

## TOWN COUNCIL

### STAFF REPORT

#### Projects and Watershed Resilience Department



<b>MEETING DATE:</b>	July 8, 2025
<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**

#### **Administrative Update**

- No activity to report.

#### **FACILITIES**

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

- **Next Steps**
  - Further work pending direction from Council resulting from Creech and Associates' space needs assessment.

##### **2. Sarah Riley Hooks Cottage**

- **Completed** exempt plat and lighting plan.
- Construction Contract with Nix Construction approved and executed.
- **Next Steps**
  - Submit applications for demolition and building permits.
  - Site prep and selective demolition to start in July and construction starting in August.
  - Post a solicitation for site and landscape development construction in August and begin construction in FY26.

#### **HOUSING**

##### **1. Town of Bluffton Affordable Housing Project – The May**

- WorkForce State of Mind is constructing 12 Affordable/Workforce Housing units at 1095 May River Road.
- Horizontal site work is underway, with vertical construction scheduled to begin in October. Construction is anticipated to be complete in the 1<sup>st</sup> Quarter of 2026.
- **Next Steps**
  - Staff continues to review progress and applications for payment.
  - Coastal States Bank will start to accept mortgage applications near the end of this year; timing depends on construction progress.

#### **PARKS**

##### **1. Park Improvements**

- Shade sail and pavilion installation **completed** at Buckwalter Place Park playground.

- The construction of the DuBois shade sail began in June.
- Ordered new site furnishings for DuBois and Oscar Frazier Park.
- **Next Steps**
  - Complete construction of shade sail at DuBois Park by end of July.
  - Install site furnishings at DuBois and Oscar Frazier upon delivery of equipment.

## 2. **Oyster Factory Park**

- Invitation for Bid posted and closed on 6/10/25 for grading, drainage and paving of the food truck access drive.
- Structural engineer completed assessment of pavilion post replacement options.
- **Next Steps**
  - Execute contract for food truck drainage and paving.
  - Prepare bid package for pavilion post replacement.
  - Prepare plans and bid packages for the restroom expansion and other FY26 improvements.

## 3. **Oscar Frazier Park**

- Splash Pad opened in October 2024; additional FY25 improvements are **complete**.
- **Next Steps**
  - Continue splash pad maintenance with Year Round Pool.
  - Staff are studying the feasibility of additional shade structures or additional pavilion at Oscar Frazier.
  - Obtain quotes for splash pad deck coating.

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

- Restrooms, playground, large pavilion, small pavilion, trellis and misting station all received certification of occupancy in January of 2025. Ribbon cutting was in February.
- The interior and exterior of the event barn are in the finishing stages. Interior millwork is complete. Painting is complete. Restroom tile and partitions are installed. All plumbing, lighting and mechanical trim out has started. Audio video and IT trim out has started. Kitchen appliances are on-site with installation to follow. LVP flooring has started.
- Event barn landscaping is well underway. **Next Steps**
  - Nix Construction to continue all the above.
  - Continue planning and design of PS maintenance facility in 2026.
  - Complete design of Event Pavilion in FY 2025 and complete construction in FY26.

## 5. **New River Linear Trail**

- Bathroom, well, safety cameras, entry gate and permitting **completed**.
- Central Electric contributed \$412,700 toward cost sharing and maintenance of the bridges.
- Nix construction contract was approved at 6/10/25 Town Council meeting.
- **Next Steps**
  - Construction completion planned for summer 2026.

## 6. Buckwalter Place Park Improvements

- Town Council approved construction contract 3/11/25.
- Phase 1 **complete**.
- **Next Steps**
  - Public Art Committee considering sunken art room options.
  - Engaged Wood + Partners for CDs of Phases 3 and 4.
  - Phases 3 and 4 construction planned for December 2025.

## **INFORMATION TECHNOLOGY INFRASTRUCTURE**

### 1. Document Management

- Document Management System (DMS) is live.
- **Next Steps**:
  - Historical documents for the remaining departments will transition through FY26.

### 2. Network Infrastructure

- Migration of Munis and Energov systems to a hosted environment **completed**.
- **Next Steps**:
  - Replacing more VMWare hosts.

## **STORMWATER & SEWER**

### 1. Buck Island-Simmons ville Sewer (Phases 5A-D)

- Sewer mainlines and laterals **completed**.
- **Next Steps**
  - BJWSA awaiting Permit to Operate from SCDES.

### 2. Historic District Sewer Extension Phases 4 through 6 – Lawrence, Green and Water Streets

- Contract with Jordan Construction approved at April Town Council.
- **Next Steps**
  - Pre-con meeting with BJWSA and TOB.
  - Public Meeting with residents for rights of entry and information on sewer connections and construction sequencing on-going.

### 3. Bridge Street Streetscape

- Stakeholder public meeting (3/6/25) and Montessori and Hargray meetings for Phase 2 **complete**.
- Lighting plan **complete**.
- Clarified SCDOT right of way conflict.
- **Next Steps**
  - Continue engineering design for SCDOT permitting.
  - Continue planning and design for underground power cost estimate.
  - Reply to DRC comments.
  - Streetscape easements for lighting and sidewalks out to property owners.
  - Finalize conceptual landscape plan in front of Bluffton Telephone building and May River Montessori.

#### 4. **Comprehensive Drainage Plan Improvements**

- Crooked and Guerrard Coves' stormwater assets inventory, condition assessment, field data processing and 2D Hydrologic/Hydraulic Model **completed**.
- Draft Engineering Report for Crooked Cove received 6/9/25 and under Staff review.
- Finalization of Guerrard Cove 2D H/H Model and resulting scenario runs in process.
- Notified by SC EMD that the Town's \$278,550 BRIC grant application was rejected due to change in Federal funding directives. SC EMD HMGP pre-application for Huger and Verdier Cove work accepted and Full application due 8/29/25.
- **Next Steps**
  - Guerrard Cove Engineering Report submittal.
  - Develop scope for Rose Dhu Creek drainage area.
  - Prepare and submit Huger and Verdier work to SC EMD HMGP full application.

#### 5. **May River Watershed Action Plan Impervious Restoration Water Quality Projects**

- Initial site investigations, geotechnical and reports are **complete** for 8 of the 11 participating sites.
- 15 additional sites concept plan development in process.
- Preliminary design for the 8 original sites **complete** for future CIP Projects.
- **Next Steps**
  - Impervious Restoration Program Policy Document Draft submitted and under review.
  - Collaborate with Director of Procurement for an agreement with BCSD to construct impervious restoration projects at school sites.

#### 6. **Stoney Creek/Palmetto Bluff Sewer Partnership**

- BJWSA's 2022 updated cost-estimate for the project from BJWSA increased to \$7.2 million + contingencies.
- BJWSA is the Project Manager as the awardee of the RIA-SCIIP grant.
- **Next Steps**
  - BJWSA updates can be found [here](#).

### **ROADS**

#### 1. **Pathway Pedestrian Safety Improvements**

- **Completed** Historic District crosswalk study for ADA compliance.
- Phase 1 ADA sidewalk improvements along Goethe Road **completed**.
- Phase 2 design and construction **completed** for the remainder of the Historic District.
- Phase 3 analysis of areas outside the Historic District to identify sites for design **complete**.
- **Next Steps**
  - Awaiting RRFB encroachment permit results from SCDOT for potential installation at May River Road and Calhoun, Wharf and Thomas Heyward intersections.
  - Generate RFQu for Phase 3 design and construction drawings.

#### 2. **Calhoun Street Streetscape**

- **Completed** ROW surveys.

- Preliminary engineering design is 50% complete.
- Received conceptual 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.
  - Prepare easement acquisition plats for Phase 1 in FY26 and begin easement acquisition.
  - Phased construction is planned to begin in FY27 pending budget approval and acquisition of all required easements.

### 3. Boundary Street Lighting

- Dominion **completed** installing street lighting on the west side of Boundary Street.
- **Next Steps**
  - Receive final invoice from Dominion Energy.

### 4. Boundary Street Streetscape

- Engineering design is 80% complete and submitted to agencies for review. Original land disturbance permit approved by SCDES submitted amendment for Lawrence Street outfall.
- **Next Steps**
  - Continue coordinating with Dominion Energy to obtain underground power layout and facility locations.
  - Continue with engineering design and permitting for Lawrence St. outfall.
  - Prepare easement exhibits and begin appraisals in FY25.
  - Construction begins FY26, subject to acquisition of required easements and permitting.

### 5. Ghost Roads

- Surveying and easement exhibits are **complete**.
- Bridge Street, Pritchard, Colcock, Water, Pope and Allen Quit Claim Deeds are **complete**.
- **Next Steps**
  - Based on TC and legal determination, the Town owns all Ghost Roads.

