



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, August 16th, 2023, 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 – June 21st, 2023 ([backup](#))

2. INTRODUCTIONS

3. PUBLIC COMMENT

4. REPORTS

- A. Utility Update – Katie Herrera ([backup](#))
- B. Monitoring Update – Katie Herrera ([backup](#))
- C. Stormwater Implementation Committee Report – Katie Herrera([backup](#))
- D. Stormwater Related Projects – Katie Herrera ([backup](#))
- E. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
- F. Regional Coordination – Katie Herrera ([backup](#))
- G. Municipal Reports – Katie Herrera ([backup](#))
- H. MS4 Update – Katie Herrera([backup](#))
- I. Staff Update – Katie Herrera ([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 18th ([backup](#))

9. ADJOURNMENT





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

June 14th, 2023 at 2:00 p.m.

County Council Chambers, 100 Ribaut Rd, Beaufort, SC

### Board Members

#### Present

James Clark  
Marc Feinberg  
Patrick Mitchell  
Ron Buchanan  
Dennis Ross

#### Absent

Ed Warner  
Steve Andrews

### Ex-Officio Members

#### Present

Bill Baugher

#### Absent

Van Willis  
Nate Farrow  
Jeff Netzinger

### Beaufort County Staff

Katie Herrera  
Julianna Corbin  
Bradley Harriott  
Crystal Snowden  
Pamela Cobb

### Visitors

Alice Howard, County Council

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

A. Agenda – Approved

B. Approval of Minutes – Approved, with the addition of Dennis Ross as absent.

#### 2. Introductions – Completed.

#### 3. Public Comment(s) – None.

#### 4. Special Shout Out – For Julianna Corbin and Carolyn Wallace and their services to the Stormwater Board.

#### 5. Reports

*Reports attached in agenda*

#### **Highlights:**

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

- ✓ Stormwater Utility Budget was approved by County Council.
- ✓ Southern Lowcountry Regional Board (SoLoCo)
  - Amendments were approved in late January and Beaufort County continues to coordinate with other implementing partners.

- ✓ Special Presentation
  - Discussed a potential fall meeting off-site, location TBD. Chairman Feinberg requested the Board members this of locations they would like to be at.

**B. Monitoring Update – Katie Herrera**

***Highlights:***

- ✓ USCB is considering rewriting the Memorandum of understanding in place. USCB is still operating under the previous MOU for Beaufort County.

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

***Highlights:***

- ✓ No updates at the time of the report. Discussion on the County working with the group to discuss the future of fees.

**D. Regional Coordination – Katie Herrera**

- ✓ Katie Herrera provided an update on the status of the Old Woodlands neighborhood and the progress that has been made such as driveway replacements. There has also been a surveyor engaged to survey the drainage easement in the area.

**E. Stormwater Related Projects – Julianna Corbin**

***Highlights:***

- ✓ Shell Point Community – Posted an invitation for Bid for maintenance work within the project.
- ✓ Huspah Ct N – should start next Fiscal Year
- ✓ Bessies Lane – Still waiting on quote from JH Hiers
- ✓ Church of God – beginning June 19th
- ✓ Tuxedo Park Pond – should go back out for bid. Chairman Feinberg asked questions about the project. Revised the bid to make it more clear for bidders.

**F. Professional Contracts Report – Julianna Corbin**

***Highlights:***

- ✓ Brewer Memorial – Closing out with engineer of record.
- ✓ Stormwater engineering consulting services – Woolpert

b) Scope #11 – Northern Lady’s Island Drainage Study Phase II – Report draft is pending. Allocated funds – \$213,650.00

c) Scope #12 – Monitoring Station and rain gauge at Okatie River headwaters almost in. Allocated funds - \$58,804.15

e) Scope #14 – Rivers End Water Quality Improvements – Data compilation, stormwater inventory and survey, potential BMP identification, Model development, alternatives analysis, and drainage report. Allocated funds - \$174,465.00. Approved February 16, 2023. Inventory complete and survey to begin first week of April.

## **G. Municipal Reports**

### ***Highlights:***

- ✓ Town of Bluffton (From Bill Baugher)
  - Passed their budget
  - Rivershed Action Plan – watershed retrofit projects funding secured.
  - May River baseline study got approved, 2004, update baseline study for right now.
  - Sewer program is moving forward.
- ✓ City of Beaufort (Katie Herrera)
  - Leveraged funds from Federal Program for the Baynard St Drainage Project.

## **H. MS4 Update – Julianna Corbin**

### ***Highlights:***

- ✓ Plan Review – steady influx.
- ✓ Stormwater Permits
- ✓ Monthly Inspection summary – staying very busy, team is excited about keeping in compliance.
- ✓ Weather Station Data
- ✓ Education Report presented by Julianna. Reworking the strategic plan.
- ✓ MS4 Statewide General permit – Have a draft version created. Also creating a
- ✓ Staff working with Hilton Head Airport.
- ✓ Carolyn W went to Capital Projects, Julianna leaves on June 28<sup>th</sup>, continue to interview for vacant positions. 4 staff members attended the International Erosion Control conference in Tennessee. New camera truck in, Scott Youmans is jumping in to get it operational. Stephen Carter is now the Superintendent of Infrastructure.

## **I. Maintenance Projects Report – Bradley Harriott.**

### ***Highlights:***

- ✓ Major projects:
  - Vineyard Point Rd
  - Mary Jenkins Circle and Pineland Ave.
- ✓ Minor or routine projects:
  - Sheldon Bush hog
  - Godwin
  - Port Royal Island Bush hog

## **J. Liaison Report – Alice Howard**

- ✓ Shout out to Dennis Ross for the Planning Commission Meeting
- ✓ Shell Point Baptist – traffic meeting
- ✓ Arthur Horne – Alligator
- ✓ Community Services and Land Use Committee – confirmation on several projects.

**6. Unfinished Business –**

✓ None.

**7. New Business**

✓ Board Consolidation effort is on going.

**8. No Public Comment.**

**9. Meeting Adjourned**

DRAFT



**BEAUFORT COUNTY  
STORMWATER UTILITY**  
120 Shanklin Road  
Beaufort, South Carolina 29906  
Voice (843) 255-2805 Facsimile (843) 255-9436



July 2023

## Utility Update

1. Regionalization (SoLoCo)
  - a) Staff continues to support coordination on permitting standards.
    1. Amendments to the SoLoCo manual for adoption were approved at the 1/23/23 County Council meeting.
  - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
    1. Town of Hilton Head is considering adopting SoLoCo.
2. Special presentation suggestions
  - a. Fall meeting location suggestions
3. Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30<sup>th</sup>, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year.
  - a. Beaufort County – Received.
  - b. Town of Hilton Head Island – Received.
  - c. Town of Bluffton – Received.
  - d. Town of Port Royal – Received.
  - e. City of Beaufort – Received.
4. Staff working on wrapping up all items for the close out of fiscal year 2023, issuing new Purchase Orders, and signing all pertinent contracts.

