bacteria grab samples twice per month at fourteen (14) monitoring locations in the May River headwaters study area. Intermittent flow measurements are collected at five (5) of these monitoring locations at the time of grab sampling. The goal has been to collect grab samples following wet weather conditions to the maximum extent practicable. WEC has further defined wet weather as samples collected within 24-hours of  $\geq 0.50$  inches of rainfall. All Town grab samples are analyzed by the USCB Water Quality Laboratory.**
- Future (new) Water Flow Monitoring Locations.
  - **Work Performed and Current Status as of August 25, 2022 Meeting**
    - The MRWAP Update included recommendations for the Town to perform certain rainfall and flow data measurements in May River Headwater Watersheds in order to "calibrate" and make more accurate Model predictions. These recommendations were evaluated and a game plan to address recommendations to calibrate model developed.
      - Utilizing existing flow and rainfall data collected over past years with rain gauges, IQ Plus and Sontek measuring instruments in Stoney Creek, Rose Dhu Creek, Palmetto Bluff, Duck Pond and Heyward Cove, the Town hired a consultant to review the data and determine:

- Useful data obtained to gain the required information to calibrate model.
  - The data obtained from Stoney Creek and Heyward Cove was deemed sufficient for Model calibration and Final report for this work is in process.
  - Duck Pond was deemed inconsequential, not needed due to drainage area size and proximity/outfall to tidal waters.

**Update for WAPAC February 23, 2023 Meeting**

- Consultant Final Report delivered, and Model Calibration Data for Stoney Creek and Heyward Cove identified.
- If data review resulted in insufficient data, develop a monitoring program that would produce the data needed.
  - Rose Dhu Creek and Palmetto Bluff flow data review resulted in data that was insufficient to calibrate Model.
  - Final report identifying recommended strategies to gain required data is in process.
  - Potential purchase of telemetry stations to equip continuous flow monitoring stations with real-time data access.

**Update for WAPAC February 23, 2023 Meeting**

- Final Report delivered. Based on recommendations of data and process needed, staff has procured needed telemetry station equipment and has hired a consultant to assist in getting the intermittent and continuous flow data and producing a Final Report. The fieldwork installation of equipment is scheduled. Once installed and operational, data collection will last 6 months.

**Update for WAPAC July 27, 2023 Meeting**

- The Town of Bluffton procured and installed two (2) SonTek Turnkey Systems that enable real-time continuous flow data review to a cloud-based service. These systems are deployed in the Rose Dhu Creek and Palmetto Bluff subwatersheds.
- A SonTek IQ remains deployed in the Stoney Creek subwatershed. The consultant's first data review determined there was sufficient flow data for model calibration in the Stoney Creek subwatershed. However, staff determined it would continue to collect continuous flow data at this location so that continuous flow, intermittent flow,

Updated: May 23, 2024

Next Update: September 26, 2024

bacteria samples, and rainfall data were collected for three (3) of the four (4) Modeling Report subwatersheds simultaneously.

- Consultant is reviewing data and identifying power, beam, or possible maintenance issues weekly.
- Intermittent flow measurements, utilizing the FlowTracker2, will be conducted at the time of grab sampling at the three (3) SonTek IQ flow stations beginning 7/31/23.

**Update for WAPAC January 25, 2024 Meeting:**

- Staff continue to operate and maintain three (3) SonTek IQ continuous flow monitoring stations in the May River headwaters. Staff expect these systems to be in place for approximately one (1) full year to account for seasonality.
- The Duck Pond subwatershed has no channelized flow entering or exiting the system. The Town's consultant suggested that the Town monitor water elevation in the Duck Pond for approximately 6 months to ensure water elevations are accurately depicted by future modeling. Staff has requested permission to site a water elevation logger in the Duck Pond, near or attached to the Palmetto Bluff bridge.
- Clarification from the consultant determined that due to limited staff time, intermittent flow measurements would be most valuable at six (6) of the Town's water quality monitoring locations upstream of the SonTek IQ flow stations.
- Staff is working diligently to collect samples following wet weather conditions which have been defined as  $\geq 0.50$  inches of rainfall within 24 hours of sampling. The USCB Water Quality Laboratory has been assisting the Town with ensuring samples can be analyzed on short notice.

**Update for WAPAC May 23, 2024 Meeting:**

- **Dr. Pettay continues as the Lead Principal Investigator (PI) for both the USCB-MST and Water Quality Laboratories. The MST Laboratory has finalized processing scat samples, and a final report is forthcoming.**

- **Staff continue to operate and maintain three (3) SonTek IQ continuous flow monitoring stations in the May River headwaters.**
  - In FY23, the Town and its consultant determined it did not have sufficient data for the Rose Dhu Creek and Palmetto Bluff subwatersheds for model calibration. In April 2023, the Rose Dhu Creek and Palmetto Bluff SonTek-IQ Plus instruments, were installed and/or upgraded with Turnkey/Cloud-based Systems.
  - The Stoney Creek subwatershed SonTek IQ-Plus has operated almost continuously for two (2) full years. In FY23, the Town understood it had enough quality continuous and intermittent flow data for this subwatershed, so the SonTek-IQ Plus instrument was not upgraded with Turnkey/Cloud-based Systems. However, staff continued with continuous flow data collection (downloading data manually) efforts in conjunction with the Rose Dhu Creek and Palmetto Bluff subwatersheds.
  - Water Environmental Consultants (WEC) has been conducting a weekly review of all continuous and intermittent flow data collected since The Town's Turnkey/Cloud-based Systems were implemented in April 2023. In April 2024, the one (1) full year of data collection ended. This data collection period allowed the Town to account for seasonality. WEC will provide final reports detailing these three (3) subwatersheds continuous and intermittent flow data for stormwater model calibration. These reports are expected to be received in FY25 for the Rose Dhu Creek, Stoney Creek, and Palmetto Bluff subwatersheds.
- The Duck Pond subwatershed has no channelized flow entering or exiting the system. The Town's consultant suggested that the Town monitor water elevation in the Duck Pond for approximately 6 months to ensure water elevations are accurately

depicted by future modeling. Staff has requested and received permission to site a water elevation logger in the Duck Pond, near or attached to the Palmetto Bluff bridge. This work is anticipated to commence July 2024 (Start of FY25).

- Staff are working diligently to collect samples following wet weather conditions which have been WEC further defined wet weather as samples collected within 24-hours of  $\geq 0.50$  inches of rainfall. The USCB Water Quality Laboratory has been assisting the Town with ensuring samples can be analyzed on short notice.
- The Town has been operating two (2) weather stations to collect local rainfall data in the May River Watershed. One weather station is located at the Town's Watershed Management Division Office and the other is located at the Town's Police Department Building. This data has been shared with WEC for inclusion in final reports.
- The Town collects tidal elevation data utilizing a HOBO-U20 at the Calhoun Street Dock in Bluffton. WEC deployed two (2) headwater tidal elevation instruments on docks near the Rose Dhu Creek and Stoney Creek subwatershed model boundaries. This study was conducted for a period of 4-weeks to establish the relationship between the tidal amplitude and timing in the headwaters of the May River and the long-term tide gauge operated by the Town at the Calhoun Street dock. The outcomes of this study will be included in WEC's final reports.



## **May River Watershed Action Plan Advisory Committee Meeting**

**Thursday, June 27, 2024 at 3:00 PM**

**Theodore D. Washington Municipal Building, Henry "Emmett" McCracken Jr. Council Chambers,  
20 Bridge Street, Bluffton, SC**

### **AGENDA**

**I. CALL TO ORDER**

**II. ROLL CALL**

**III. ADOPTION OF MINUTES**

1. Adoption of the March 28, 2024 Minutes
2. Adoption of the May 23, 2024 Minutes

**IV. PUBLIC COMMENT**

**V. NEW BUSINESS**

1. May River Watershed Action Plan Advisory Committee (WAPAC) Tour of the Phase I Bridge Street Streetscape Stormwater Best Management Practices (BMPs) - Dan Rybak, Project Manager

**VI. ADJOURNMENT**

**NEXT MEETING DATE: July 25th, 2024**

*“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. Auditory accommodations are available. 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.*

*Executive Session – The public body may vote to go into executive session for any item identified for action on the agenda.*

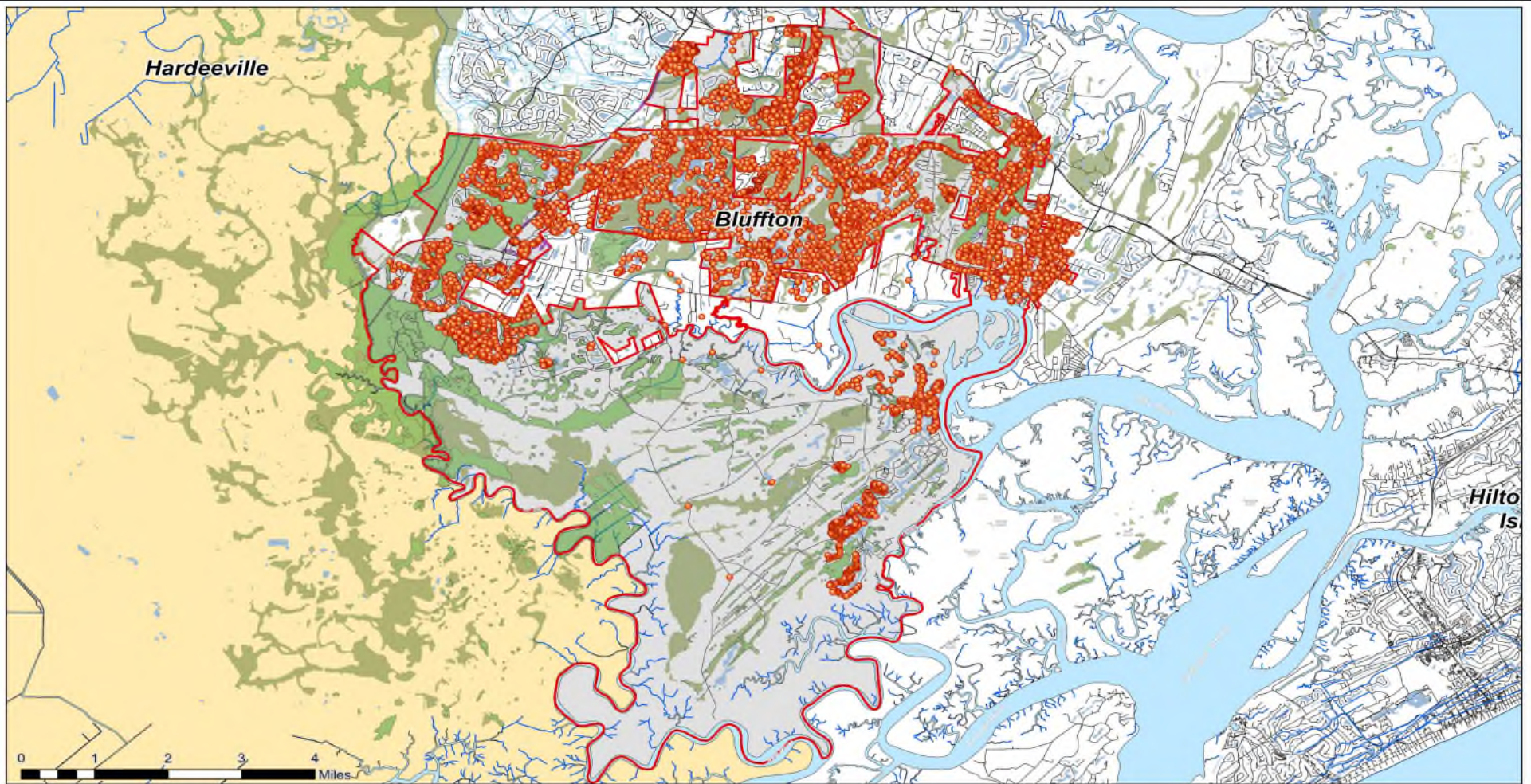
*\*Please note that each member of the public may speak at one public comment session and a form must be filled out and given to the Town Clerk. To submit a public comment online, please click here:*