### 6. Pritchard Street Drainage Improvements

- Project scope includes drainage, streetscape elements, pedestrian connectivity, street lighting and traffic calming evaluation.
- Coordinated approval for proposed improvements with Beaufort County School District and Beaufort County on pool operation impacts.
- Street lighting agreement with Dominion approved at 6/10/25 TC Meeting.
- **Next Steps**
  - Updated Bid Ready submittal from consultant 6/10/25 pending.
  - Easement acquisition documents have been finalized, and easement acquisitions have been initiated.
  - Follow-up/complete permitting submissions.
  - IFB anticipated it to be published early July 2025.

## **WATERSHED MANAGEMENT UPDATE**

### **Administrative Update**

- Staff attended the Beaufort County Stormwater Utility Board meeting on 6/18/25.
1. **SC Department of Environmental Services May River Shellfish Harvesting Monitoring Data Year-to-Date and May River Shellfish Harvesting Status Exhibit – *Attachments 1 and 1a***
  2. **May River Watershed Action Plan Implementation Summary – *Attachment 2***
    - Updating and calibrating the May River headwaters stormwater model to begin fall of 2025.
  3. **Resiliency**
    - College of Charleston and SC Sea Grant submitted the final Resiliency Analysis.
    - The Shi Institute selected another Fellow to perform free work for the Town in the summer of 2025. The Fellow will conduct community engagement to gauge the needs and interests of community members related to heat adaptation projects such as cooling centers, community solar projects, etc.
    - Staff is coordinating with SC Sea Grant to place a water level sensor on the May River. Due to federal funding uncertainty, the installation is postponed indefinitely.
    - Staff are coordinating with the GIS Manager to gather data for the Green Infrastructure Center (GIC) to provide technical assistance for tree canopy mapping within the Town's jurisdiction. This effort is possible due to a SC Forestry Grant award. Town staff met with GIC on 6/12/25.
    - Staff submitted a preproposal for the National Coastal Resilience Fund with assistance from Adelaide Bates and the Shi Institute in May. This preproposal outlines potential work for FY26 related to a wetland restoration program. Invitations for full proposals will be sent out in mid-June.
    - Wetlands and Resiliency Ordinances:
      - Intermediate ordinance **completed** 2<sup>nd</sup> and final reading 6/10/25.
      - Task 1: Review of Town policies is underway. An interim progress report has been received. Staff provided comments to the consultant team and the progress report was finalized.
      - Task 2: Staff met with the consultant team to discuss progress and findings on Task 2 on 6/17/25.
      - Standing meetings with the South Carolina Environmental Law Project (SCELP) and South Carolina Environmental Law Center (SELC).

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

1. **MS4 Minimum Control Measure (MCM) - #1 Public Education and Outreach, and MS4 MCM – #2 Public Participation and Involvement**
  - Staff met with Beaufort County and Lowcountry Stormwater Partners to discuss a pet waste education campaign on 6/10/25.
  - WAPAC meeting scheduled 7/24/25. – ***Attachment 3***

**2. MS4 MCM – #3 Illicit Discharge Detection and Elimination**

- Four (4) Notice of Violations were issued to restaurants within the Promenade for improper disposal of fats, oils, and grease. One (1) citation was issued.
- 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 Environmental Services (SCDES) 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. Pertinent results are provided to Council via email. – **Attachment 4e**

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

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

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

- Lewis and Wright attended the quarterly South Carolina Association of Stormwater Managers meeting on 6/12/25.
- Baugher and Lewis completed their Certified Erosion Prevention and Sediment Control Inspector (CEPSCI) recertification training.

**6. 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 Simmonsville and Buck Island Roads.
- Performed ditch inspections.
  - Arrow ditch (2,569 LF)
  - Red Cedar ditch (966 LF)
  - Buck Island roadside ditch (15,926 LF)
  - Simmonsville roadside ditch (13,792 LF)
- Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simmonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road, and Eagles Field.

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

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

**Attachments**

1. SCDES Shellfish Harvesting Monitoring Data Year-to-Date
  - a. SCDES May River Shellfish Harvesting Status Exhibit
2. May River Watershed Action Plan Implementation Summary
3. MS4 Minimum Control Measures #1 and #2 – WAPAC
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 – All Sources

- d. Microbial Source Tracking Map – Human 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

	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
	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	33.0	33.0	NS		49.0	33.0	NS		17.0	7.8	NS		49.0	13.0	NS		6.8	7.8	NS		13.0	17.0	NS	
November	33.0	13.0	170.0		13.0	2.0	130.0		7.8	4.5	170.0		4.5	4.5	49.0		6.1	2.0	79.0		13.0	4.5	33.0	
October	23.0	33.0	49.0		46.0	23.0	17.0		13.0	17.0	13.0		23.0	33.0	2.0		11.0	2.0	11.0		14.0	6.8	17.0	
September	540.0	23.0	33.0		350.0	13.0	240.0		350.0	13.0	13.0		170.0	7.8	7.8		79.0	17.0	22.0		33.0	13.0	130.0	
August	23.0	23.0	33.0		23.0	49.0	23.0		11.0	6.8	23.0		13.0	13.0	49.0		17.0	23.0	49.0		11.0	2.0	13.0	
July	920.0	350.0	31.0		49.0	920.0	31.0		95.0	70.0	32.0		130.0	49.0	32.0		23.0	33.0	33.0		46.0	17.0	32.0	
June	13.0	14.0	7.8		4.5	7.8	7.8		11.0	23.0	6.8		2.0	13.0	4.5		1.8	33.0	2.0		9.3	13.0	2.0	
May	4.5	23.0	27.0	33.0	4.5	33.0	22.0	170.0	4.0	17.0	23.0	79.0	1.8	13.0	17.0	21.0	1.8	33.0	7.8	49.0	2.0	21.0	4.0	4.5
April	4.5	170.0	49.0	NS	4.5	130.0	17.0	NS	1.8	110.0	17.0	NS	2.0	70.0	4.0	NS	1.8	NS	11.0	NS	1.8	7.8	23.0	NS
March	33.0	23.0	49.0	240.0	23.0	49.0	31.0	46.0	2.0	17.0	11.0	23.0	4.5	17.0	4.5	7.8	2.0	17.0	22.0	13.0	2.0	17.0	4.5	4.0
February	23.0	540.0	49.0	33.0	31.0	350.0	49.0	49.0	17.0	240.0	11.0	79.0	22.0	240.0	22.0	79.0	2.0	33.0	7.8	13.0	11.0	33.0	11.0	17.0
January	49.0	33.0	49.0	NS	22.0	33.0	23.0	NS	33.0	13.0	4.5	NS	7.8	33.0	4.5	NS	7.8	7.8	7.8	NS	7.8	4.5	2.0	NS
** Truncated GeoMetric Mean	40.0	38.0	39.0	43.0	28.0	30.0	30.0	39.0	18.0	17.0	16.0	19.0	14.0	16.0	14.0	15.0	9.0	9.0	10.0	14.0	9.0	8.0	10.0	10.0
** Truncated 90th Percentile	192.0	211.0	187.0	160.0	91.0	152.0	163.0	202.0	72.0	77.0	79.0	73.0	54.0	71.0	74.0	67.0	41.0	44.0	47.0	54.0	32.0	26.0	38.0	41.0

NS = No Sample

SCDES Regulatory Requirements:

Geometric Mean ≤ 14

90th Percentile ≤ 43

\*\* Town staff calculations utilizing SCDES statistics

Note:

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

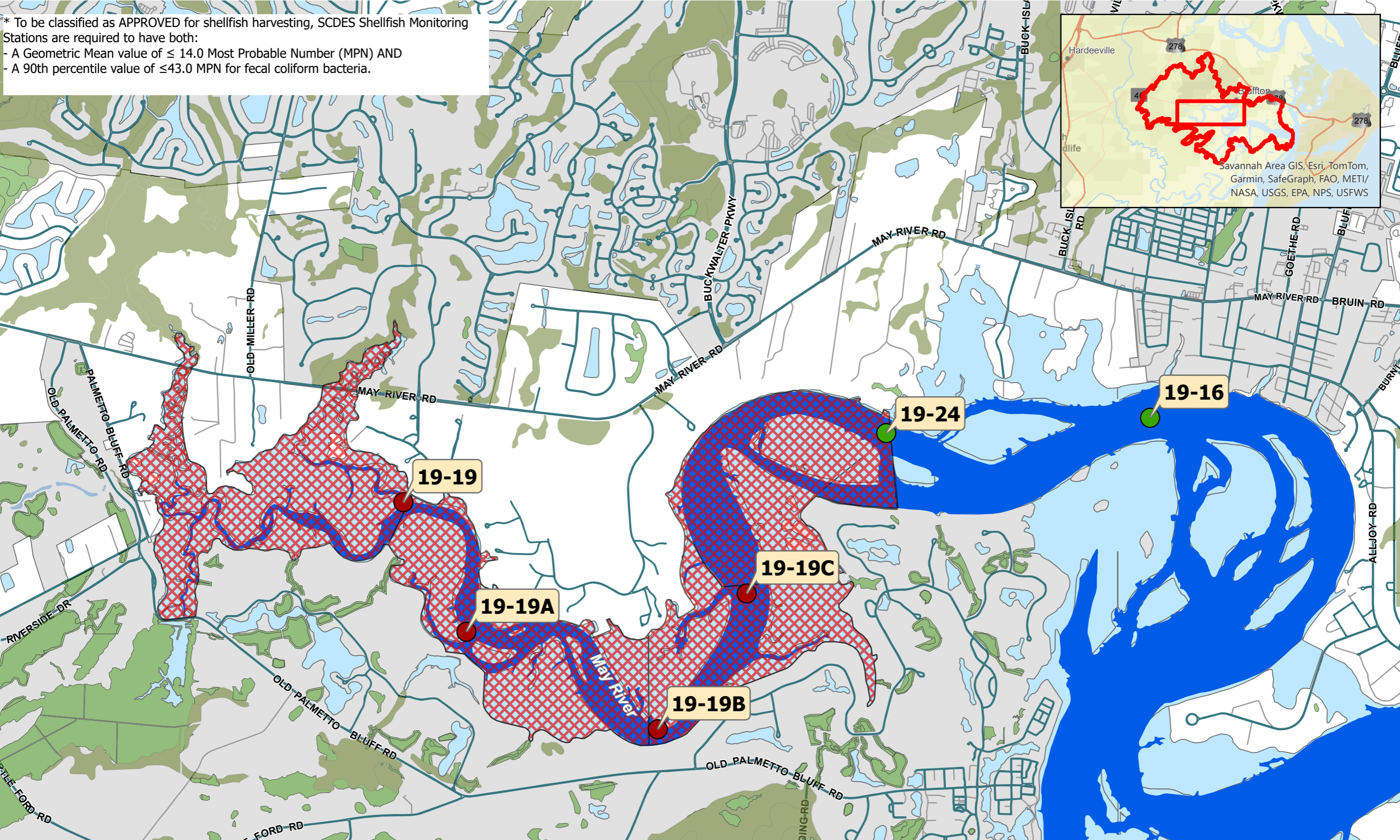
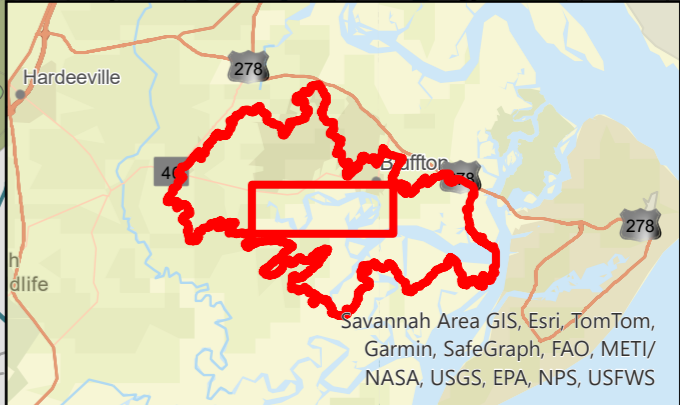
December 2025 ends the data collection period for 2026 shellfish harvesting season.

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

2025 fecal coliform data is part of the 2026 classification data collection period.

\* To be classified as APPROVED for shellfish harvesting, SCDES Shellfish Monitoring Stations are required to have both:

- A Geometric Mean value of  $\leq 14.0$  Most Probable Number (MPN) AND
- A 90th percentile value of  $\leq 43.0$  MPN for fecal coliform bacteria.

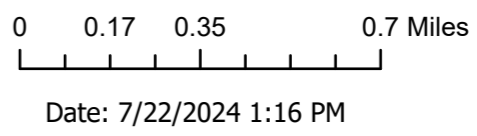


- Town Bluffton Jurisdiction
- Beaufort County Jurisdiction
- Restricted 2024/2025 Shellfish Season
- Water
- Wetlands
- Open Shellfish Monitoring Station
- Closed Shellfish Monitoring Station
- Streets

# Town of Bluffton

Beaufort County, SC

## SCDES SHELLFISH HARVESTING STATUS



## May River Watershed Action Plan Update & Modeling Report Implementation Summary

### **1. MRWAP Background**

- *May River Watershed Action Plan Update & Modeling Report* (MRWAP) was completed November 2020.
- Town Council adopted the MRWAP as a supporting document to the Comprehensive Plan in February 2021.
- The Action Plan Update & Modeling Report included the development of watershed-water quality models (WQ Model) for the four (4) May River Headwaters subwatersheds (Stoney Creek, Rose Dhu Creek, Duck Pond, and Palmetto Bluff) where the shellfish impairments are located.
- The purpose of the modeling effort was to better understand fecal coliform (FC) fate and transport in the Headwaters subwatersheds to develop strategies ultimately intended to open all shellfish stations to harvesting. To capture the variety of storm events and environmental conditions, the Project Team developed a continuous simulation of both water quantity and quality.
- The MRWAP included new water quality improvement projects resulting from the WQ Model. Additionally, the potential fecal bacteria reduction benefits of septic to sewer conversion in the four (4) Headwaters subwatersheds were modeled.

### **2. Septic to Sewer Project Recommendations/Evaluations**

#### **Background:**

- The MRWAP evaluated four (4) septic to sewer conversion projects 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.

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### **Update: Stoney Creek/Palmetto Bluff Sewer Partnership**

- BJWSA's 2022 updated cost-estimate for the project from BJWSA increased to \$7.2 million + contingencies.
- BJWSA is the Project Manager as the awardee of the RIA-SCIIP grant.
- Next Steps:
  - BJWSA updates can be found at: <https://bjwsa.org/251/Go2Sewer-for-a-Cleaner-Stoney-Creek>.

### **3. MRWAP Impervious Restoration Water Quality Projects**

#### **MRWAP Eleven (11) Proposed Projects Background**

- 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.
- 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 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.

#### **MRWAP Eleven (11) Proposed Projects Update**

- Initial site investigations including geotechnical investigations and reports are complete for 8 of the 11 participating sites.
- 15 additional sites concept plan development is in process.
- Preliminary design of each of the 8 original sites complete and to be utilized for future CIP Projects
- Next Steps
  - Adoption of Fee-in-Lieu as part of FY26 Master Fee Schedule.
  - Impervious Restoration Program Policy Document Draft submitted and under review.
  - Collaborate with Director of Procurement for an agreement with BCSD to construct impervious restoration projects at school sites.

### **MRWAP Impervious Restoration Policy Documents Update**

- Policy Document Formulation has been initiated and includes research of similar Programs Nationwide.
- Fee-in-Lieu Program Policy Document Fee-in-Lieu inclusion in the FY26 Master Fee Schedule in process.
- ToB CIP Project Impervious Restoration Program & incentives – Draft document in process.
- ToB SWrv Credit Trading Program - (under evaluation)

### **4. Other, Related MRWAP Recommendations**

#### **Background:**

- The Town should incorporate volume reduction BMPs (those that encourage infiltration) within existing and future CIP projects to the maximum extent practical (MEP), especially for project locations with well-drained soils (HSG A or B).

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

- Town is in progress of incorporating volume reduction BMPs within existing and future CIP projects to the MEP. Specific projects currently in progress include:
  - Bridge Street Streetscape Project
    - Water quality monitoring has been completed
  - Pritchard Street Streetscape Project
    - Project scope includes drainage, streetscape elements, pedestrian connectivity, street lighting and traffic calming evaluation.
    - Coordinated approval for proposed improvements with Beaufort County School District and Beaufort County on pool operation impacts.
    - Street lighting agreement with Dominion approved at June 10, 2025 TC Meeting.
    - Next Steps
      - Updated Bid Ready submittal from Consultant 6/10/25 pending.
      - Easement acquisition documents have been finalized, and easement acquisitions have been initiated.
      - Follow-up/complete permitting submissions.
      - IFB anticipated to published early July 2025.

### **5. MRWAP Water Quality Program Recommendations Update**

#### **Background:**

- Section 5.0 of the MRWAP included recommendations for the Town of Bluffton to improve upon their existing monitoring program (concentration and source typing) and flow.