## Monitoring Update

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

## Stormwater Implementation Committee (SWIC) Report

1. No update at the time of report.

## Regional Coordination

1. Old Woodlands – routine maintenance performed by staff last month. Project report coming soon. Survey has been performed on the drainage easement between Marblehead and Indian Trail.

## Municipal Reports

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

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

### **Stormwater Related Projects**

1. Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements.
2. Complaints – Staff continually works numerous drainage related complaints each month.
  - a) Shell Point Community – One bid was received for job. Public meeting to be scheduled for August 22<sup>nd</sup> from 6-7pm.
3. Factory Creek Watershed Regional Detention Basin “Phase II” – Staff working with legal team on mediation.
4. On Call Stormwater infrastructure services
  - a) Huspah Court N – Staff working on approving purchase order/scheduling
  - b) Bessies Lane – County received estimate. Staff working through approvals.
  - c) Church of God – Project completed in late June. Minor sinkholes formed, contractor going back to finish job.
5. Arthur Horne Park- No update since last report

### **Professional Contracts Report**

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
  - a) Brewer Memorial – Closeout pending.
2. Stormwater engineering consulting services – Woolpert
  - a) Scope #8 – St. Helena Drainage Study. Final report draft received 6/30. Allocated funds – \$129,525.00
  - b) Scope #11 – Northern Lady’s Island Drainage Study Phase II – Draft report is completed. Staff reviewing and providing comments as necessary. Allocated funds – \$213,650.00
  - c) Scope #12 – Monitoring Station and rain gauge at Okatie River headwaters. Installation scheduled for late July. Allocated funds - \$58,804.15
  - d) Scope #13 – NPDES SMS4 general permit assistance 2023. Allocated funds - \$40,000.00.
  - e) Scope #14 – Rivers End Water Quality Improvements – Data compilation,

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stormwater inventory and survey, potential BMP identification, Model development, alternatives analysis, and drainage report. Allocated funds - \$174,465.00. Approved February 16, 2023. Survey complete and hydraulic model is in progress.

- f) Scope #15 – Plan Review. Staff reviewing Task Order.
- g) Scope # 16 – Tax Run – County to hand over workflow of tax run to assist with workload. Staff reviewing task order.

Scopes on County and Woolpert Radar:

- 1. SWMP Update – staff to update stormwater management plan for DHEC.
- 2. 5 year Stormwater Utility Fee Assessment – Budget deep dive to look at next TY SWU fees.

### **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. Energov permitting software – No update at this time.
- 6. MS4 Statewide General permit – No update at this time.

### **Staff Update**

- 1. Staff working to fill all vacant positions.
- 2. Dafiney Butler started on July 31<sup>st</sup> as the Environmental Assistant. She has worked for Beaufort County since March 2018, and comes to us from the Treasurers Office.
- 3. New Program Manager (Taylor Brewer) starting September 5<sup>th</sup>. She is currently the Program Manager for Lexington County, so she will be joining with South Carolina MS4 experience.

## USCB Water Quality Lab Update

### Beaufort County

**USCB/Beaufort County Contract MOU:** New contract is in place as of 6/7/22 with an expiration of 5 years on 6/6/27. New contract revisions will be submitted by USCB with changes to Principal Investigator for PhD holding faculty only with salary support. This is a newly created requirement by Vice Chancellor Skipper will follow what Town of Bluffton agreed to for continuation of services with USCB Water Quality Laboratory.

**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 samples include BCOK1, New01, OKW3A, MRR02, BCD-PR, BCD-YM (6/9/23, WET); BCBR4, BCBR5, BCBR7(4/10, WET) and OKW3A, MRR02, BCJC1 (4/27, DRY). Samples the following samples were collected on 6/27/23, but it was determined that there had been too much rain: BCOK2, BCOK3, BCCCI, BCCC2, BCD-CR, BCD-LM, BCBR1, and BCBR1.

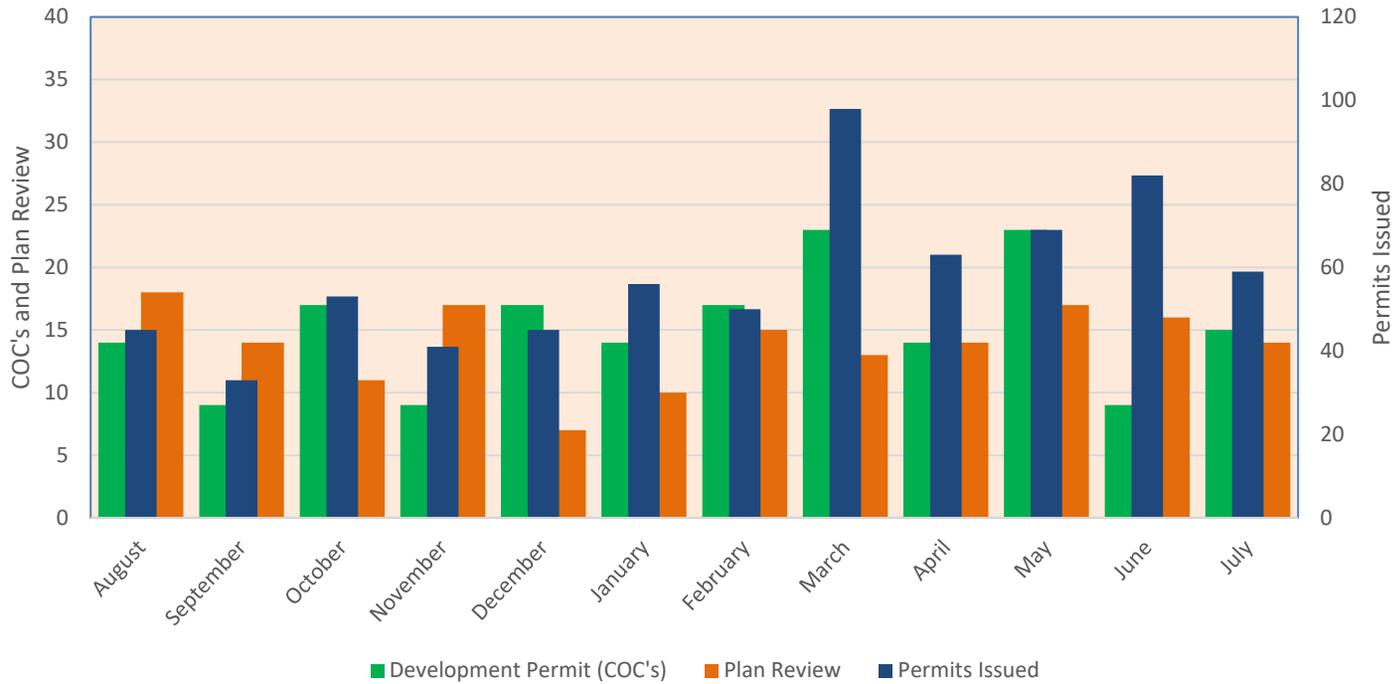
Danielle Mickel still Family Leave and will not return until August 18). Dry samples were collected for May with the exception of New 01. No additional samples were collected in the third quarter due to too much rain or conflicts with the tides