*<https://www.townofbluffton.sc.gov/FormCenter/Town-15/Public-Comment-60>*

*Public comment is limited to 3 minutes per speaker.*



# 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

Map prepared by the Town of Bluffton, Beaufort County, South Carolina, using data provided by the South Carolina Department of Transportation (SCDOT) and the South Carolina Department of Natural Resources (SCDNR). The map is for informational purposes only and does not constitute a warranty or representation of accuracy. The Town of Bluffton is not responsible for any errors or omissions on this map. The map is subject to change without notice.

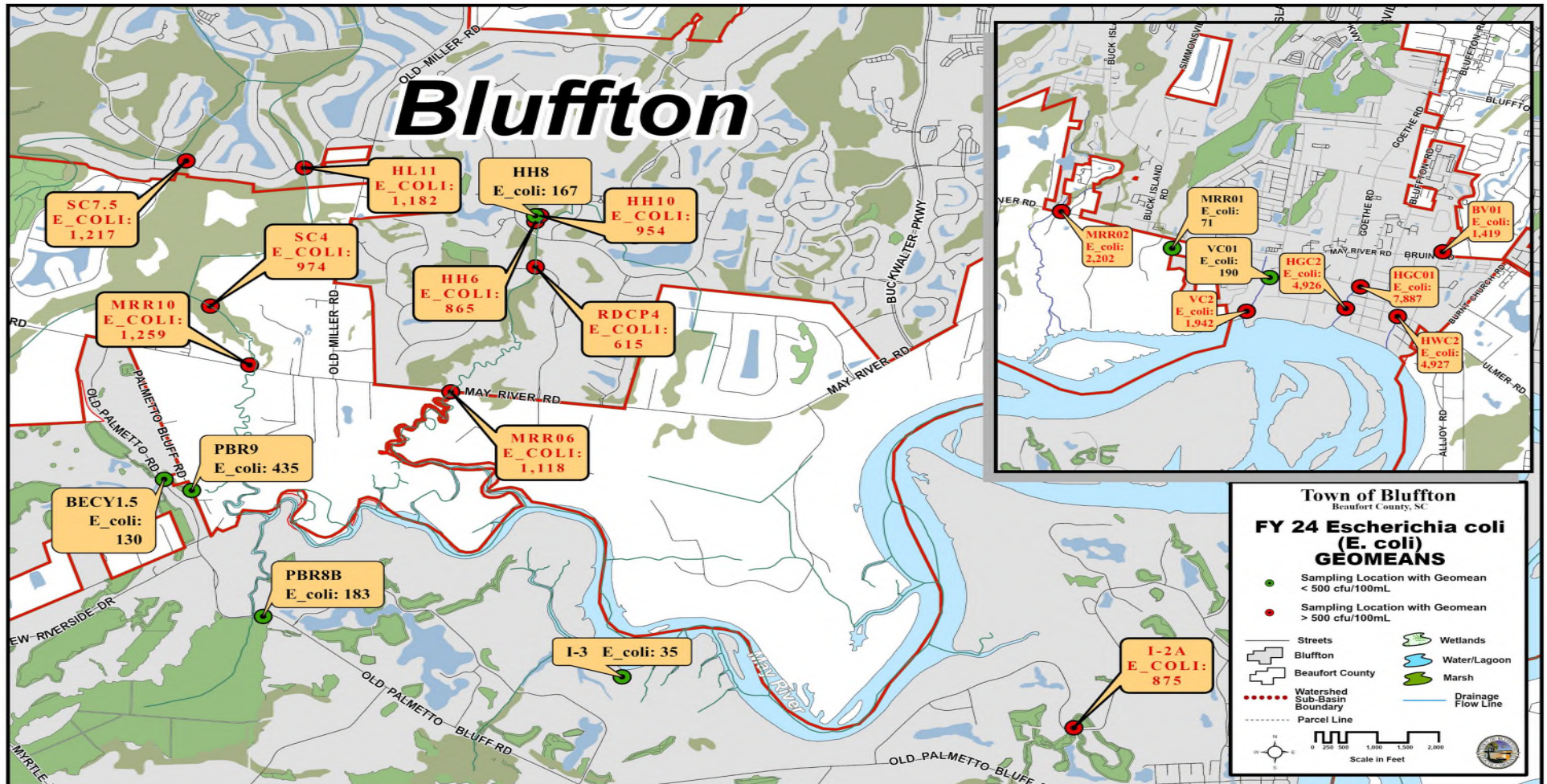



Updated Date: 6/13/2024

### Stormwater Infrastructure Inventory Collection Status

Collection Totals	17,234
FY 2024 YTD	577

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

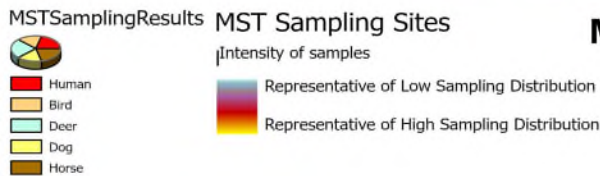
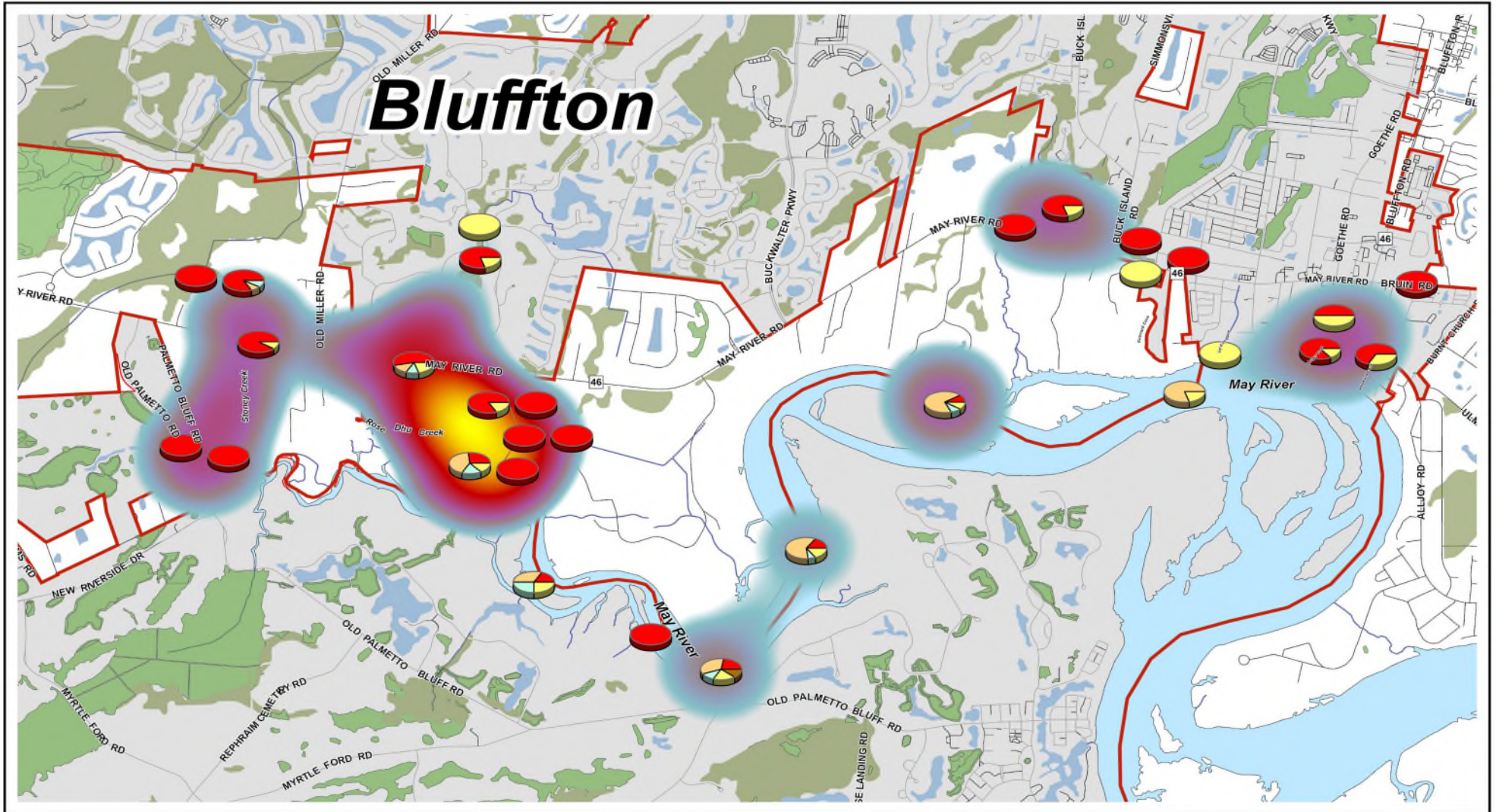


E coliform geomeans updated as of: 6/13/2024

	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2024 YTD Totals	620	62	209
FY 2023 Totals	584	108	108
FY 2022 Totals	447	78	119

Totals include only samples submitted for laboratory analysis, and not *in situ* parameters.