**MRWAP Water Quality Program Recommendations Update:**

- 5.1.1 In-House Microbial Source Tracking:
  - Staff have reviewed the Town's MST Monitoring Program and developed a program to target areas of the May River Watershed in phases, beginning with the Crooked Cove subwatershed. Samples include all available MST markers, fecal indicator bacteria, and nutrients.
  - Staff are working to implement education and outreach programs to address continued detections of the dog genetic marker. Staff have shared pertinent results with Beaufort County Government. Staff met with Beaufort County personnel and Lowcountry Stormwater Partners to determine next steps associated with targeted education and outreach efforts.
- 5.1.2 Future (New) Bacteria Monitoring Locations & 5.1.3 Future (New) Water Flow Monitoring Locations
  - Town staff have finalized all bacteria and flow monitoring data collection efforts recommended in sections 5.1.2 and 5.1.3 of the May River Watershed Action Plan Model Report. These efforts aim to improve/calibrate the Town's stormwater model with a comprehensive dataset.
  - The scope to update/calibrate the Town's May River headwaters stormwater model has been completed. The Town posted an RFQu for services related to the Town's stormwater model and a firm has been selected.
  - The Town will roll Fiscal Year 2025 (FY25) funds for this work to FY26 through the fall budget amendment process.



# TOWN OF BLUFFTON

## MAY RIVER WATERSHED ACTION PLAN

### ADVISORY COMMITTEE

#### 2025 Meeting Schedule

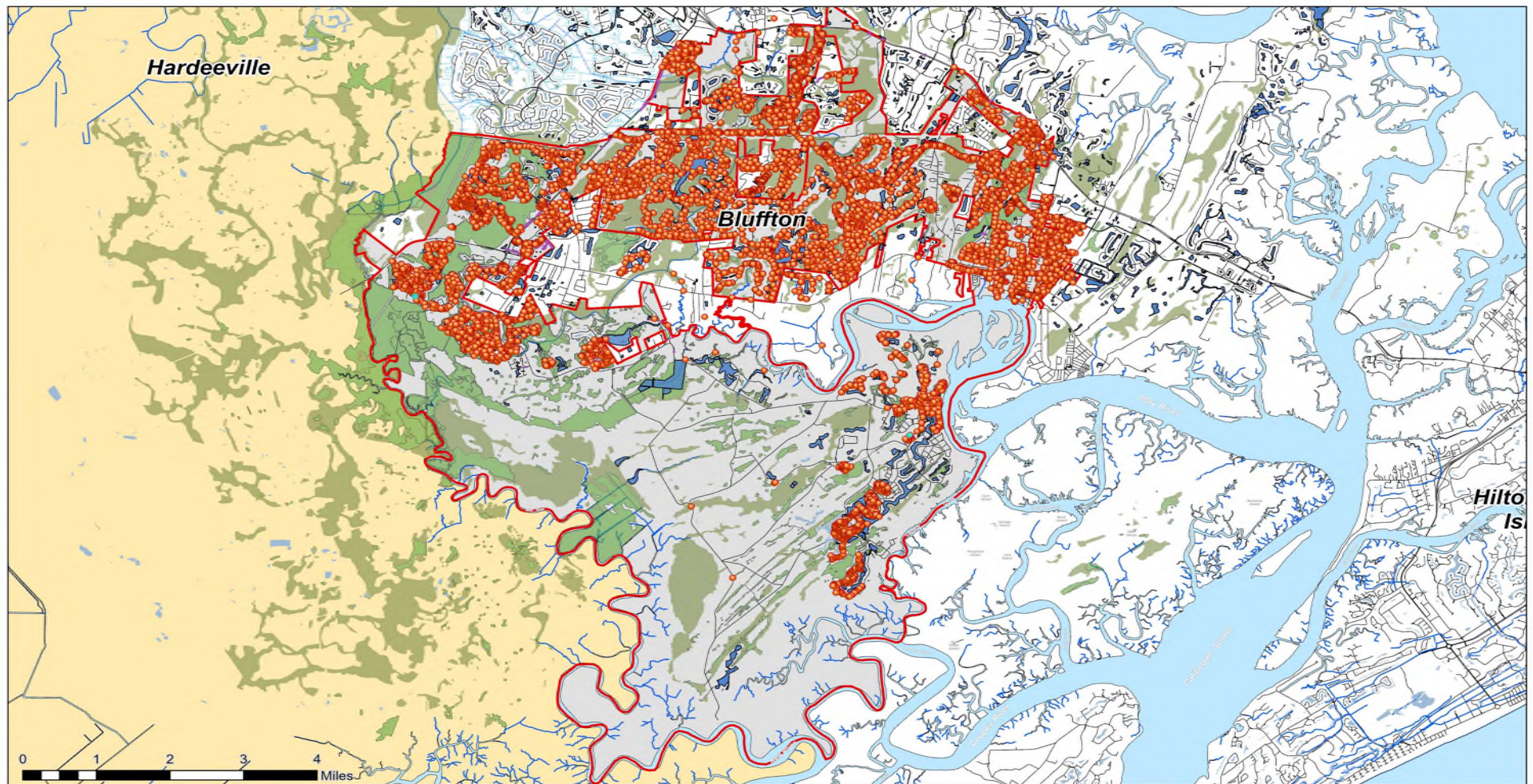
QUARTERLY MEETING DATES
January 23, 2025
April 24, 2025
July 24, 2025
October 23, 2025

REGULAR MEETINGS ARE HELD THE 4th THURSDAY OF THE MONTH AT 3:00 P.M.

**Please Note:**

Meetings will be held on scheduled meeting dates unless otherwise advertised with FOIA compliance.

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



**Town of Bluffton**  
Beaufort County, SC

## STORMWATER INFRASTRUCTURE

This map was prepared by the Town of Bluffton, Beaufort County, South Carolina, for the purpose of illustrating the location of stormwater infrastructure. It is not intended to be used for any other purpose. The Town of Bluffton is not responsible for any errors or omissions in this map. The map is provided as a reference only and should not be used for legal or financial purposes. The map is subject to change without notice.