### Town of Bluffton

**USCB/Town of Bluffton MOU:** New contract agreed upon with Town of Bluffton and USCB was executed on July 18, 2023.

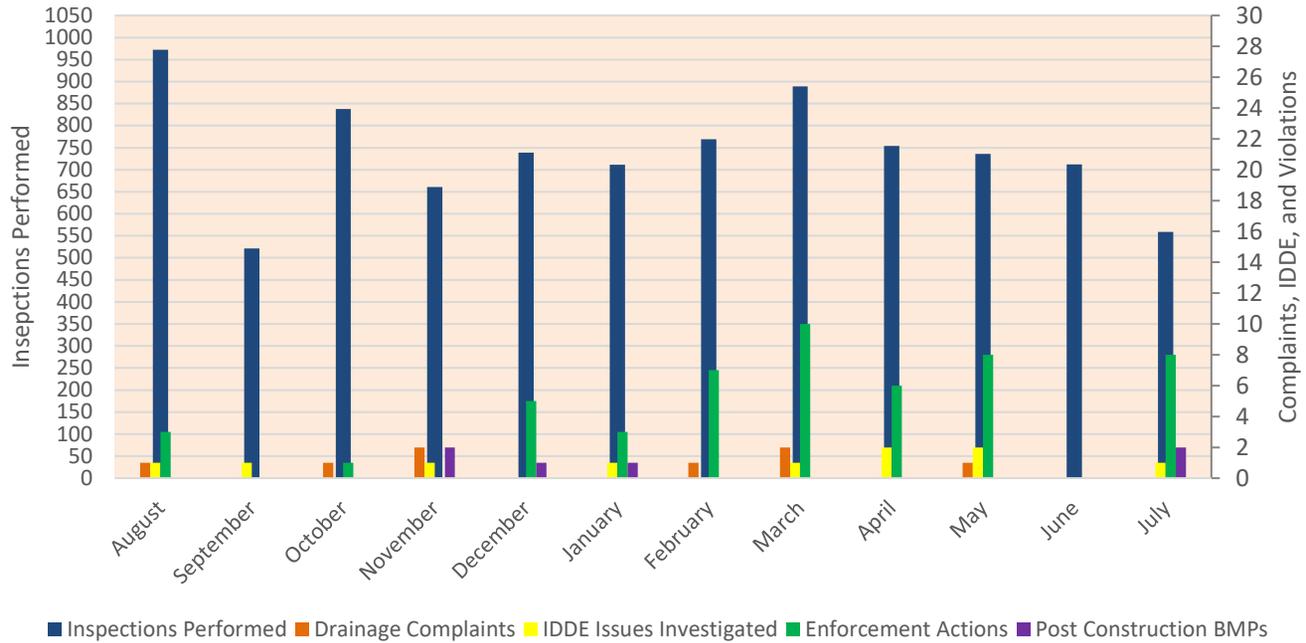
**Monitoring for 2023** includes monitoring for the following categories: MS4, TMDL, Monthly, MST, CIP, MRWAP and shared locations. Also, sample collection began for Bridge Street sites for wet weather. **Status:** Monitoring continues with additional sampling sites and increased frequency of 2X a month.

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



TYPE	August	September	October	November	December	January	February	March	April	May	June	July	Last 12 Months
Development Permit (COC's)	14	9	17	9	17	14	17	23	14	23	9	15	181
Plan Review	18	14	11	17	7	10	15	13	14	17	16	14	166
Permits Issued	45	33	53	41	45	56	50	98	63	69	82	59	694

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



TYPE	August	September	October	November	December	January	February	March	April	May	June	July	Last 12 Months
Inspections Performed	972	521	838	661	739	711	769	889	754	736	712	559	8861
Drainage Complaints	1	0	1	2	0	0	1	2	0	1	0	0	8
IDDE Issues Investigated	1	1	1	1	0	1	0	1	2	2	0	1	10
Enforcement Actions	3	0	1	0	5	3	7	10	6	8	0	8	51
Post Construction BMPs	0	0	0	2	1	1	0	0	0	0	0	2	6

Project (Year 2022)	Project Type	POC	Direct/Indirect	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Small Grants Program	Programs	Bacteria, Freshwater	Direct												
Pet Waste Station Map	Programs	Bacteria	Indirect												
Pet Waste Displays at Local Orgs	Other	Bacteria	Indirect												
Septic Workshop	Programs	Bacteria	Direct												
Bilingual Septic Rack Cards	Publication	Bacteria	Indirect												
Septic "Welcome to the Neighborhood" Packets	Publication	Bacteria	Indirect												
Boater Informational Packet	Publication	Bacteria	Indirect												
Boater online resources	Publication	Bacteria	Indirect												
Boater Waste Signage	Media	Bacteria	Indirect												
Boater Waste Buckets/Bags	Purchases	Bacteria	Indirect												
Adopt-A-Landing/Clean Marina Program	Programs	Bacteria	Direct												
2023 Beaufort Stormwater Pond Conference	Programs	Nutrients	Direct												
Healthy Pond Series: North	Programs	Nutrients	Direct												
Healthy Pond Series: South	Programs	Nutrients	Direct												
Healthy Pond Series: Central	Programs	Nutrients	Direct												
Soil sample placards at retailers	Media	Nutrients	Indirect												
Native Plant Signage	Media	Nutrients	Indirect												
Native Seed Promo Packet	Purchases	Nutrients	Indirect												
Soil Sample Bags at Local Retailers	Other	Nutrients	Indirect												
Buffer Workshop	Programs	Nutrients	Direct												
LID Lunch-and-Learn	Programs	Freshwater	Direct												
BMP Park Field Day	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
LID Map/Website Updates	Programs	Freshwater	Indirect												
BMP info packet	Publication	Freshwater	Indirect												
BMP Social Media Campaign	Publication	Freshwater	Indirect												
2024 Strategic Plan Update	Publication	Consortium Management	Indirect												
Being a Neighbor for Clean Water (Fall)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
Rain Barrel Sale	Programs	Freshwater	Direct												
Adopt-A-Stream (Spring)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
Adopt-A-Stream (Fall)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
4-H2O (July)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct							6.00					
Kids in Kayaks	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
LSP consortium meeting (March)	Programs	Consortium Management	Direct												
LSP consortium meeting (June)	Programs	Consortium Management	Direct												
LSP consortium meeting (Sept)	Programs	Consortium Management	Direct												
LSP consortium meeting (Dec)	Programs	Consortium Management	Direct												
Water Festival	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
May River Sweep	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Keep Broad Creek Clean Festival	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Beach/River Sweep	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Soft Shell Crab Festival	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Paris Island Earth Day	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Shrimp Fest	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Changing Tides (monthly)	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
News Article 1	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
News Article 2	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
News Article 3	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
FB posts (one a week)	Media	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
SWUB Report (monthly)	Reporting	Consortium Management	Indirect												
LSP Annual Report	Reporting	Consortium Management	Indirect												
Rack Cards	Purchases	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Mailers	Purchases	Bacteria, Nutrients	Indirect												
LSP Promo Materials	Purchases	Consortium Management	Indirect												
Direct Contacts	Other	General Stormwater, Bacteria, Nutrients, Freshwater	Direct							20.00					
Rain Garden Workshop	Programs	Freshwater	Direct												