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



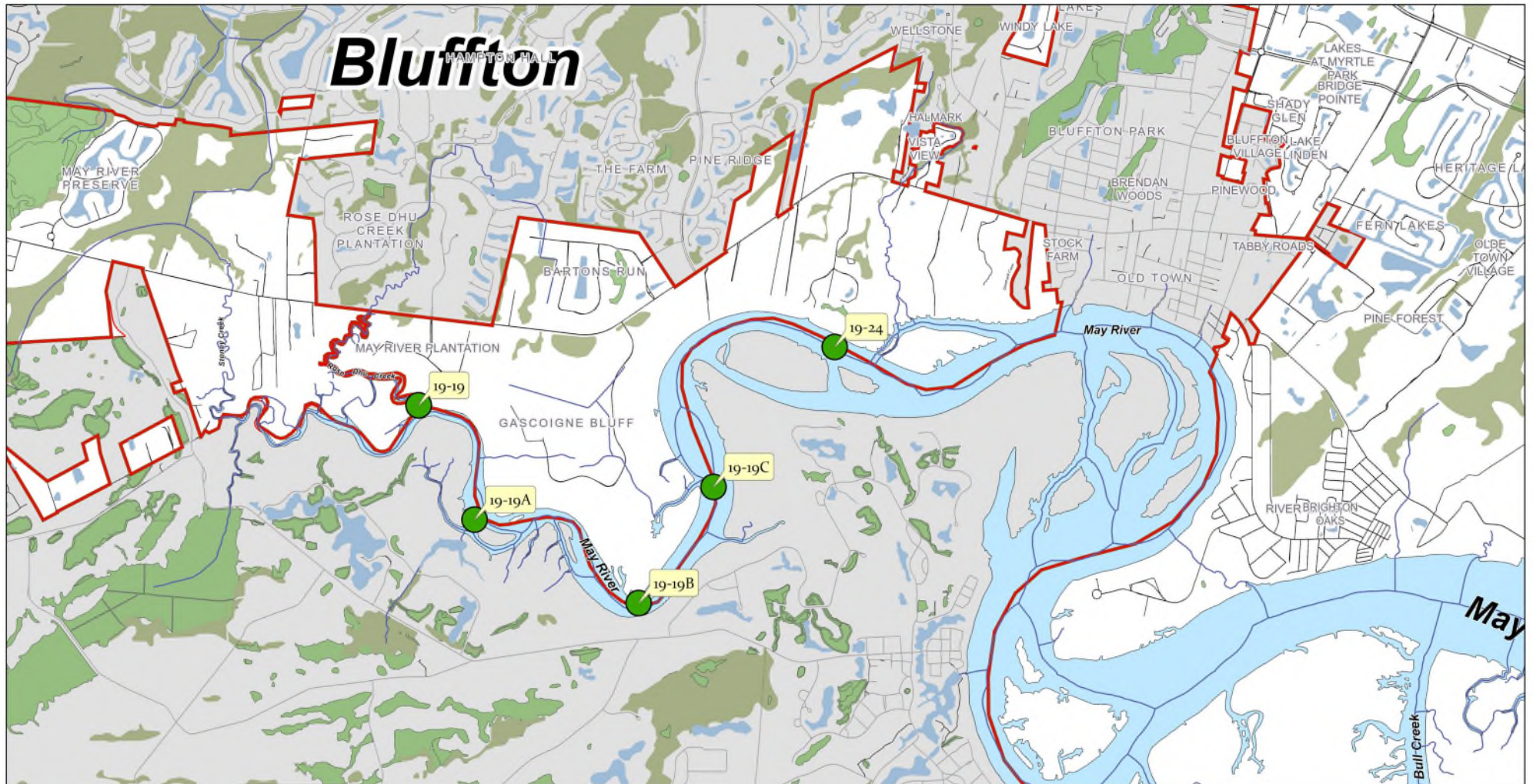
## MICROBIAL SOURCE TRACKING (MST) LOCATIONS

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 – Human Sources

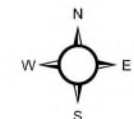


- MST Sampling Location Without Human Genetic Marker Detection
- MST Sampling Location With Human Genetic Marker Detection
- Flowline
- Street
- Town Jurisdiction
- County Jurisdiction