Updated Date: 6/13/2025

### Stormwater Infrastructure Inventory Collection Status

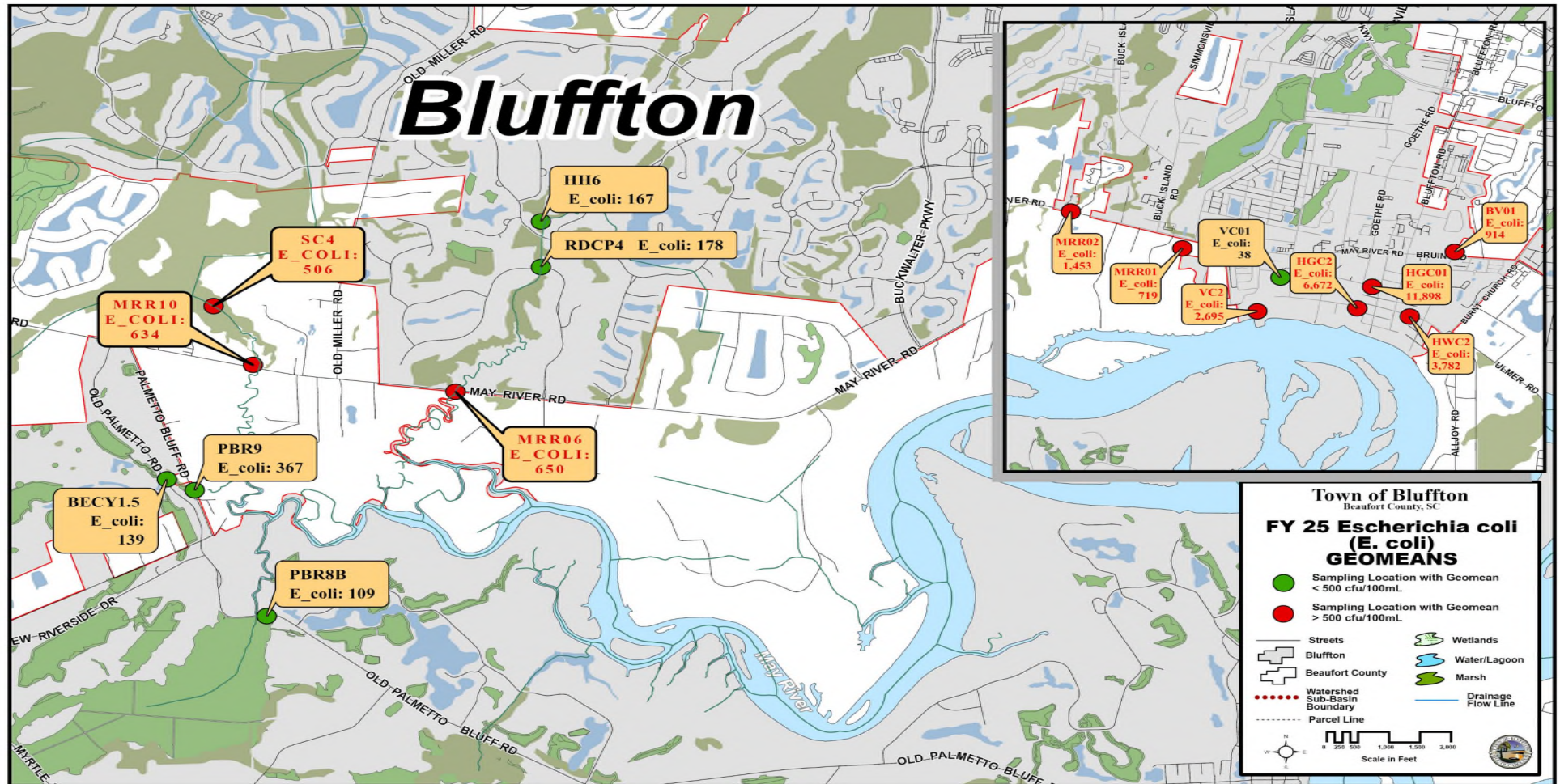
Collection Totals

18,085

FY 2025 YTD

851

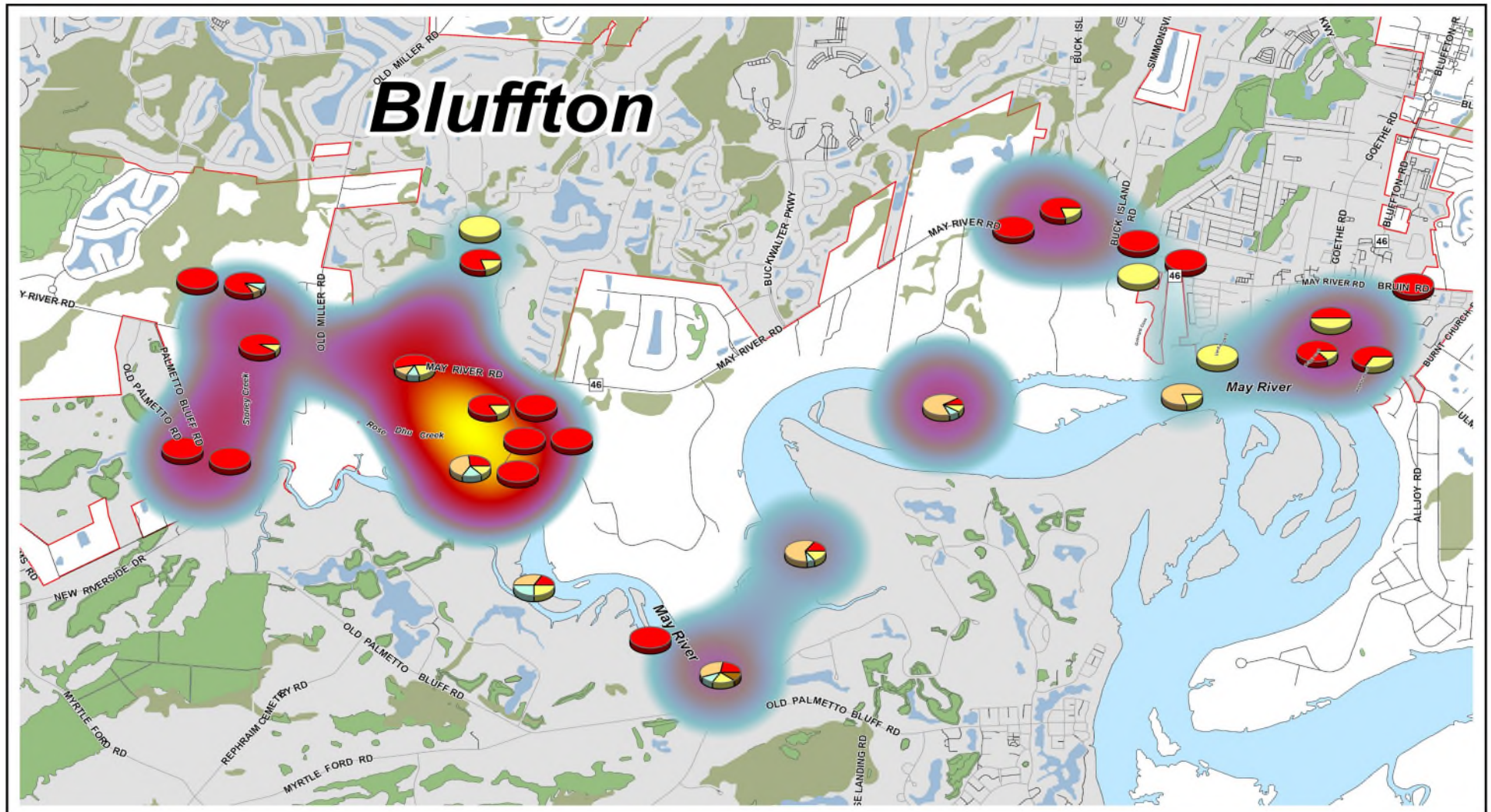
# MS4 Minimum Control Measure #3 – IDDE: *E. coli* Concentrations Trend Map



	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2025 YTD Totals	738	263	206
FY 2024 Totals	620	62	209
FY 2023 Totals	584	108	108

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



MST Sampling Results MST Sampling Sites



- Human
- Bird
- Deer
- Dog
- Horse

Intensity of samples

- Representative of Low Sampling Distribution
- Representative of High Sampling Distribution

## MICROBIAL SOURCE TRACKING (MST) LOCATIONS

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

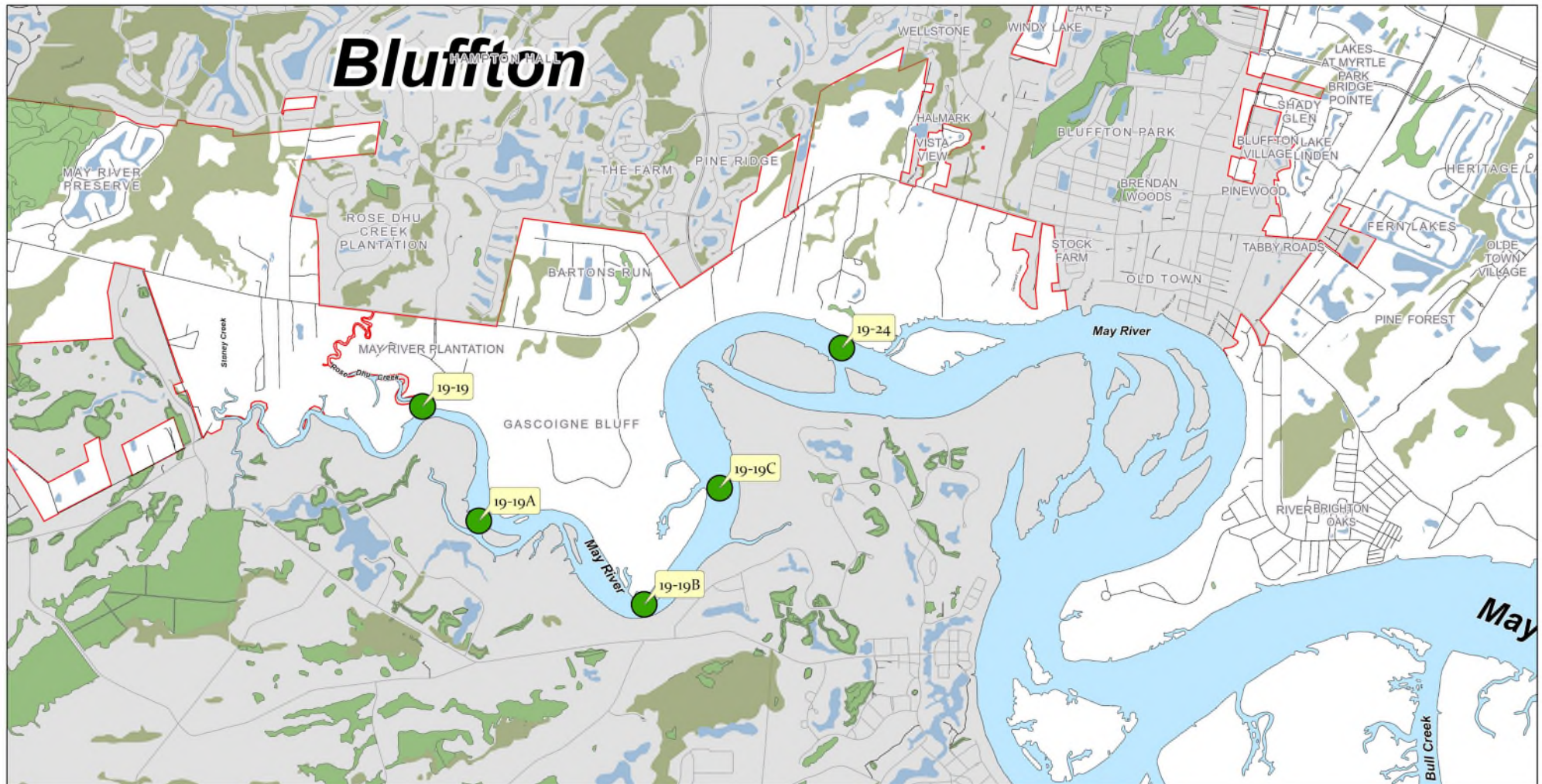
Town of Bluffton  
Beaufort County, SC

- Town Jurisdiction
- Beaufort County
- Drainage Flow Lines



Updated Date: 6/16/2025

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

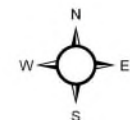


- MST Sampling Location Without Human Genetic Marker Detection
- MST Sampling Location With Human Genetic Marker Detection
- Flowline
- Street
- Town Jurisdiction
- County Jurisdiction