KEY	
	Not Started
	In Progress
	Completed



## MEMORANDUM

Date: August 04, 2023

To: Stormwater Management Utility Board

From: Stephen Carter, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

### **Major Projects:**

- **Wimbee Landing Road – Sheldon (5):** This project improved 1,362 linear feet of drainage system. The scope of work included cleaning out 1,362 linear feet of roadside ditch. Upsized (1) driveway pipe, installed rip rap and handseeded for erosion control. The total cost was **\$21,073.18.**

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

- **Bluffton Vacuum Truck – Bluffton (4):** The scope of work included cleaning out (6) catch basins. The total cost was **\$5,481.94.**
- **Candy Johnson Drive Channel – St Helena Island (8):** This project improved 993 linear feet of drainage system. The scope of work included cleaning out 587 linear feet of channel and 406 linear feet of roadside ditch. The total cost was **\$4,128.26.**
- **David Green Road Channel – St Helena Island (8):** This project improved 534 linear feet of drainage system. The scope of work included cleaning out 534 linear feet of channel. The total cost was **\$1,851.53.**
- **Hilton Head Island Airport Parking Lot – Hilton Head Island (3):** The scope of work included restabilizing the parking lot area. The total cost was **\$5,456.73.**
- **Hilton Head Island Airport Bush Hog – Hilton Head Island (3):** This project improved 14,670 linear feet of drainage system. The scope of work included bush hogging 14,670 linear feet of channel. The total cost was **\$9,475.08.**
- **Lady's Island Vacuum Truck – Lady's Island (7):** The scope of work included cleaning out (18) catch basins and jetting (2) crossline pipes. The total cost was **\$4,048.53.**

- **Port Royal Vacuum Truck – Port Royal Island (6,9):** This project improved 50 linear feet of drainage system. The scope of work included cleaning out (4) catch basins, (3) crossline pipes, (2) driveway pipes and 50 linear feet of roadside pipe. The total cost was **\$2,315.15**.
- **Scott Hill Road Channel #2 – St Helena Island (8):** This project improved 2,867 linear feet of drainage system. The scope of work included cleaning out 1,979 linear feet of channel and 888 linear feet of roadside ditch. The total cost was **\$9,311.92**.
- **ToHHI Vacuum Truck – Hilton Head Island (3):** This project improved 311 linear feet of drainage system. The scope of work included cleaning out (6) catch basins, jetting (1) crossline pipe and 311 linear feet of channel pipe. The total cost was **\$5,925.14**.



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

**Project Summary:** Wimbee Landing Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 03/14/2023 - 06/02/2023

**Narrative Description of Project:**

Project improved 1,362 L.F. of drainage system. Cleaned out 1,362 L.F. of roadside ditch. Upsized (1) driveway pipe, installed rip rap and handseeded for erosion control.

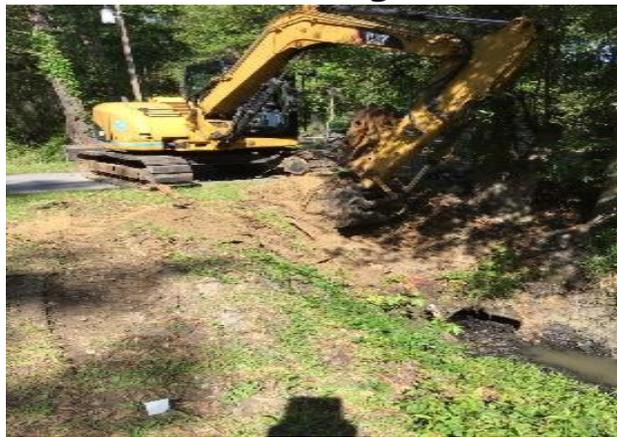
**2023-590 / Wimbee Landing Road**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	5.50	\$185.52	\$0.00	\$0.00	\$0.00	\$114.51	\$300.03
DPUP / Driveway Pipe - Upsized	70.50	\$2,187.49	\$372.50	\$2,460.36	\$0.00	\$1,350.30	\$6,370.65
HAND / HANDSEEDED	12.00	\$399.23	\$17.40	\$94.20	\$0.00	\$246.44	\$757.27
HAUL / Hauling	80.00	\$2,485.31	\$1,524.80	\$2,560.45	\$0.00	\$1,386.04	\$7,956.60
ONJV / Onsite Job Visit	8.00	\$390.72	\$34.80	\$5.80	\$0.00	\$241.20	\$672.52
PP / Project Preparation	16.00	\$546.76	\$59.13	\$26.10	\$0.00	\$347.60	\$979.59
RSDCL / Roadside Ditch - Cleanout	76.00	\$2,106.79	\$352.42	\$238.91	\$0.00	\$1,300.48	\$3,998.60
UTLOC / Utility locates	1.00	\$24.70	\$0.00	\$0.00	\$0.00	\$13.23	\$37.93
<b>Grand Total</b>	<b>269.00</b>	<b>\$8,326.52</b>	<b>\$2,361.05</b>	<b>\$5,385.82</b>	<b>\$0.00</b>	<b>\$4,999.80</b>	<b>\$21,073.18</b>

**Before**



**During**



**After**





Project: Wimbee Landing Road

Activity: Routine/ Preventive Maintenance

Project #: 2023-590

Township/SW Dist: Sheldon/5

Completed: June 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 = 500 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 07/31/23

File: C:\project summaries map\Wimbee Landing Road\_2023-590



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

**Project Summary: Bluffton Vacuum Truck**

Myrtle Court, Oyster Street, HE McCracken Circle and Goethe Road.

**Activity:** Routine/Preventive Maintenance

**Duration:** 07/12/2022 - 05/19/2023

**Narrative Description of Project:**

Cleaned out (6) catch basins.