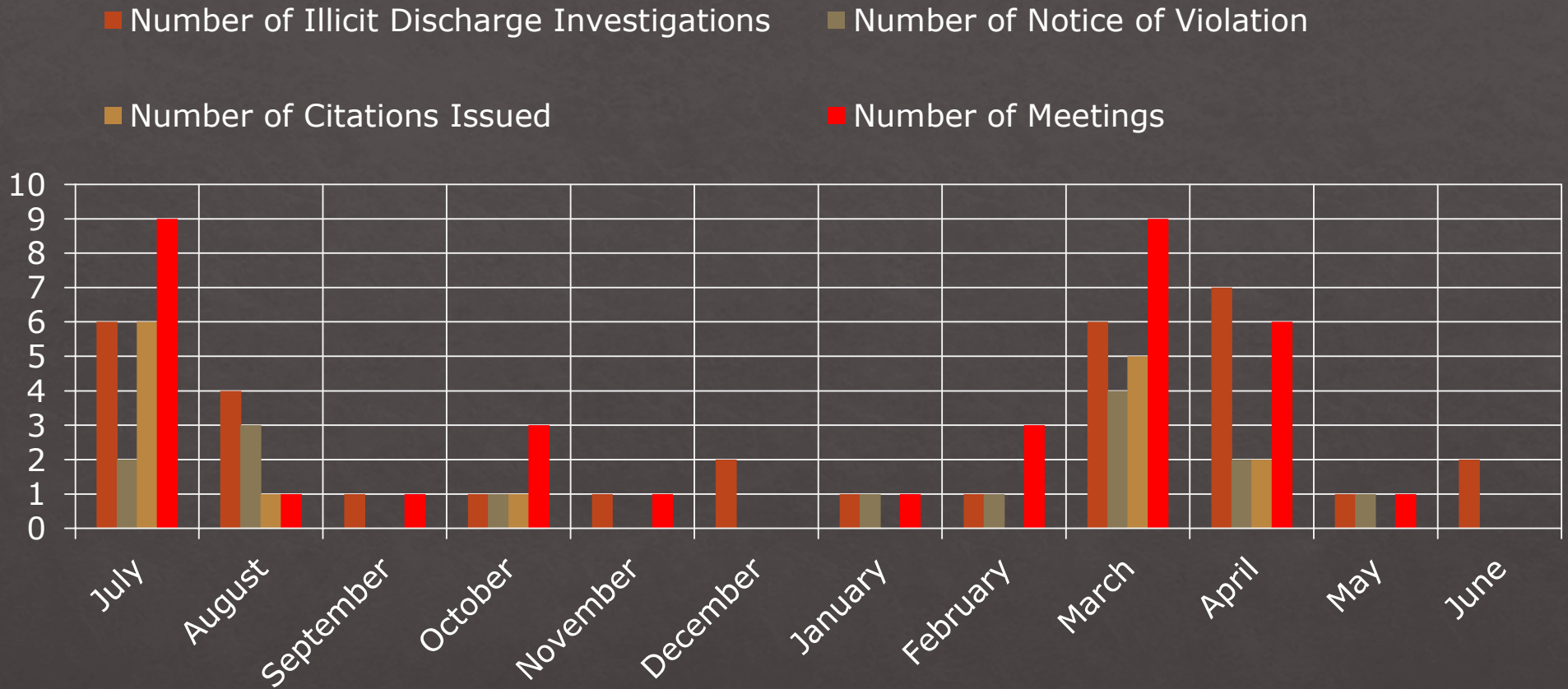
## MICROBIAL SOURCE TRACKING LOCATIONS

Sampling Results May 1, 2024 DHEC Sampling

Town of Bluffton  
Beaufort County, SC

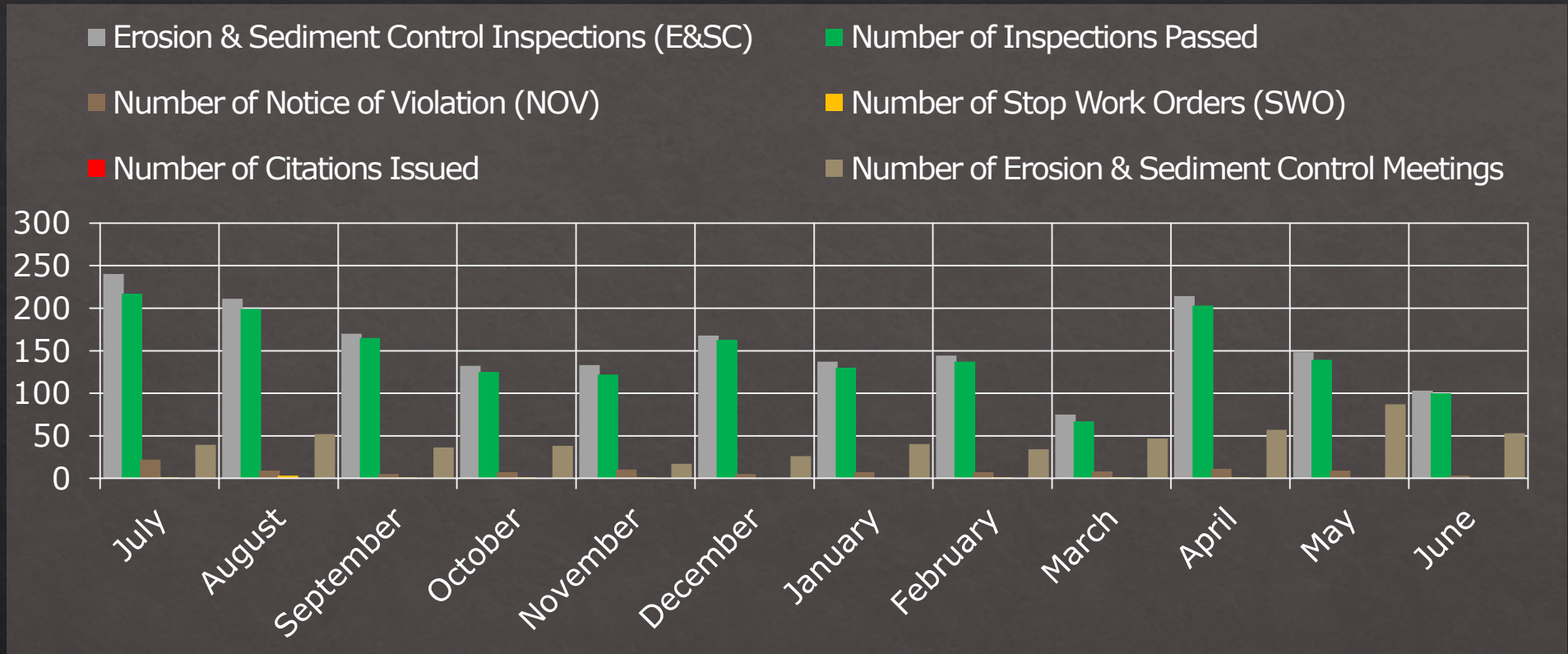


# MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations



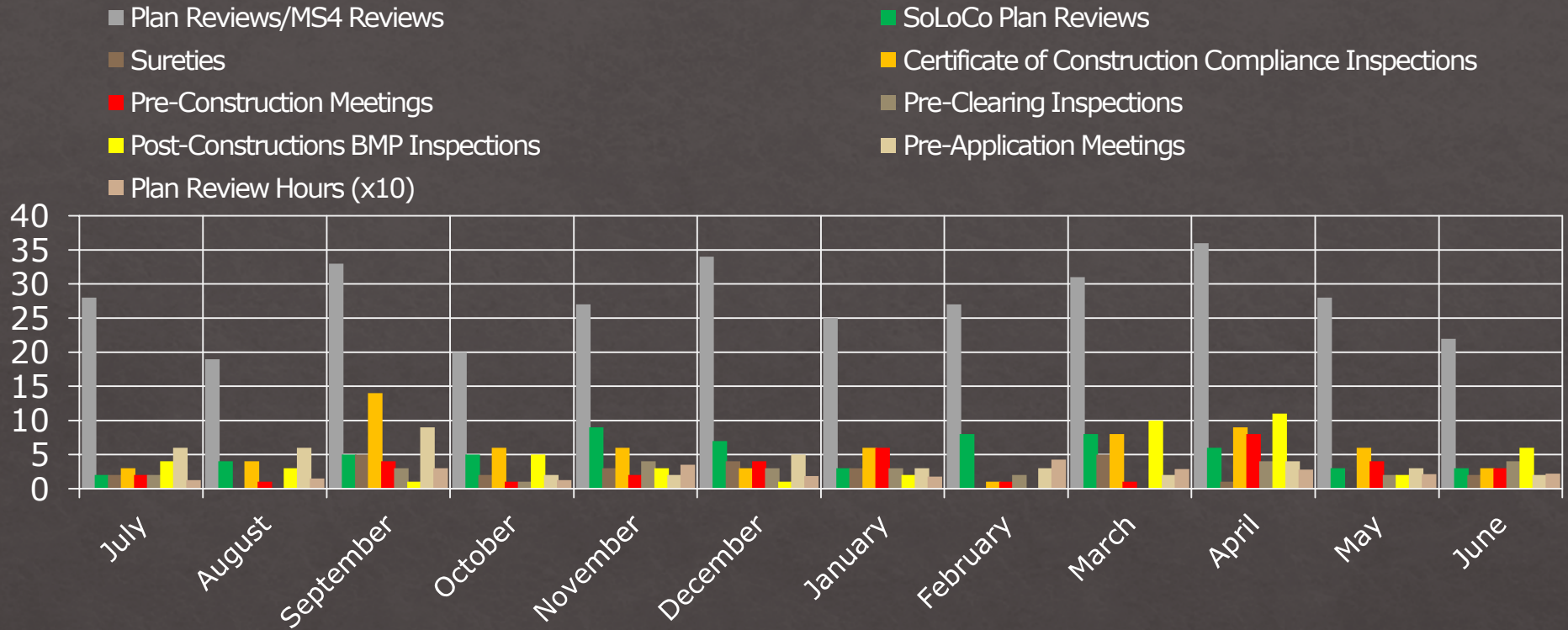
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of Citations Issued	Number of Meetings
FY 2024 YTD Totals	33	15	15	35
FY 2023 Totals	27	8	1	20
FY 2022 Totals	30	5	3	17

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



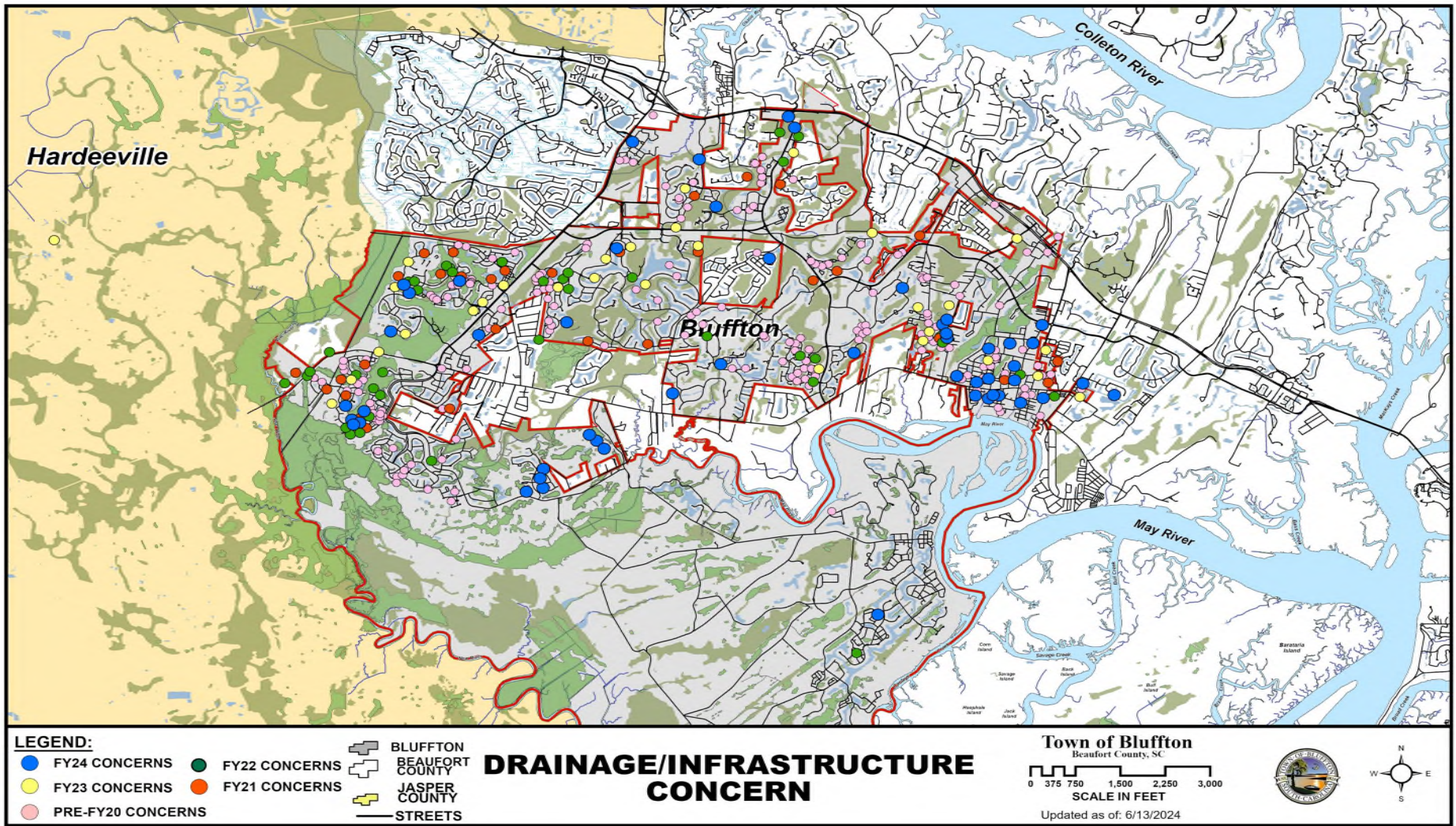
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOV's Issued	Number of SWO Issued	Number of Citations Issued	Number of E&SC Meetings
FY 2024 YTD Totals	1,875	1,767	103	10	0	526
FY 2023 Totals	2,321	2,030	266	26	0	577
FY 2022 Totals	3,127	2,701	392	49	0	673

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



	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2024 YTD	330	63	27	69	37	28	48	47	283 Hrs.
FY 2023 Totals	297	67	42	40	15	13	45	50	386 Hrs.
FY 2022 Totals	231	13	42	26	30	23	44	26	454 Hrs.