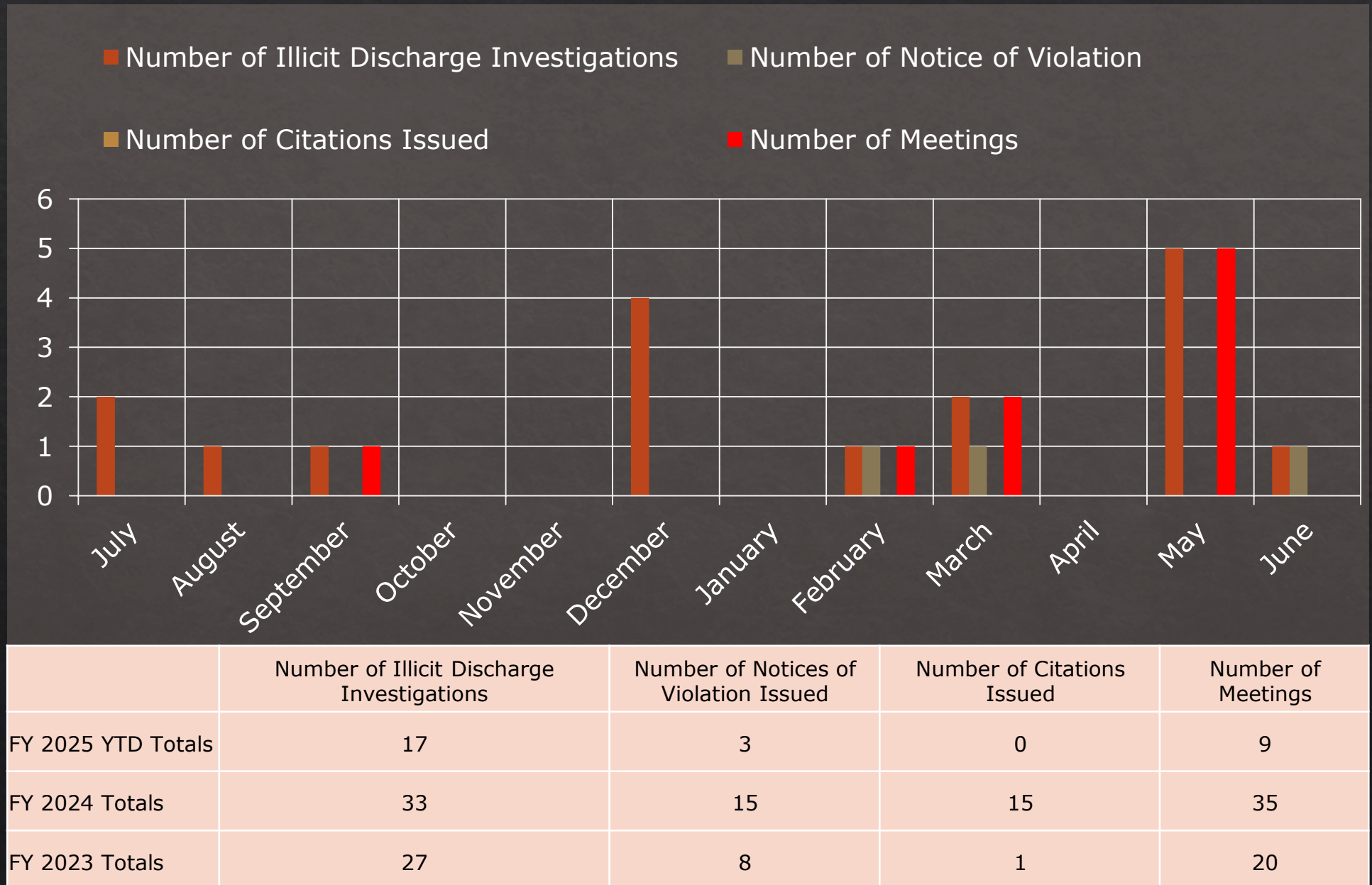
## MICROBIAL SOURCE TRACKING LOCATIONS

SCDES Sampling from May 14th, 2025

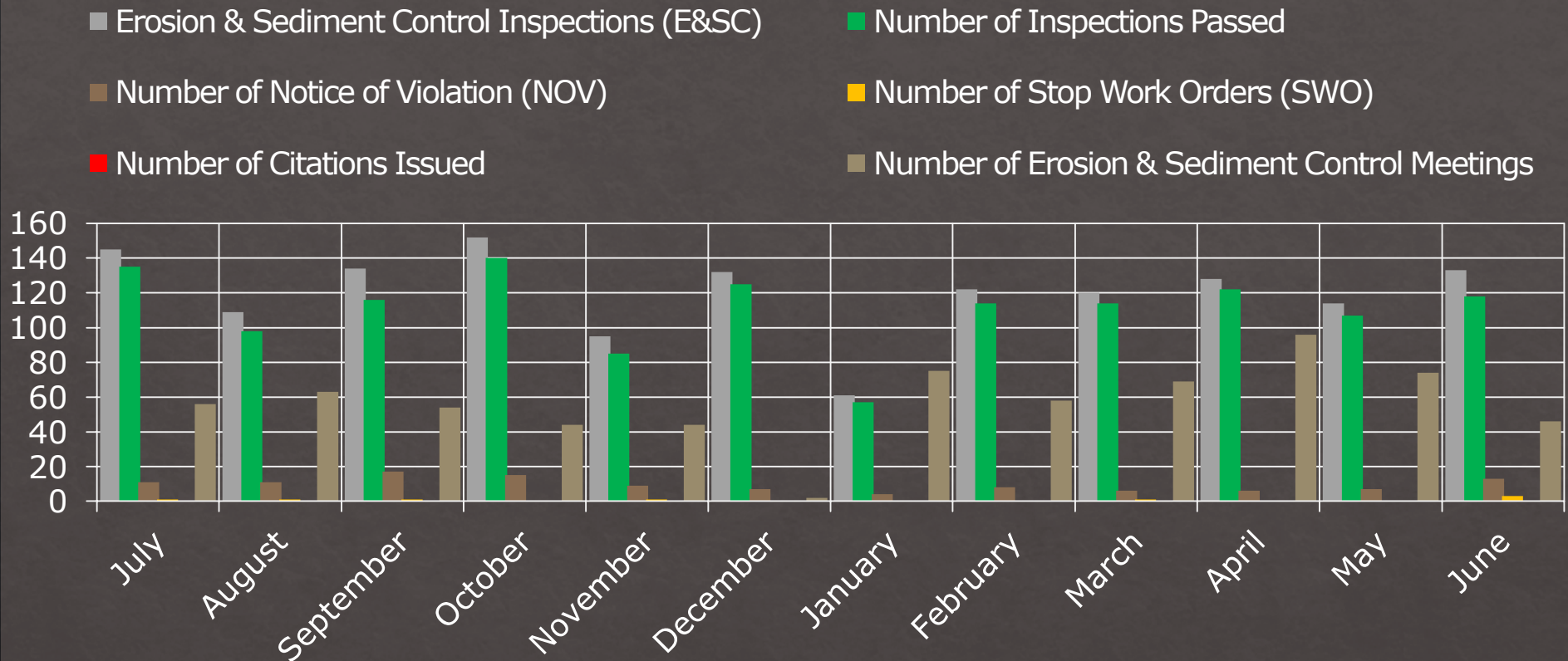
Town of Bluffton  
Beaufort County, SC



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



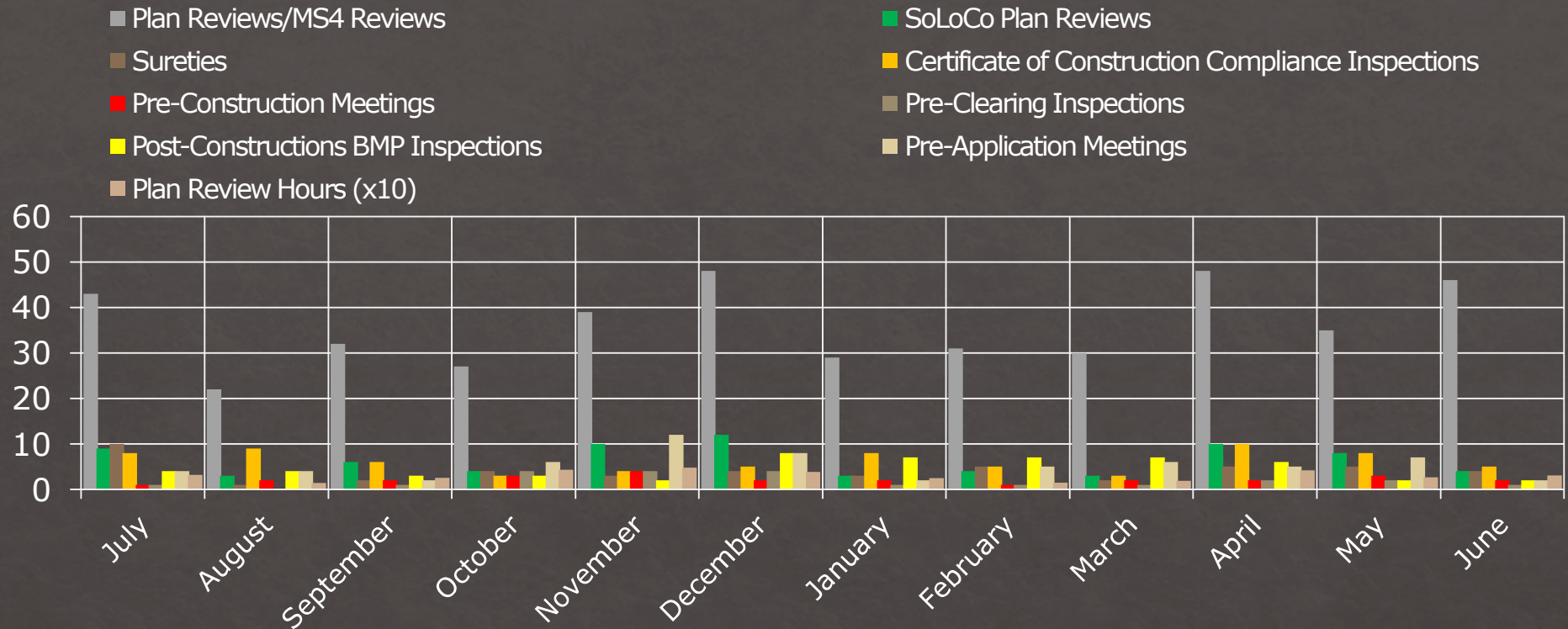
## MS4 Minimum Control Measure #4 - Construction Site Stormwater Runoff Control



	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 2025 YTD Totals	1,445	1,331	114	8	0	681
FY 2024 Totals	1,875	1,767	103	10	0	526
FY 2023 Totals	2,321	2,030	266	26	0	577