**2023-310 / Bluffton Vacuum Truck**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	0.50	\$16.87	\$0.00	\$0.00	\$0.00	\$10.41	\$27.28
CBCO / Catch basin - clean out	44.00	\$1,397.33	\$843.04	\$322.67	\$0.00	\$869.10	\$3,432.14
SITEINSP / Site Inspection	16.00	\$503.37	\$306.56	\$144.72	\$0.00	\$320.08	\$1,274.73
WEED / Weedeating	24.00	\$549.96	\$34.80	\$38.08	\$0.00	\$124.96	\$747.80
<b>Grand Total</b>	<b>84.50</b>	<b>\$2,467.52</b>	<b>\$1,184.40</b>	<b>\$505.47</b>	<b>\$0.00</b>	<b>\$1,324.55</b>	<b>\$5,481.94</b>

**Before**



**During**



**After**





Project: Bluffton  
Vacuum Truck -  
Myrtle Court  
Map #1

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-310

Township/SW Dist:  
Bluffton/4

Completed:  
May 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

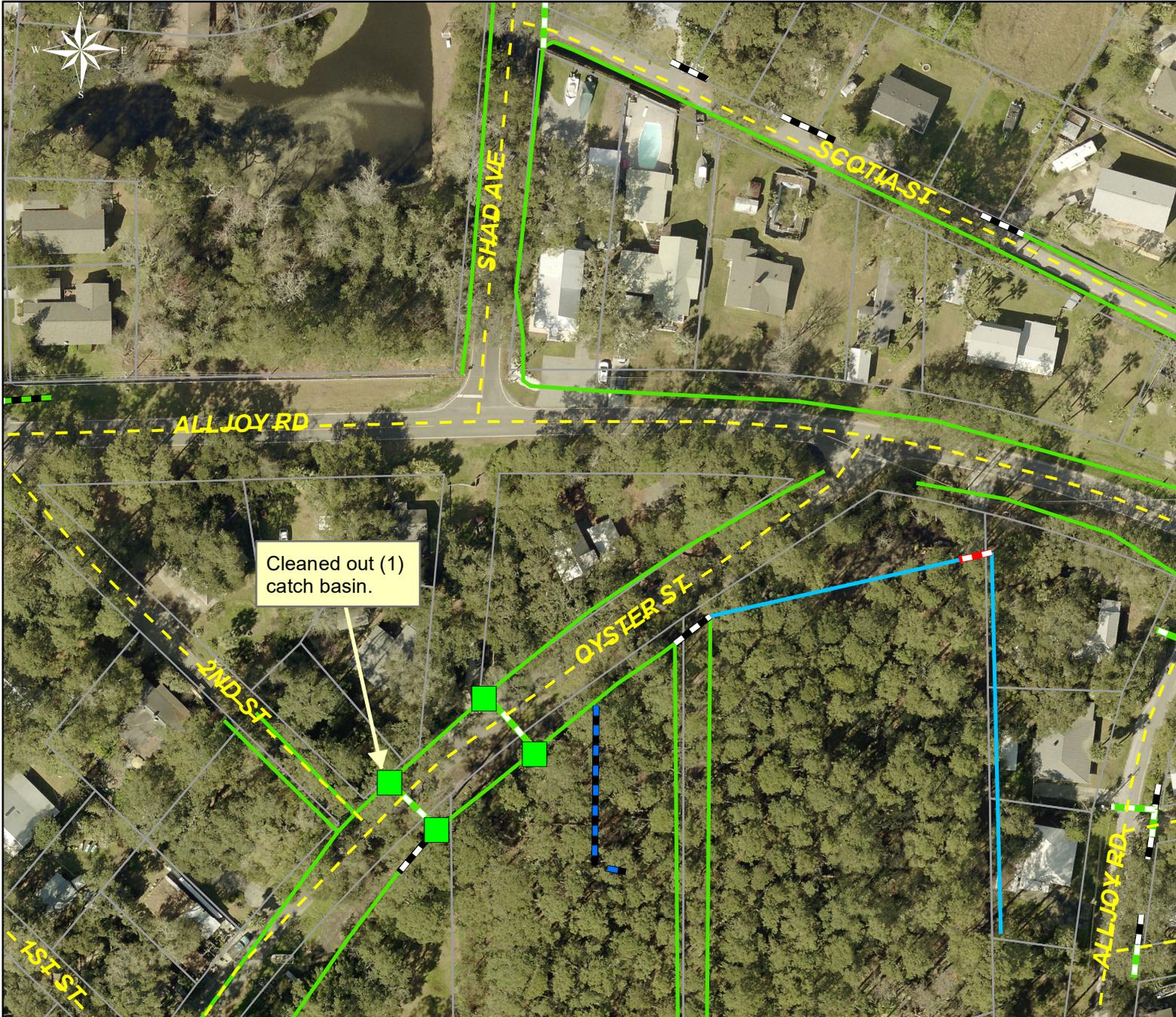
0 35 70 140 210 280  
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/20/23

File: C:\project summaries map\Bluffton Vac Truck- Myrtle Court Map #1\_2023-310



Project: Bluffton  
Vacuum Truck-  
Oyster Street  
Map #2

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-310

Township/SW Dist:  
Bluffton/4

Completed:  
May 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 = 100 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 06/20/23

File: C:\project summaries map\BlufftonVacuum Truck- Oyster Street Map #2\_2023-310



Project: Bluffton  
 Vacuum Truck -  
 HE MCCRACKEN  
 Circle  
 Map #3

Activity: Routine/  
 Preventive  
 Maintenance

Project #:  
 2023-310

Township/SW Dist:  
 Bluffton/4

Completed:  
 May 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

0 40 80 160 240 320  
 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/20/23

File: C:\project summaries map\Bluffton Vac Truck- HE Mccracken Circle Map #3\_2023-310



Project: Bluffton Vacuum Truck - Goethe Road Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2023-310