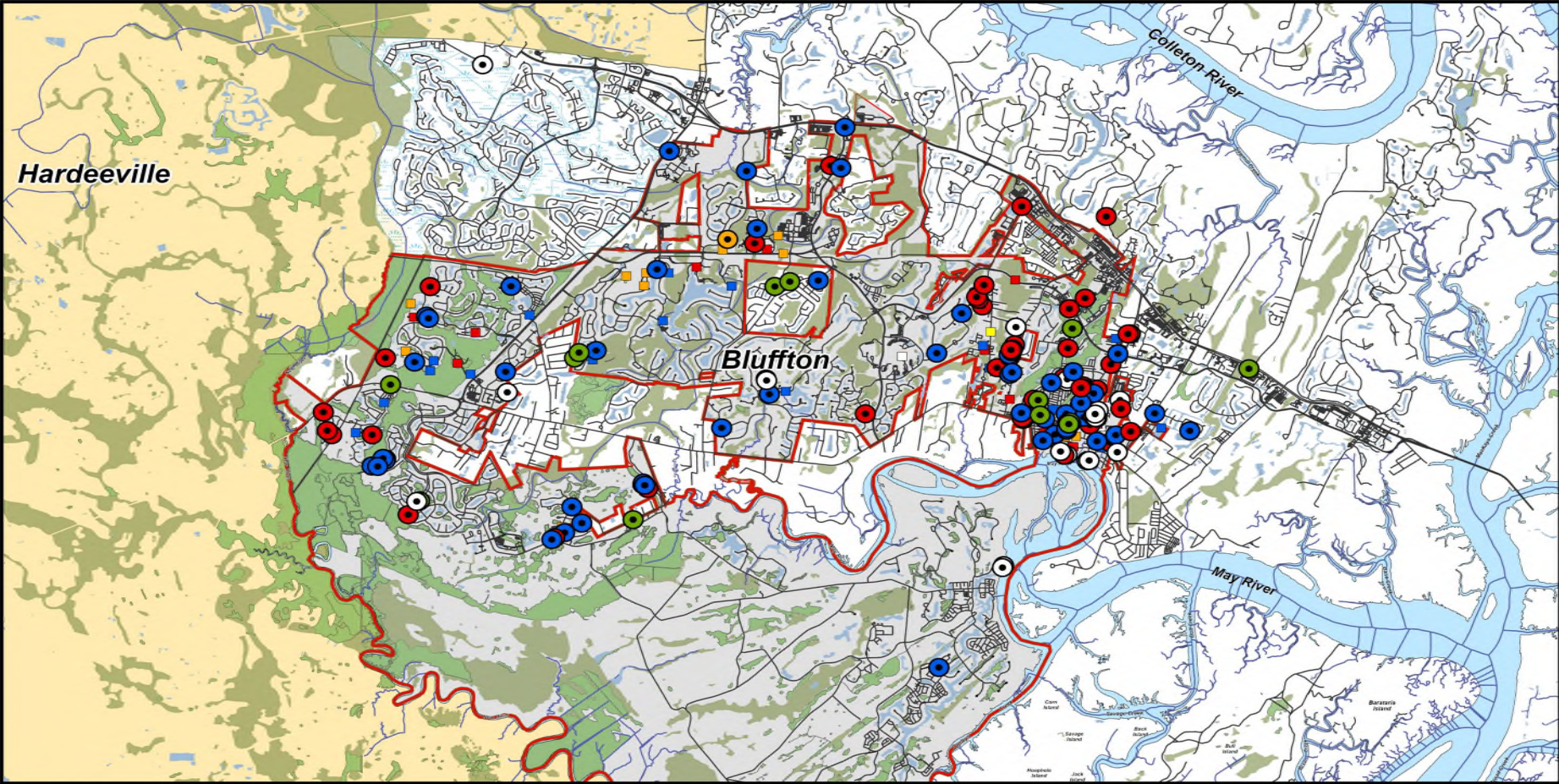
# Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2024 YTD Totals	47	13
FY 2023 Totals	61	52
FY 2022 Totals	38	34



# Citizen Request for Watershed Mngt. Services & Activities Map



- LEGEND:**
- EROSION
  - DRAINAGE/ FLOODING
  - EDUCATION/ OUTREACH
  - IDDE
  - INFRASTRUCTURE/ MAINTENANCE
  - OTHER
  - Fy 2023 Reports

**NON ROUTINE  
WATERSHED MANAGEMENT  
SERVICES & ACTIVITIES MAP**

BLUFFTON  
Town of Bluffton  
Beaufort County, SC

BEAUFORT COUNTY  
STREET

0 375 750 1,500 2,250 3,000  
SCALE IN FEET  
Updated Date: 6/13/2024

	Number of Citizen Requests Investigated	Number of Meetings
FY 2024 YTD Totals	137	40
FY 2023 Totals	46	23
FY 2022 Totals	33	21

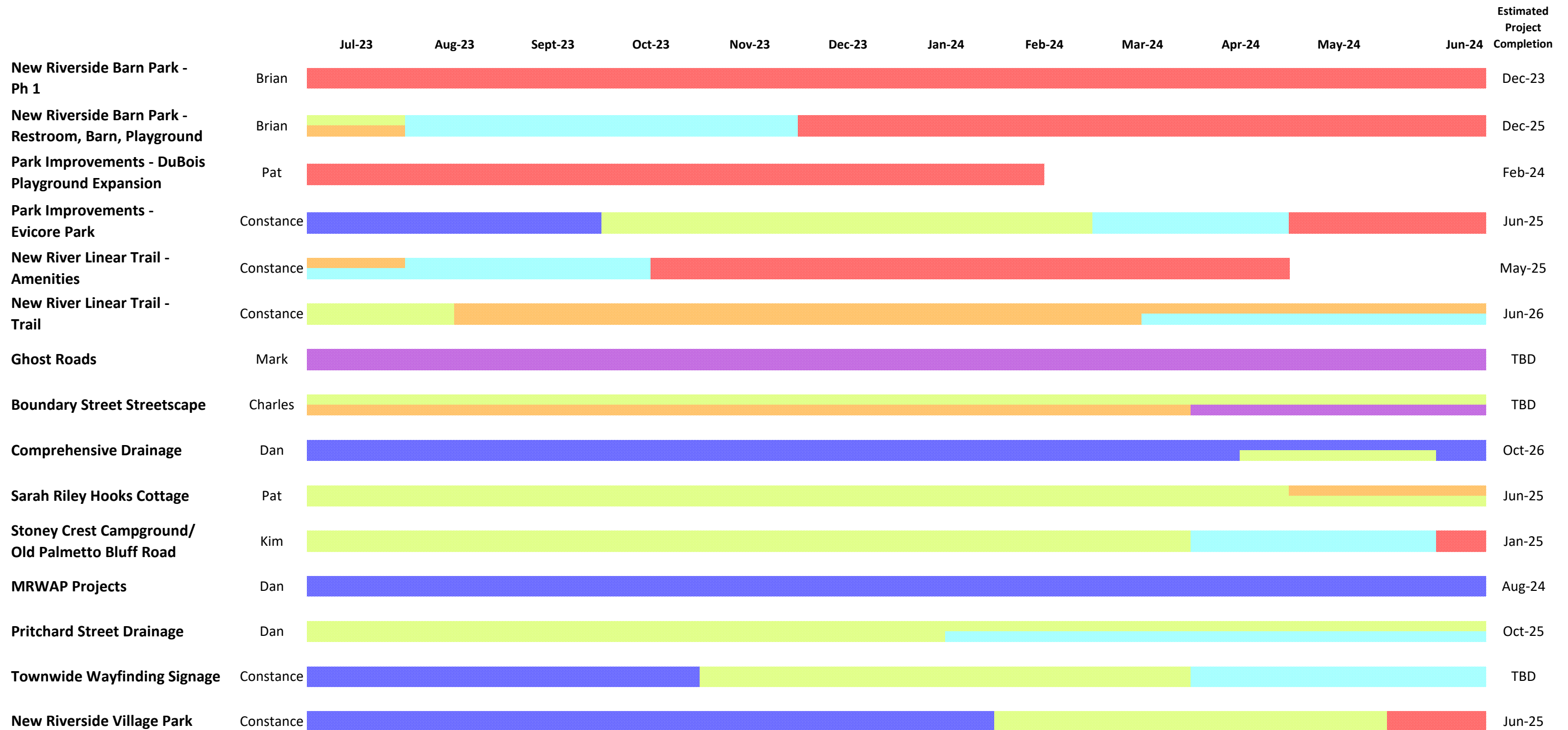
# FY24 CIP Master Project Schedule



■ Planning & Conceptual Design    
 ■ Final Design & Construction Documents    
 ■ Permitting    
 ■ Easement & Land Acquisition    
 ■ Bidding & Contracts    
 ■ Construction

\*SUBJECT TO CHANGE\*

# FY24 CIP Master Project Schedule



■ Planning & Conceptual Design    
 ■ Final Design & Construction Documents    
 ■ Permitting    
 ■ Easement & Land Acquisition    
 ■ Bidding & Contracts    
 ■ Construction

\*SUBJECT TO CHANGE\*



## MEMORANDUM

Date: July 1, 2024

To: Stormwater Management Utility Board

From: Stephen Carter, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover nine minor or routine projects. The Project Summary Reports are attached.

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

- **Big Estate Circle Channel – Sheldon (5):** This project improved 500 linear feet of drainage system. The scope of work included cleaning out 500 linear feet of channel. The total cost was **\$4,355.03**.
- **Gardner Drive – St. Helena Island (8):** The scope of work included extending (2) driveway pipes. The total cost was **\$1,597.53**.
- **Hobcaw Drive Channel – Port Royal Island (6,9):** This project improved 1,526 linear feet of drainage system. The scope of work included cleaning out 1,526 of channel. The total cost was **\$2,434.54**
- **Keans Neck Road – Sheldon (5):** The scope of work included installing (1) bleeder pipe. The total cost was **\$1,666.02**.
- **Moultrie Circle Channel – Port Royal Island (6,9):** This project improved 245 linear feet of drainage system. The scope of work included cleaning out 245 of channel. The total cost was **\$5,153.81**.
- **Persimmon Street – Bluffton (4):** The scope of work included removing overhang from roadway. The total cost was **\$2,075.62**.
- **Rivers End Drive – Bluffton (4):** This project improved 24 linear feet of drainage system. The scope of work included replacing 24 linear feet of roadside pipe and handseeding for erosion control. The total cost was **\$5,027.60**.
- **Sheldon Bush Hog – Sheldon (5):** This project improved 153,713 linear feet of drainage system. The scope of work included bush hogging 141,515 linear feet of channel and 12,198 linear feet of roadside ditch. The total cost was **\$73,493.79**.
- **Beaufort County High School – Port Royal Island (6,9):** The scope of work included installing (6) gutter pipes and repairing a washout. The total cost was **\$3,687.12**.



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

**Project Summary:** Big Estate Circle Channel

**Activity:** Routine/Preventive Maintenance

**Duration:** 12/12/2023 - 12/14/2023

**Narrative Description of Project:**

Project improved 500 L.F. of drainage system. Cleaned out 500 L.F. of channel.

<b>2024-538 / Big Estate Circle Channel</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.00	\$22.19	\$0.00	\$0.00	\$0.00	\$22.19
CCO / Channel - cleaned out	40.00	\$1,195.64	\$1,301.20	\$0.00	\$0.00	\$2,496.84
HAUL / Hauling	16.00	\$578.56	\$1,257.44	\$0.00	\$0.00	\$1,836.00
<b>Grand Total</b>	<b>57.00</b>	<b>\$1,796.39</b>	<b>\$2,558.64</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$4,355.03</b>

**(No Pictures Available)**

Project: Big Estate Circle Channel

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2024-538














Township/SW Dist:  
Sheldon/5

Completed:  
December 2023



**Legend**

**Drainage Type**

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



**1 inch = 330 feet**

Prepared By: BC Stormwater Management Utility

Date Print:06/24/24

File:C:\project summaries map\Big Estate Circle Channel\_2024-538



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

**Project Summary:** Gardner Drive

**Activity:** Routine/Preventive Maintenance

**Duration:** 03/12/2024

**Narrative Description of Project:**

Extended (2) driveway pipes.