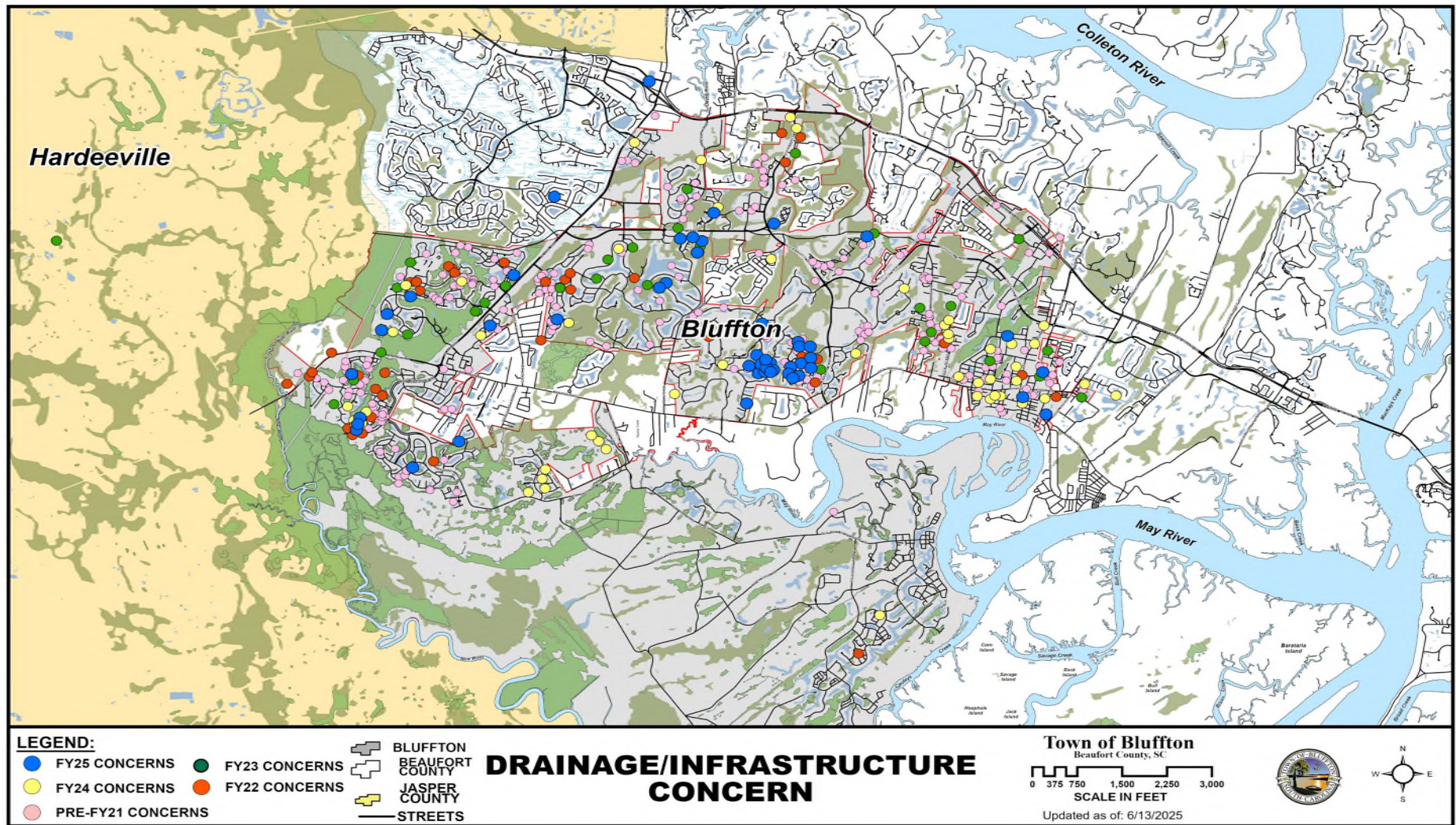
## MS4 Minimum Control Measure #5

### Stormwater Plan Review & Related Activity



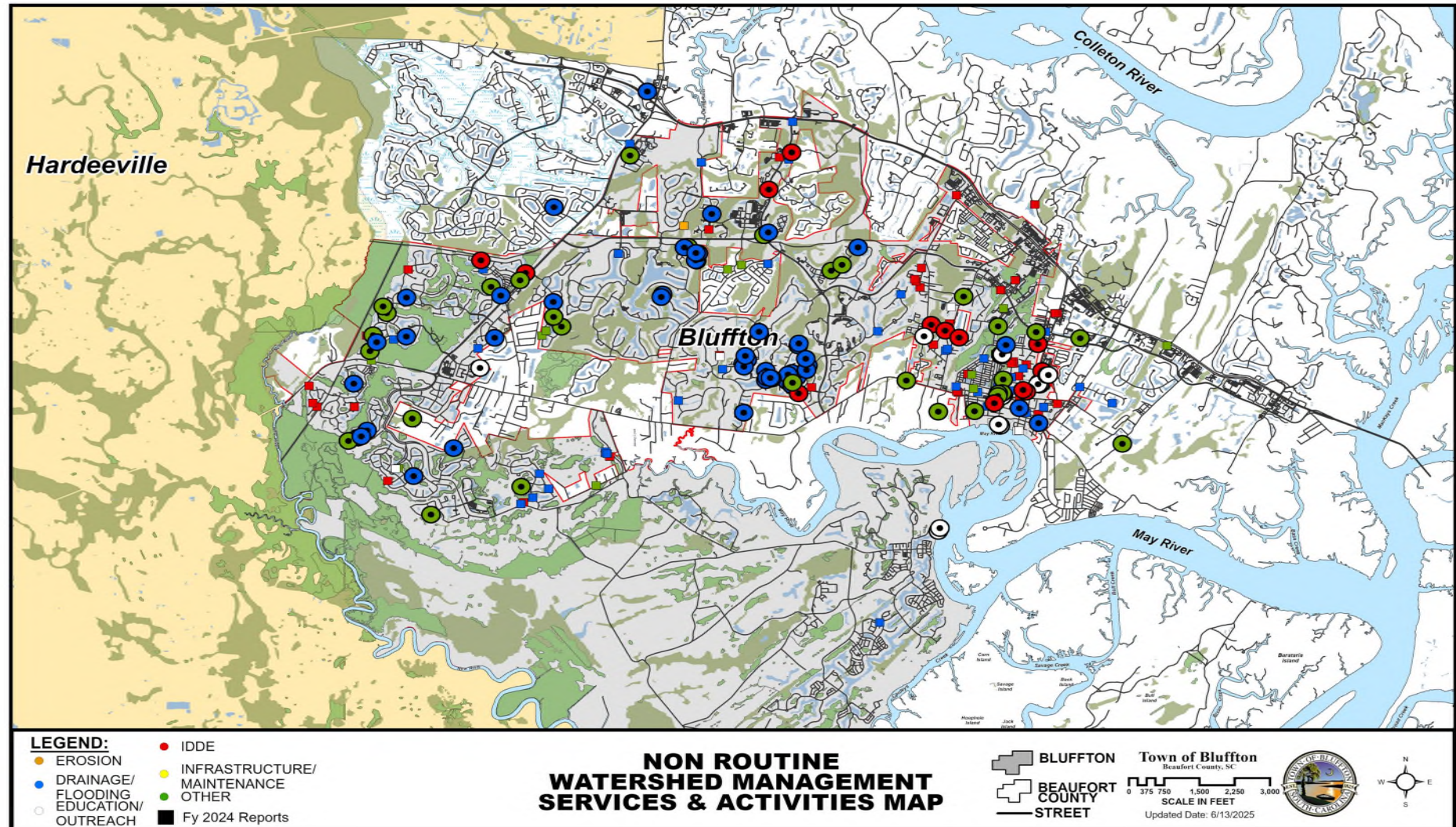
	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2025 YTD	430	76	48	74	26	22	55	63	356
FY 2024 Totals	330	63	27	69	37	28	48	47	283 Hrs.
FY 2023 Totals	297	67	42	40	15	13	45	50	386 Hrs.

# Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2025 YTD Totals	25	2
FY 2024 Totals	47	13
FY 2023 Totals	61	52