Township/SW Dist: Bluffton/4

Completed: May 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

0 40 80 160 240 320 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/20/23

File: C:\project summaries map\Bluffton Vac Truck- Goethe Road Map #4\_2023-310



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

**Project Summary:** Candy Johnson Drive Channel

**Activity:** Routine/Preventive Maintenance

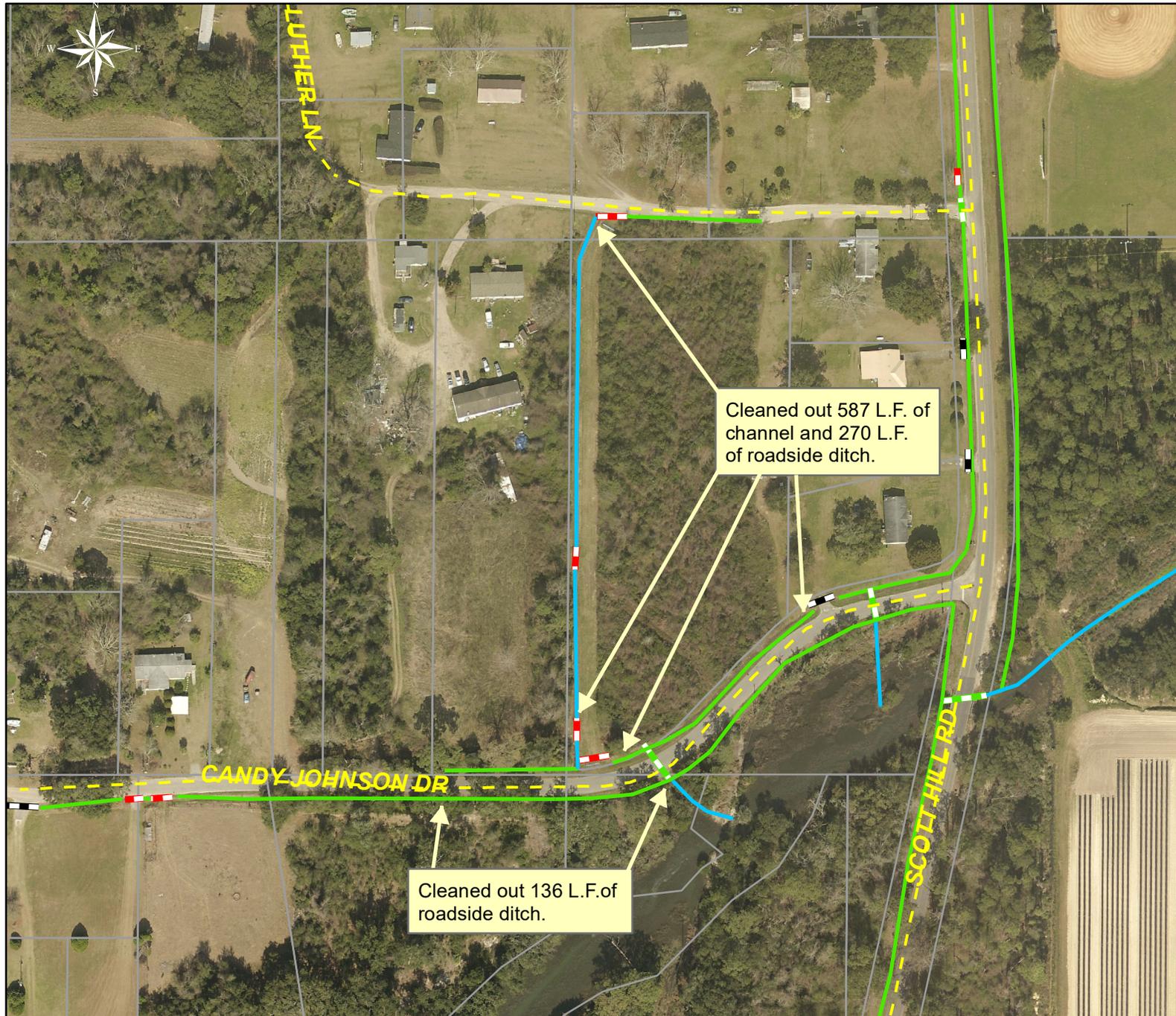
**Duration:** 06/13/2023 - 06/14/2023

**Narrative Description of Project:**

Project improved 993 L.F. of drainage system. Cleaned out 587 L.F. of channel and 406 L.F. of roadside ditch.

<b>2023-610 / Candy Johnson Drive Channel</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.50	\$50.60	\$0.00	\$0.00	\$0.00	\$31.23	\$81.83
CCO / Channel - cleaned out	16.00	\$487.43	\$51.02	\$33.63	\$0.00	\$300.88	\$872.96
HAUL / Hauling	8.00	\$247.04	\$152.48	\$111.93	\$0.00	\$152.48	\$663.93
ONJV / Onsite Job Visit	8.00	\$402.40	\$34.80	\$8.34	\$0.00	\$248.40	\$693.94
RSDCL / Roadside Ditch - Cleanout	32.00	\$996.24	\$102.04	\$102.37	\$0.00	\$614.96	\$1,815.61
<b>Grand Total</b>	<b>65.50</b>	<b>\$2,183.70</b>	<b>\$340.34</b>	<b>\$256.27</b>	<b>\$0.00</b>	<b>\$1,347.95</b>	<b>\$4,128.26</b>

**(No Pictures Available)**



Project: Candy Johnson Drive Channel

Activity: Routine/ Preventive Maintenance

Project #: 2023-610

Township/SW Dist: St. Helena Island/8

Completed: June 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

0 30 60 120 180 240 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 07/23/23

File: C:\project summaries map\Candy Johnson Drive Channel\_2023-610



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

**Project Summary:** David Green Road Channel

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/05/2023

**Narrative Description of Project:**

Project improved 534 L.F. of drainage system. Cleaned out 534 L.F. of channel.

<b>2023-608 / David Green Road Channel</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	0.50	\$16.87	\$0.00	\$0.00	\$0.00	\$10.41	\$27.28
CCO / Channel - cleaned out	24.00	\$666.40	\$83.46	\$53.63	\$0.00	\$411.36	\$1,214.85
HAUL / Hauling	8.00	\$247.04	\$152.48	\$57.40	\$0.00	\$152.48	\$609.40
<b>Grand Total</b>	<b>32.50</b>	<b>\$930.31</b>	<b>\$235.94</b>	<b>\$111.03</b>	<b>\$0.00</b>	<b>\$574.25</b>	<b>\$1,851.53</b>

**(No Pictures Available)**



Project: David Green Road Channel

Activity: Routine/ Preventive Maintenance

Project #: 2023-608

Township/SW Dist: St. Helena Island/8

Completed: June 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: 07/23/23  
File: C:\project summaries map\David Green Road Channel\_2023-608



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

**Project Summary:** ToHHI Airport Parking Lot

**Activity:** Routine/Preventive Maintenance

**Duration:** 03/28/2023

**Narrative Description of Project:**

Restablized the parking lot area.

**2023-595 / ToHHI Airport Parking Lot**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	0.50	\$16.87	\$0.00	\$0.00	\$0.00	\$10.41	\$27.28
HAUL / Hauling	16.00	\$521.04	\$304.96	\$1,369.31	\$0.00	\$331.28	\$2,526.59
HEQ / Haul equipment	8.00	\$239.76	\$152.48	\$67.62	\$0.00	\$152.48	\$612.34
LR / Level Road	32.00	\$922.96	\$128.06	\$75.81	\$0.00	\$476.32	\$1,603.15
ONJV / Onsite Job Visit	8.00	\$390.72	\$34.80	\$13.45	\$0.00	\$248.40	\$687.37
<b>Grand Total</b>	<b>64.50</b>	<b>\$2,091.35</b>	<b>\$620.30</b>	<b>\$1,526.19</b>	<b>\$0.00</b>	<b>\$1,218.89</b>	<b>\$5,456.73</b>

**Before**

**( No Picture Available)**

**During**



**After**





Project: Hilton Head  
Island Airport  
Parking Lot

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-595

Township/SW Dist:  
Hilton Head Island/3

Completed:  
March 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 = 130 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 07/31/23

File: C:\project summaries map\Hilton Head Island Airport Paking Lot\_2023-595



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

**Project Summary:** Hilton Head Island Airport Bush Hog

**Activity:** Routine/Preventive Maintenance

**Duration:** 05/25/2023 - 06/09/2023

**Narrative Description of Project:**

Project improved 14,670 L.F. of drainage system. Bush hogged 14,670 L.F. of channel. This project consisted of the following areas: Hilton Head Airport (14,670 L.F.)