**2024-559 / Gardner Drive**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	2.00	\$44.38	\$0.00	\$0.00	\$0.00	\$44.38
DPEX / Driveway Pipe - Extended	12.00	\$240.00	\$297.92	\$223.67	\$0.00	\$761.59
HAUL / Hauling	4.00	\$79.76	\$314.36	\$397.44	\$0.00	\$791.56
<b>Grand Total</b>	<b>18.00</b>	<b>\$364.14</b>	<b>\$612.28</b>	<b>\$621.11</b>	<b>\$0.00</b>	<b>\$1,597.53</b>

**(No Pictures Available)**



Project: Gardner Drive

Activity: Routine/ Preventive Maintenance

Project #: 2024-559

Township/SW Dist: St.Helena Island/8

Completed: March 2024

**Legend**

**Drainage Type**

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



**1 inch = 330 feet**





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

**Project Summary:** Hobcaw Drive Channel

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/14/2024 - 06/18/2024

**Narrative Description of Project:**

Project improved 1,526 L.F. of drainage system. Cleaned out 1,526 L.F. of channel.

<b>2024-575 / Hobcaw Drive Channel</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	0.50	\$11.10	\$0.00	\$0.00	\$0.00	\$11.10
CCO / Channel - cleaned out	16.00	\$370.64	\$1,094.25	\$0.00	\$0.00	\$1,464.89
PP / Project Preparation	12.00	\$249.08	\$67.24	\$0.00	\$0.00	\$316.32
STAGING / Staging Materials/Equipment	16.00	\$370.64	\$271.59	\$0.00	\$0.00	\$642.23
<b>Grand Total</b>	<b>44.50</b>	<b>\$1,001.46</b>	<b>\$1,433.08</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,434.54</b>

**(Before)**



**(During)**



**(After)**





Project: Hobcaw Drive Channel

Activity: Routine/ Preventive Maintenance














Project #: 2024-575

Township/SW Dist: Port Royal Island/6,9

Completed: June 2024

**Legend**

**Drainage Type**

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



1 inch = 500 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 06/24/24

File: C:\project summaries map\Hobcaw Drive Channel



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

**Project Summary:** Keans Neck Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/21/2024

**Narrative Description of Project:**

Installed (1) bleeder pipe.

2024-576 / Keans Neck Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Total Cost
AUDIT / Audit Project	2.00	\$44.38	\$157.18	\$0.00	\$0.00	\$201.56
BPINST / Bleeder pipe - Installed	14.00	\$311.03	\$220.97	\$574.40	\$0.00	\$1,106.40
HAUL / Hauling	2.00	\$39.88	\$157.18	\$0.00	\$0.00	\$197.06
ONJV / Onsite Job Visit	4.00	\$121.26	\$39.74	\$0.00	\$0.00	\$161.00
<b>Grand Total</b>	<b>22.00</b>	<b>\$516.55</b>	<b>\$575.07</b>	<b>\$574.40</b>	<b>\$0.00</b>	<b>\$1,666.02</b>

**(Before)**



**(During)**



**(After)**



Project: Keans Neck Road

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2024-576

Township/SW Dist:  
Sheldon/5

Completed:  
June 2024



**Legend**

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



**1 inch = 330 feet**



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

**Project Summary:** Moultrie Circle Channel

**Activity:** Routine/Preventive Maintenance

**Duration:** 02/16/2024 - 02/20/2024

**Narrative Description of Project:**

Project improved 245 L.F. of drainage system. Cleaned out 245 L.F. of channel.

<b>2023-594 / Moultrie Circle Channel</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	0.50	\$11.10	\$0.00	\$0.00	\$0.00	\$11.10
CCO / Channel - cleaned out	39.00	\$1,124.76	\$2,619.95	\$0.00	\$0.00	\$3,744.71
HAUL / Hauling	12.00	\$454.92	\$943.08	\$0.00	\$0.00	\$1,398.00
<b>Grand Total</b>	<b>51.50</b>	<b>\$1,590.78</b>	<b>\$3,563.03</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$5,153.81</b>

**(Before)**



**(During)**



**(After)**





Project: Moultrie Circle Channel

Activity: Routine/ Preventive Maintenance














Project #: 2023-594

Township/SW Dist: Port Royal Island/6,9

Completed: February 2024

**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 55 110 220 330 440 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 06/24/24

File: C:\project summaries map\Moultrie Circle Channel\_2023-594



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

**Project Summary:** Persimmon Street

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/02/2024

**Narrative Description of Project:**

Removed overhang from roadway.

**2024-570 / Persimmon Street**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	0.50	\$11.10	\$0.00	\$0.00	\$0.00	\$11.10
HAUL / Hauling	8.00	\$167.12	\$628.72	\$0.00	\$0.00	\$795.84
TRCT / Tree cutting	32.00	\$833.12	\$424.80	\$0.00	\$0.00	\$1,257.92
UTLOC / Utility locates	0.50	\$10.77	\$0.00	\$0.00	\$0.00	\$10.77
<b>Grand Total</b>	<b>41.00</b>	<b>\$1,022.10</b>	<b>\$1,053.52</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,075.62</b>

**(Before)**

**(During)**

**(After)**

**(No Picture Available)**



Project: Persimmon Street

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2024-570














Township/SW Dist:  
Bluffton/4

Completed:  
June 2024



**Legend**

**Drainage Type**

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



**1 inch = 210 feet**





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

**Project Summary:** Rivers End Drive

**Activity:** Routine/Preventive Maintenance

**Duration:** 02/01/2024

**Narrative Description of Project:**

Project improved 24 L.F. of drainage system. Replaced 24 L.F. of roadside pipe. Handseeded for erosion control.

2024-545 / Rivers End Drive	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Total Cost
AUDIT / Audit Project	2.00	\$44.38	\$0.00	\$0.00	\$0.00	\$44.38
HAUL / Hauling	24.00	\$665.28	\$1,886.16	\$205.21	\$0.00	\$2,756.65
ONJV / Onsite Job Visit	4.00	\$176.20	\$47.00	\$0.00	\$0.00	\$223.20
RSPR / Roadside Pipe - Replaced	24.00	\$827.80	\$332.84	\$842.72	\$0.00	\$2,003.36
<b>Grand Total</b>	<b>54.00</b>	<b>\$1,713.66</b>	<b>\$2,266.00</b>	<b>\$1,047.93</b>	<b>\$0.00</b>	<b>\$5,027.60</b>

**(Before)**



**(During)**



**(After)**





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

**Project Summary:** Sheldon Bush Hog

**Activity:** Routine/Preventive Maintenance

**Duration:** 04/12/2023 - 03/15/2024

**Narrative Description of Project:**

First Rotation: 04/12/2023 - 03/15/2024. Project improved 153,713 L.F. of drainage system. Bush hogged 141,515 L.F. of channel and 12,198 L.F. of roadside ditch. This project consisted of the following areas: Mitchell Road (8,520 L.F.), Robinson Hill Road (1,960 L.F.), Johnson Road (2,255 L.F.), Archie Sumpter Road (1,825 L.F.), Cuthbert Farm Road (800 L.F.), George Williams Lane (2,443 L.F.), William Campbell Lane (1,646 L.F.), Fire Station Lane (424 L.F.), Huspah Drive (3,010 L.F.), Huspah Court S (1,425 L.F.), Huspah Court N (900 L.F.), Bailey Road (3,990 L.F.), Nix Road (1,170 L.F.), Prescott Road (2,095 L.F.), African Baptist Church Road (2,842 L.F.), Horse Tail Road (4,134 L.F.), Booker T Washington Circle (1,109 L.F.), Albertha Fields Circle (2,385 L.F.), Big Estate Road (2,230 L.F.), Gray Road (3,297 L.F.), Big Estate Circle (3,170 L.F.), Shallowtail Lane (1,647 L.F.), Newberry Circle (6,023 L.F.), Joseph Lane (1,245 L.F.), Twickenham Plantation Road (8,812 L.F.), Paige Point Road (1,064 L.F.), Gum Tree Lane (4,726 L.F.), Browns Island Road (3,180 L.F.), Stroup Lane (1,370 L.F.), Hunt Ter (2,500 L.F.), Middlefield Circle (4,610 L.F.), Keans Neck Road (1,557 L.F.), Coker Lane (3,156 L.F.), Dan Drive (806 L.F.), Albany Drive (485 L.F.), Coakley Drive (535 L.F.), Spann Circle (1,800 L.F.), Oakhurst Road (2,522 L.F.), Lightsey Road (5,080 L.F.), Wimbee Landing Road (14,315 L.F.), Wimbee Creek Road (900 L.F.), Honeybee Island Road (870 L.F.), Old Dawson Acres (6,520 L.F.), Jasmine Hall Road (15,245 L.F.), Butler Farm Road (1,775 L.F.), River Oaks Road (2,543 L.F.), Pap Kee Lane (1,428 L.F.), Seigler Road (482 L.F.), Horace Dawson Lane (5,436 L.F.) and Priester Road (1,461 L.F.).

<b>2023-303 / Sheldon Bush Hog</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	8.00	\$177.52	\$0.00	\$0.00	\$0.00	\$177.52
CBH / Channel- bushhogged	947.50	\$34,292.90	\$31,942.24	\$1,135.57	\$0.00	\$67,370.71
RDBH / Roadside ditch - bushhogged	85.00	\$3,068.22	\$2,845.77	\$31.57	\$0.00	\$5,945.56
<b>Grand Total</b>	<b>1,040.50</b>	<b>\$37,538.64</b>	<b>\$34,788.01</b>	<b>\$1,167.14</b>	<b>\$0.00</b>	<b>\$73,493.79</b>

**Before**



**During**



**After**





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

**Project Summary:** Battery Creek High School

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/03/2024 - 06/13/2024

**Narrative Description of Project:**

Installed (6) gutter pipes and repaired washout.