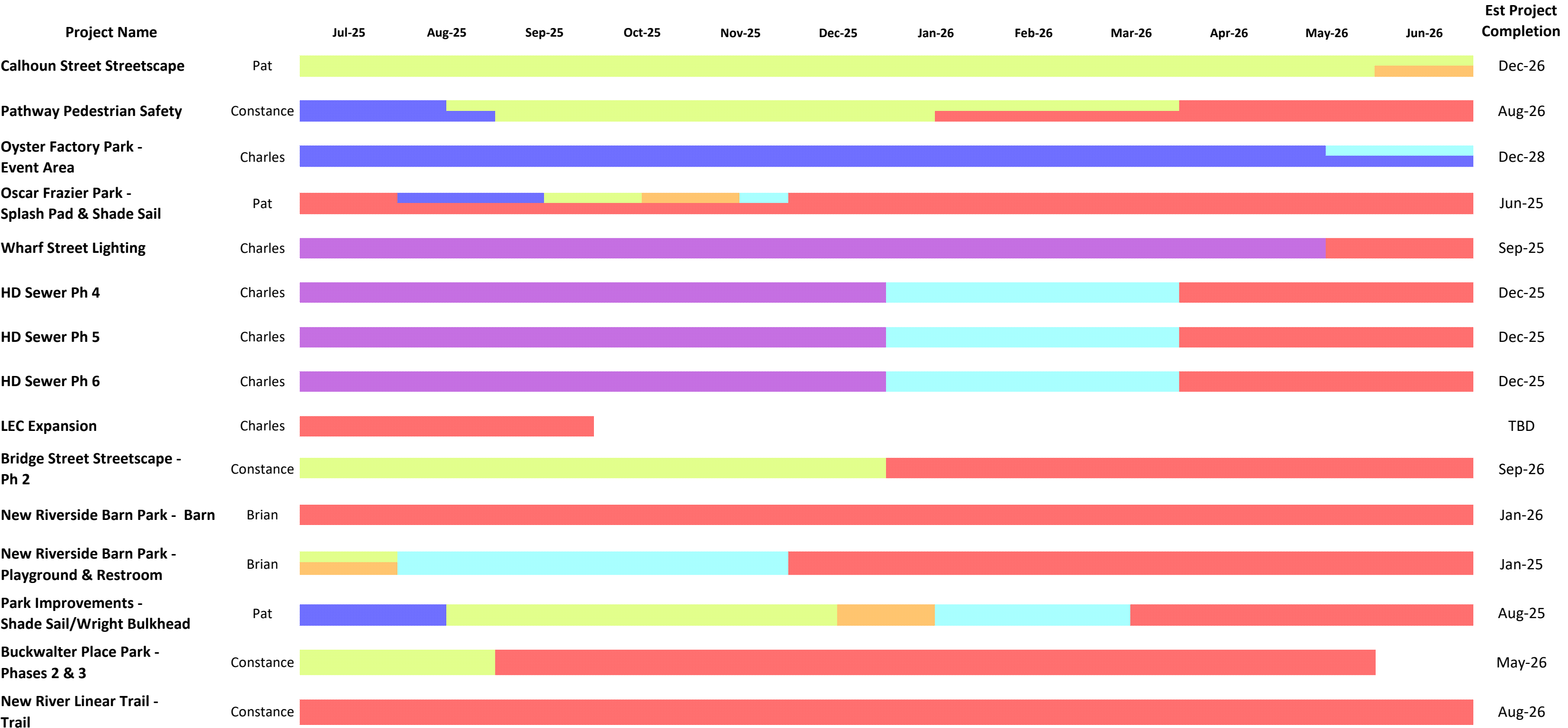
# Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2025 YTD Totals	95	21
FY 2024 Totals	137	40
FY 2023 Totals	46	23

FY26

CIP Master Project Schedule



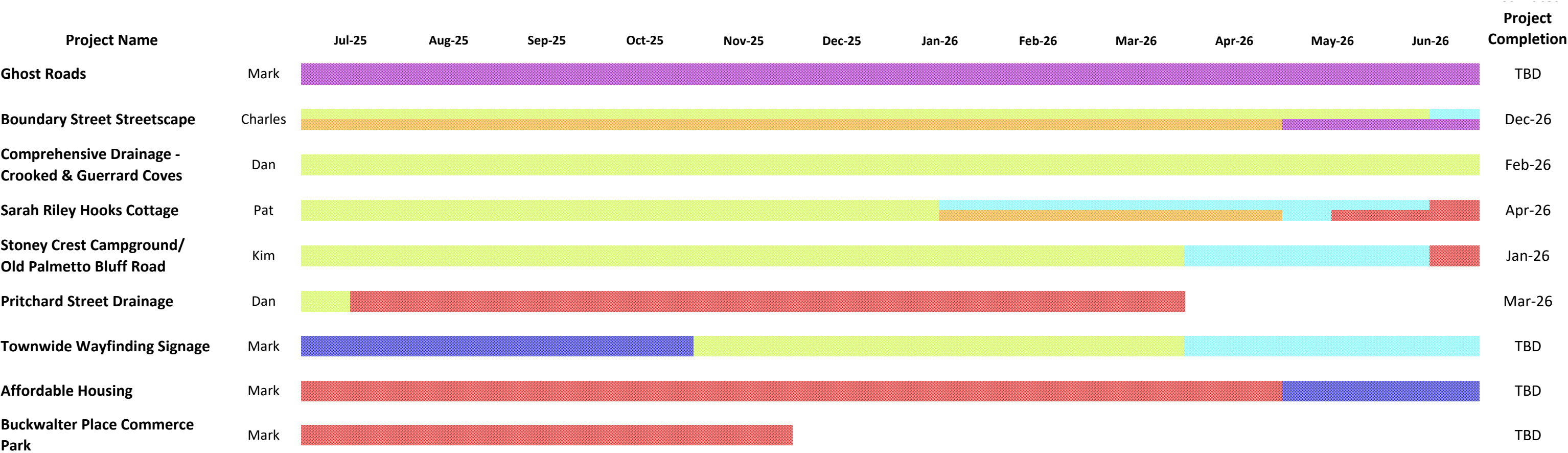
Planning & Conceptual Design

Final Design & Construction Documents

Construction

\*SUBJECT TO CHANGE\*

FY26  
CIP Master Project Schedule



Planning & Conceptual Design

Final Design & Construction Documents

Construction

\*SUBJECT TO CHANGE\*