**2022-305 / Hilton Head Island Airport**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.00	\$33.73	\$0.00	\$0.00	\$0.00	\$20.82	\$54.55
CBH / Channel- bushhogged	112.00	\$4,220.29	\$1,160.34	\$397.12	\$0.00	\$2,605.12	\$8,382.87
STAGING / Staging Materials/Equipment	16.00	\$602.90	\$34.80	\$27.80	\$0.00	\$372.16	\$1,037.66
<b>Grand Total</b>	<b>129.00</b>	<b>\$4,856.92</b>	<b>\$1,195.14</b>	<b>\$424.92</b>	<b>\$0.00</b>	<b>\$2,998.10</b>	<b>\$9,475.08</b>

**(No Photos Available)**



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

**Project Summary:** Lady's Island Vacuum Truck  
Old Distant Island Road, Bajala Drive E, Brickyard Hills Road, Ashley Drive and  
Woodbine Drive.

**Activity:** Routine/Preventive Maintenance  
**Duration:** 04/26/2023 - 05/31/2023

**Narrative Description of Project:**

Cleaned out (18) catch basins and jetted (2) crossline pipes.

**2023-307A / Ladys Island Vacuum Truck**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.00	\$33.73	\$0.00	\$0.00	\$0.00	\$20.82	\$54.55
CBCO / Catch basin - clean out	36.00	\$1,153.00	\$613.12	\$91.39	\$0.00	\$635.48	\$2,492.99
CLPJT / Crossline Pipe - Jetted	20.00	\$648.16	\$383.20	\$69.53	\$0.00	\$400.10	\$1,500.99
<b>Grand Total</b>	<b>57.00</b>	<b>\$1,834.89</b>	<b>\$996.32</b>	<b>\$160.92</b>	<b>\$0.00</b>	<b>\$1,056.40</b>	<b>\$4,048.53</b>

**(No Pictures Available)**



Project: Lady's Island Vacuum Truck - Old Distant Island Road Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2023-307A

Township/SW Dist: Lady's Island/7

Completed: May 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

0 20 40 80 120 160 Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 06/20/23

File: C:\project summaries map\Lady's Island Vac Truck- Old Distant Island Road Map #1\_2023-307A



Project: Lady's  
Island Vacuum  
Truck - Bajala  
Drive W  
Map #2

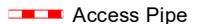
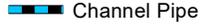
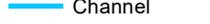
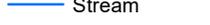
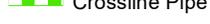
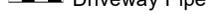
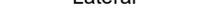
Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-307A

Township/SW Dist:  
Lady's Island/7

Completed:  
May 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

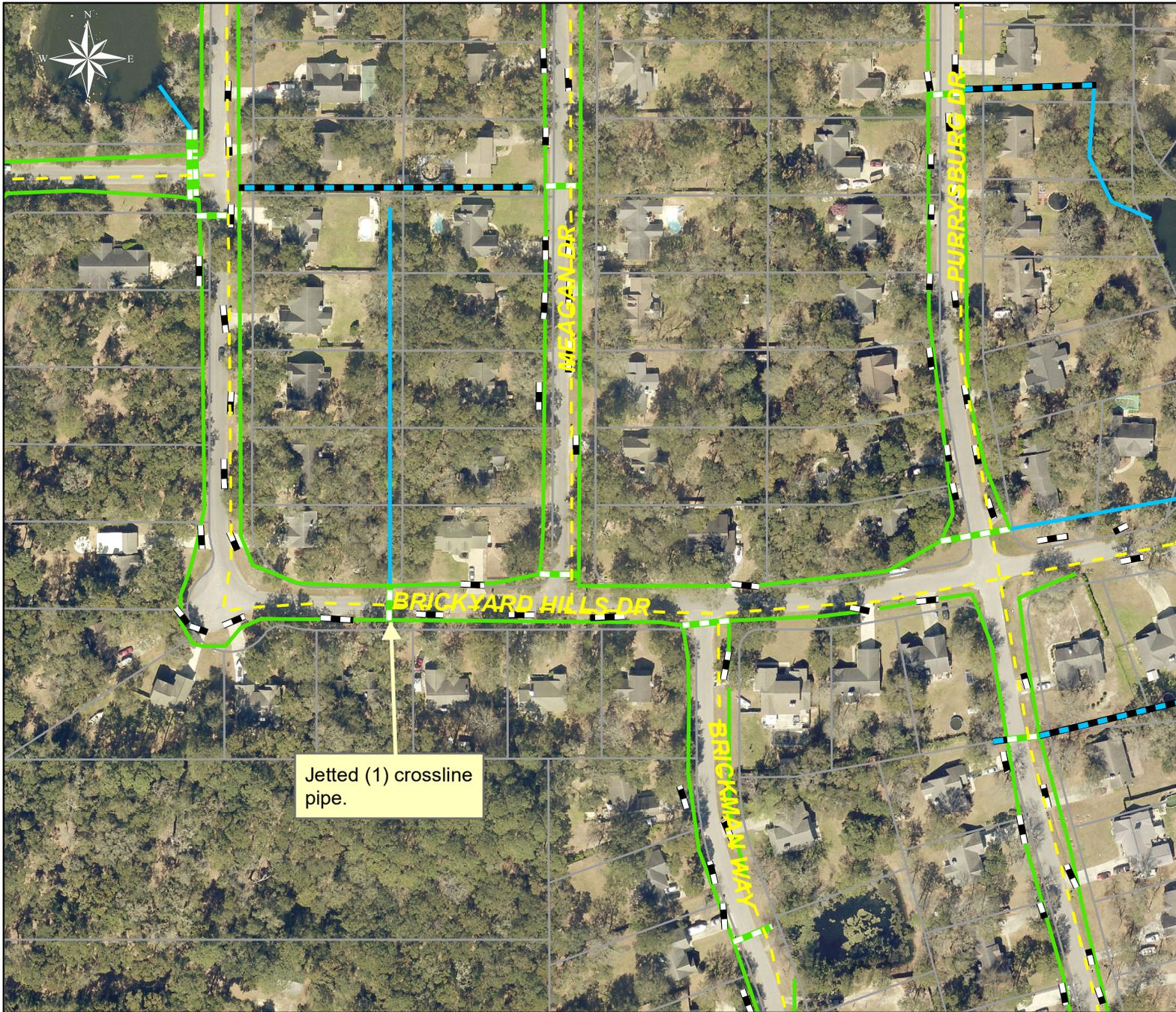


**1 inch = 130 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 06/20/23

File: C:\project summaries map\Lady's Island Vac Truck- Bajala Drive WMap #2\_2023-307A



Project: Lady's Island Vacuum Truck - Brickyard Hills Drive Map #3

Activity: Routine/ Preventive Maintenance

Project #: 2023-307A

Township/SW Dist: Lady's Island/7

Completed: May 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

Jetted (1) crossline pipe.