<b>2024-551 / Battery Creek High School</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	3.00	\$66.57	\$0.00	\$0.00	\$0.00	\$66.57
BKFILL / Back Fill	4.00	\$108.12	\$122.56	\$0.00	\$0.00	\$230.68
FDINST / French Drain - Installed	30.00	\$789.36	\$455.20	\$356.46	\$0.00	\$1,601.02
HAUL / Hauling	12.00	\$280.80	\$943.08	\$430.31	\$0.00	\$1,654.19
RPWO / Repaired Washout	4.00	\$85.62	\$49.04	\$0.00	\$0.00	\$134.66
<b>Grand Total</b>	<b>53.00</b>	<b>\$1,330.47</b>	<b>\$1,569.88</b>	<b>\$786.77</b>	<b>\$0.00</b>	<b>\$3,687.12</b>

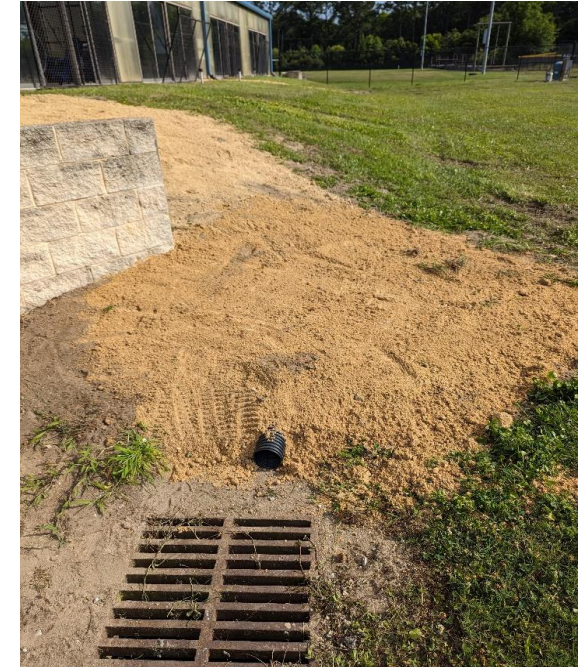
**(Before)**



**(During)**



**(After)**



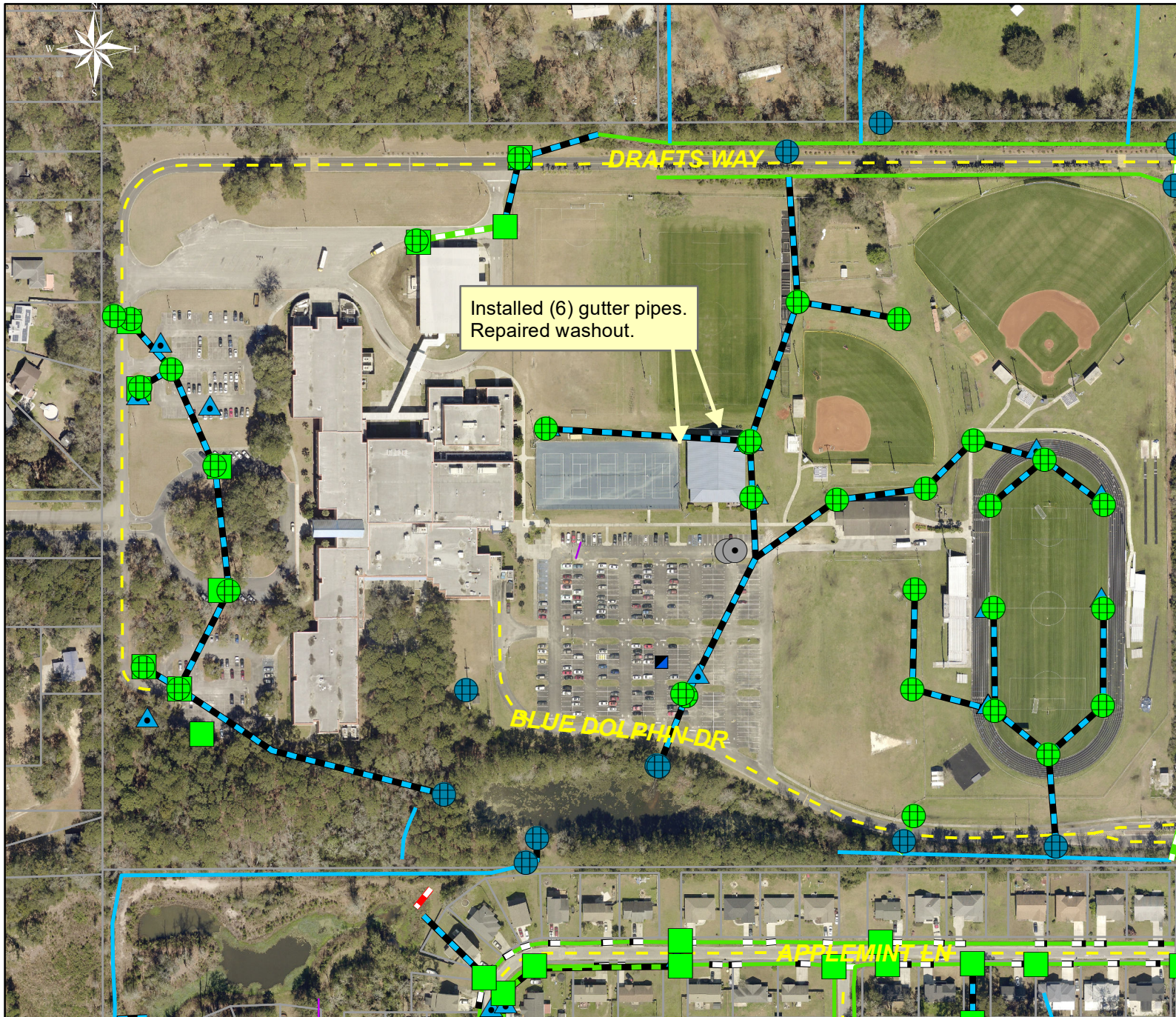
Project: Battery Creek High School

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2024-551

Township/SW Dist:  
Port Royal Island/6,9

Completed:  
June 2024



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



1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 07/03/24

File: C:\project summaries map\Battery Creek High School\_2024-551

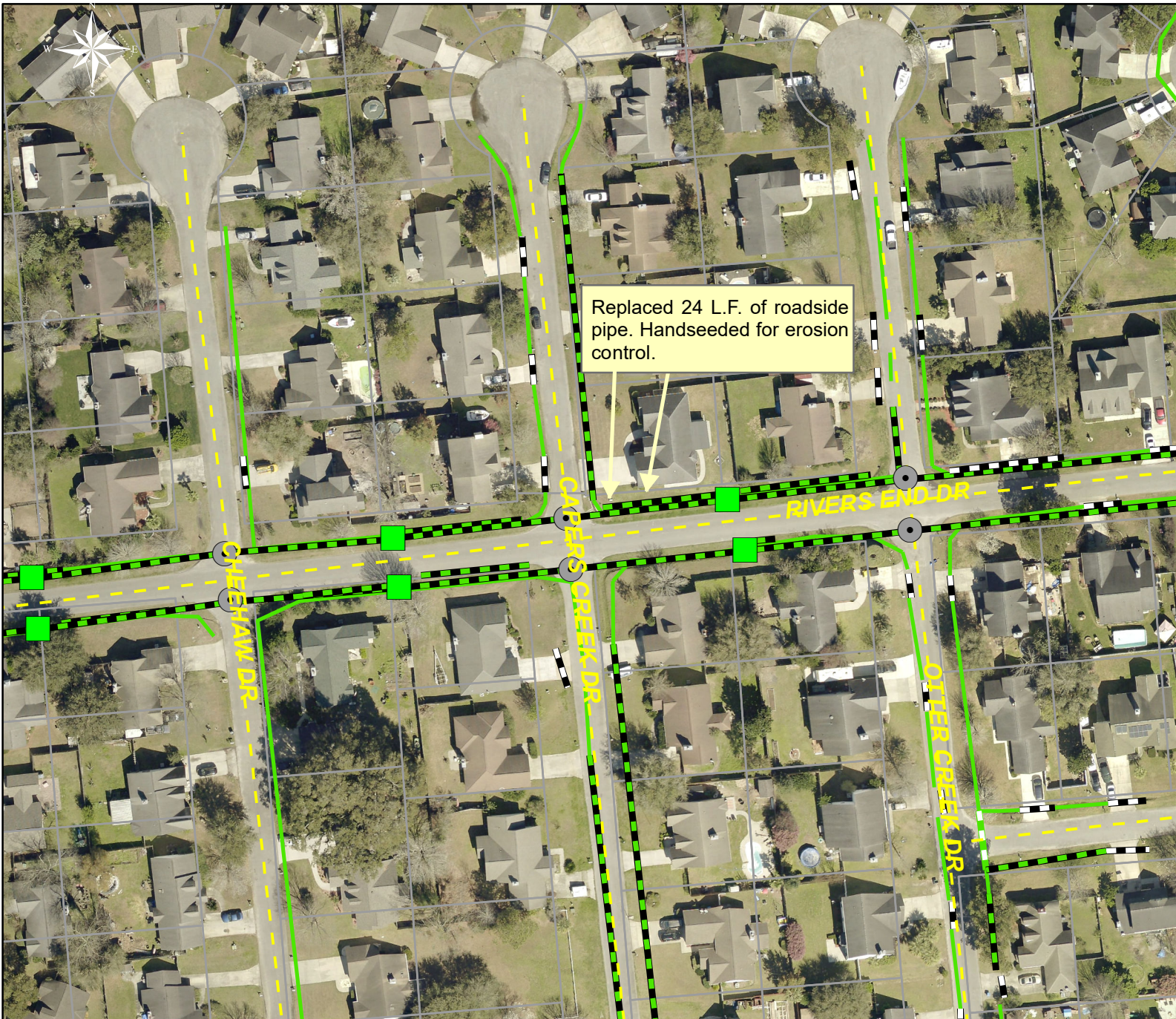
Project: Rivers End Drive

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2024-545














Township/SW Dist:  
Bluffton/4

Completed:  
February 2024



**Legend**

**Drainage Type**

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



**1 inch = 100 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 06/28/24

File: C:\project summaries map\Rivers End Drive\_2024-545



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, August 21st, 2:00 p.m.  
County Council Chambers  
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 – 2:00p.m.
  - A. Approval of Agenda
  - B. Approval of Minutes – June 19, 2024 ([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. Regional Coordination – Katie Herrera ([backup](#))
  - E. Municipal Reports – Taylor Brewer ([backup](#))
  - F. Stormwater Related Projects – Taylor Brewer ([backup](#))
  - G. Professional Contracts Report – Taylor Brewer ([backup](#))
  - H. MS4 Update – Taylor Brewer ([backup](#))
  - I. Staff Update – Taylor Brewer ([backup](#))
  - J. Maintenance Projects Report – Stephen Carter ([backup](#))
  - K. Liaison Report - Ms. Alice Howard
5. UNFINISHED BUSINESS
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
  - A. Wednesday, October 16th ([backup](#))
9. ADJOURNMENT





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

June 19th, 2024, at 2:00 p.m.

County Council Chambers, 100 Ribaut Rd, Beaufort, SC

### Board Members

#### Present

James Clark  
Marc Feinberg  
Ed Warner  
Dennis Ross

#### Absent

Steve Andrews  
Ron Buchanan  
Patrick Mitchell

### Ex-Officio Members

#### Present

#### Absent

Nate Farrow  
Jeff Netzing  
Van Willis  
Bill Baugher

### Beaufort County Staff

Katie Herrera  
Dafiney Butler  
Taylor Brewer  
Tammy Doe  
Bradley Harriott  
Mark Johnson

### Visitors

Alice Howard, County Council  
Tye Pettay-USCB  
Paula Brown, County Council

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

A. Agenda – Approved

B. Approval of Minutes – April 16<sup>th</sup>, 2024 -Approved

#### 2. Introduction – Completed.

#### 3. Public Comment(s) – Residents of Alljoy

#### 4. Special Presentation – Crystal Muller- Stormwater Utility Fee Structure (PowerPoint)

#### 5. Reports

*Reports attached in agenda*

#### **Highlights:**

##### A. Utility Update – Katie Herrera

✓ Annual Financial Report

- Reports from the Municipalities are due, per the Intergovernmental Agreements for the utility, each year on September 30<sup>th</sup>.

##### B. Monitoring Update – Daniel Pettay

**Highlights:**

- ✓ Monitoring is ongoing. Continuing to analyze samples for the Town of Bluffton.
- ✓ Water Quality is looking to hire a Lab Manager.

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

**Highlights:**

- ✓ Staff provided an updated FY25 SWIC memo on 4/23/2024. A presentation by Woolpert on the proposed tax run changes was held for all municipal partners on 5/7/2024.

**D. Regional Coordination – Katie Herrera**

1. Alljoy

- a. Waiting for County Council representative to confirm a meeting date. Beaufort County was awarded \$187,500 for a drainage study, with a \$62,500 match from the stormwater funds. On the 6/24/2024 agenda for Public Facilities for the Interim County Administrator to be able to sign

b. **Stormwater Related Projects – Katie Herrera**

**Highlights:**

- ✓ Staff is working on easement requests and meets monthly to review the status of all new easement acquisitions.
- ✓ Staff continually works numerous drainage related complaints each month
  - Shell Point Community
    - Surveying has been completed on 3 of the 8 projects
    - As of 4/1/2024, the FY25 appropriations request form through Senator Lindsey Graham’s office is not yet open.
    - As of 4/1/2024, there is no movement on the FEMA funded grant request.

c. **Professional Contracts Report – Taylor Brewer**

**Highlights:**

- ✓ Brewer Memorial – Open house planning in the works, will showcase BMPs, Valentina to plan
- ✓ Stormwater engineering consulting services – Woolpert
  - 1) TO #17 – Plan Review allocated funds through FY24 \$11,457.50.
  - 2) TO #21 – New continuous monitoring station install, and O&M. Beaufort County will be collaborating with DNR, Port Royal Foundation and other local MS4s to analyze the best location for the next continuous monitoring station installation. Allocated funds - \$94,589.73.

d. **Municipal Reports**

**Highlights:**

- ✓ Town of Hilton Head (From Jeff Netzinger, Stormwater Manager, and Jacob Terry, MS4 Coordinator)



- No information was available at this time.
- ✓ Town of Bluffton (From Kim Jones, Watershed Management Division Director)
  - No information was available at this time.
- ✓ City of Beaufort (From Nate farrow, Public Works Director)
  - No information was available at this time.

e. **MS4 Update** – Taylor Brewer

**Highlights:**

- ✓ Plan Review – steady influx.
- ✓ Stormwater Permits
- ✓ Monthly Inspection summary – staying very busy, team is excited about keeping in compliance.

**Staff Update:** Welcome our new Environmental Educator Coordinator – Valentina Palacio Ruiz

f. **Maintenance Projects Report** – Bradley Harriot

**Highlights:**

- ✓ Major projects:
  - Bradley Circle-Hilton Head Island
  - Luther Warren Drive- St. Helena Island
  - 792 Sea Island Parkway- St. Helena Island

g. **Liaison Report** – Alice Howard

- i. Working with Paula Brown regarding residents concerns

**Unfinished Business –**

- ✓ No updates as of now.

2. **New Business-**

- 1. Mark Johnson- Tuxedo Park Project was approved.

3. **Public Comment.**

- 1. Residents of Alljoy

**4.Meeting Adjourned**

- 1. Meeting adjourned at 3:50pm

- ✓ Monitoring is ongoing. Continuing to analyze samples for the Town of Bluffton.
- ✓ Water Quality is looking to hire a Lab Manager.

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

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

- ✓ Staff provided an updated FY25 SWIC memo on 4/23/2024. A presentation by Woolpert on the proposed tax run changes was held for all municipal partners on 5/7/2024.

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

#### 1. Alljoy

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

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

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- ✓ Staff continually works numerous drainage related complaints each month
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#### **c. Professional Contracts Report – Taylor Brewer**

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

- ✓ Brewer Memorial – Open house planning in the works, will showcase BMPs, Valentina to plan
- ✓ Stormwater engineering consulting services – Woolpert
  - 1) TO #17 – Plan Review allocated funds through FY24 \$11,457.50.
  - 2) TO #21 – New continuous monitoring station install, and O&M. Beaufort County will be collaborating with DNR, Port Royal Foundation and other local MS4s to analyze the best location for the next continuous monitoring station installation. Allocated funds - \$94,589.73.

#### **d. Municipal Reports**

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

- ✓ Town of Hilton Head (From Jeff Netzinger, Stormwater Manager, and Jacob Terry, MS4 Coordinator)
  - No information was available at this time.

- ✓ Town of Bluffton (From Kim Jones, Watershed Management Division Director)
  - No information was available at this time.
- ✓ City of Beaufort (From Nate farrow, Public Works Director)
  - No information was available at this time.

e. **MS4 Update** – Taylor Brewer

**Highlights:**

- ✓ Plan Review – steady influx.
- ✓ Stormwater Permits
- ✓ Monthly Inspection summary – staying very busy, team is excited about keeping in compliance.

**Staff Update:** Welcome our new Environmental Educator Coordinator – Valentina Palacio Ruiz

f. **Maintenance Projects Report** – Bradley Harriot

**Highlights:**

- ✓ Major projects:
  - Bradley Circle-Hilton Head Island
  - Luther Warren Drive- St. Helena Island
  - 792 Sea Island Parkway- St. Helena Island

g. **Liaison Report** – Alice Howard

- i. Working with Paula Brown regarding residents concerns

**Unfinished Business –**

- ✓ No updates as of now.

2. **New Business-**

- 1. Mark Johnson- Tuxedo Park Project was approved.

3. **Public Comment.**

- 1. Residents of Alljoy

**4.Meeting Adjourned**

- 1. Meeting adjourned at 3:50pm

# TOWN COUNCIL

## STAFF REPORT

### Projects and Watershed Resilience Department



<b>MEETING DATE:</b>	July 9, 2024
<b>SUBJECT:</b>	Projects and Watershed Resilience Department Monthly Report
<b>PROJECT MANAGER:</b>	Kimberly Washok-Jones, Director of Projects and Watershed Resilience

### **CAPITAL IMPROVEMENTS PROGRAM (CIP) UPDATE**

#### **PATHWAYS**

- 1. Buck Island-Simmonsville Neighborhood Sidewalks and Lighting**
  - Construction of the Phase 6B sidewalks, drainage and lighting is complete.
  - **Next Steps**
    - Final As-built survey completed and closeout with SCDOT.
  
- 2. New River Linear Trail**
  - Received \$26,000 PARD grant award and \$2 million in SC appropriations.
  - Easement donation from New Riverside Community Association, Inc. approved at 3/14/23 Town Council.
  - Well installed and tested.
  - Groundbreaking completed 5/30/24.
  - Bathroom and security cameras installed.
  - **Next Steps**
    - Continue engineering design and permitting for Phases 1 and 2.
    - Negotiations are ongoing with Central Electric and Santee Cooper for cost sharing terms and bridge maintenance.
    - Install entry gate this summer.
    - Continue coordination of boardwalk connection for Four Seasons.

#### **SEWER & STORMWATER**

- 1. Buck Island-Simmonsville Sewer (Phases 5A-D)**
  - Mainlines have been installed and laterals construction underway.
  - **Next Steps**
    - Inspection, punch list and approval by BJWSA.
  
- 2. Historic District Sewer Extension Phases 2 & 3 - Bridge & Colcock Streets**
  - Jordan Construction of Hilton Head, Inc. continues construction.



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, October 16th, 2:00 p.m.  
County Council Chambers  
Beaufort, South Carolina 843.255.2805

1. CALL TO ORDER – 2:00p.m.

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.

- A. Approval of Agenda
- B. Approval of Minutes – August 21st, 2024  
([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. Regional Coordination – Katie Herrera ([backup](#))
- E. Municipal Reports – Taylor Brewer ([backup](#))
- F. Stormwater Related Projects – Taylor Brewer ([backup](#))
- G. Professional Contracts Report – Taylor Brewer ([backup](#))
- H. MS4 Update – Taylor Brewer ([backup](#))
- I. Staff Update – Taylor Brewer ([backup](#))
- J. Maintenance Projects Report – Stephen Carter ([backup](#))
- K. Liaison Report - Ms. Alice Howard

5. UNFINISHED BUSINESS

6. NEW BUSINESS

7. PUBLIC COMMENT

8. NEXT MEETING AGENDA

- A. Wednesday, December 11th ([backup](#))

9. ADJOURNMENT