0 30 60 120 180 240 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 06/20/23

File: C:\project summaries map\Lady's Island Vac Truck- Brickyard Hills Drive Map #3\_2023-307A



Project: Lady's Island Vacuum Truck- Ashley Drive Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2023-307A

Township/SW Dist: Lady's Island

Completed: May 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

0 35 70 140 210 280 Feet

**1 inch = 210 feet**

Prepared By: BC Stormwater Management Utility  
Date Print:06/01/23

File:C:\project summaries map\Lady's Island Vacuum Truck- Ashley Drive Map #4\_2023-307A



Project: Lady's Island Vacuum Truck- Ashley Drive Map #5

Activity: Routine/ Preventive Maintenance

Project #: 2023-307A

Township/SW Dist: Lady's Island

Completed: May 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 = 210 feet**

Prepared By: BC Stormwater Management Utility  
Date Print:06/20/23

File:C:\project summaries map\Lady's Island Vacuum Truck- Ashley Drive Map #5\_2023-307A



Project: Lady's Island Vacuum Truck- Woodbine Drive Map #6

Activity: Routine/ Preventive Maintenance

Project #: 2023-307A

Township/SW Dist: Lady's Island

Completed: May 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

0 35 70 140 210 280 Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 06/20/23

File: C:\project summaries map\Lady's Island Vacuum Truck- Woodbine Drive Map #6\_2023-307A



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

**Project Summary:** Port Royal Island Vacuum Truck  
 Roseida Road Ext, Kline Circle, Irongate Drive, Capehart Circle and Grackle Lane.

**Activity:** Routine/Preventive Maintenance  
**Duration:** 03/24/2023 - 05/22/2023

**Narrative Description of Project:**

Project Improved 50 LF of drainage system. Cleaned out (4) catch basins, jetted (3) crossline pipes, (2) driveway pipes and 50 L.F. of roadside pipe.

**2023-306A / Port Royal Island Vacuum Truck**

	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.00	\$33.73	\$0.00	\$0.00	\$0.00	\$20.82	\$54.55
CBCO / Catch basin - clean out	8.00	\$251.68	\$153.28	\$217.30	\$0.00	\$160.04	\$782.30
CLPJT / Crossline Pipe - Jetted	4.00	\$125.84	\$76.64	\$47.44	\$0.00	\$77.68	\$327.60
DPJT / Driveway Pipe - Jetted	10.00	\$327.98	\$229.92	\$49.17	\$0.00	\$203.74	\$810.81
RSPJ / Roadside Pipe - Jetted	4.00	\$125.84	\$76.64	\$57.74	\$0.00	\$80.02	\$340.24
<b>Grand Total</b>	<b>27.00</b>	<b>\$865.08</b>	<b>\$536.48</b>	<b>\$371.65</b>	<b>\$0.00</b>	<b>\$542.30</b>	<b>\$2,315.51</b>

**Before**



**During**



**After**





Project: Port Royal Island Vacuum Truck-  
Roseida Road EXT  
Map #1

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-306A

Township/SW Dist:  
Port Royal Island

Completed:  
June 2023

**Legend**

**Drainage Type**

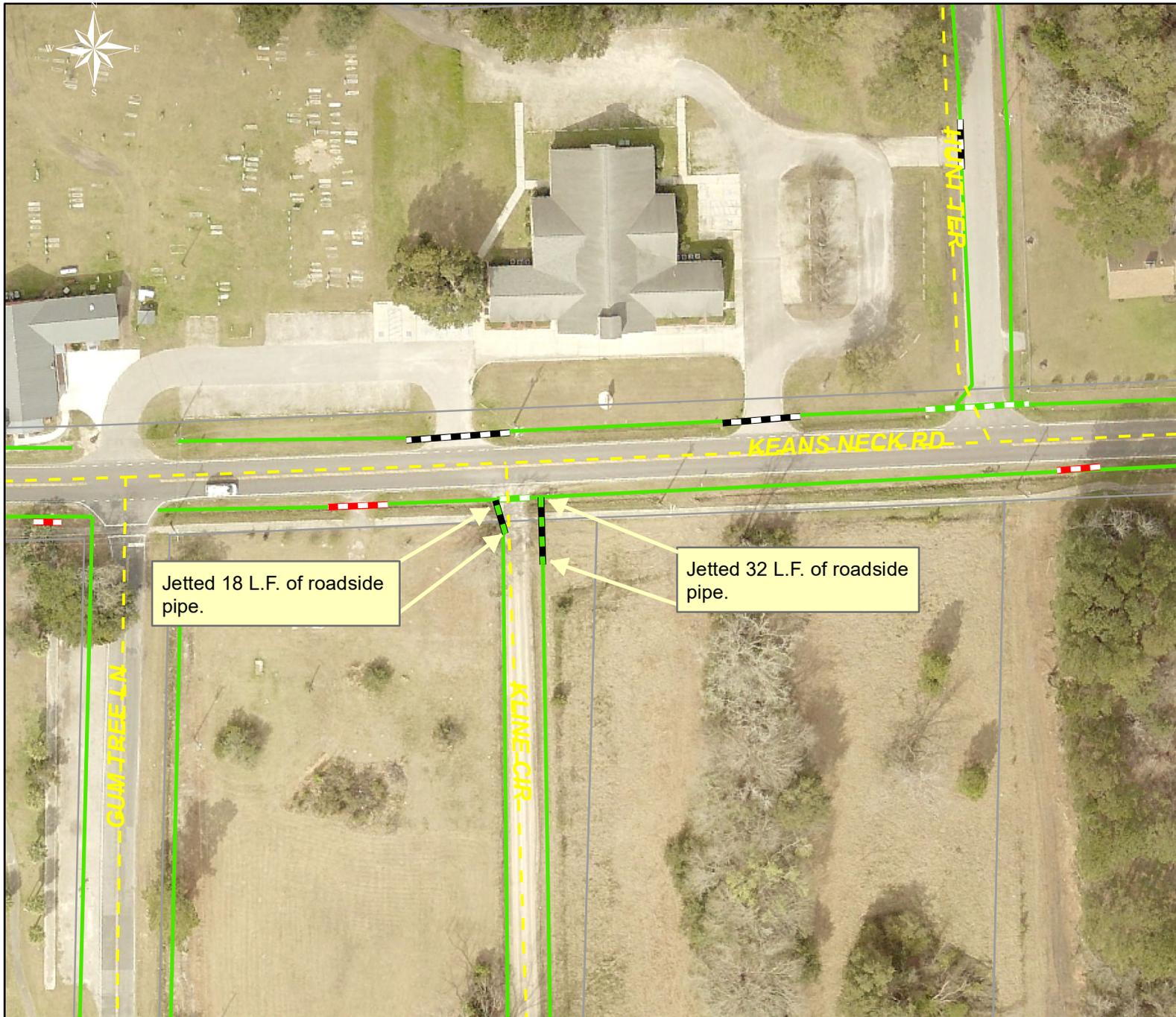
-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



**1 inch = 250 feet**

Prepared By: BC Stormwater Management Utility  
Date Print: 05/31/23

File: C:\project summaries map\Port Royal Island Vacuum Truck- Roseida Road EXTMap #1\_2023-306A



Project: Port Royal Island Vacuum Truck-  
Kline Circle  
Map #2

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-306A

Township/SW Dist:  
Port Royal Island

Completed:  
June 2023

**Legend**

**Drainage Type**

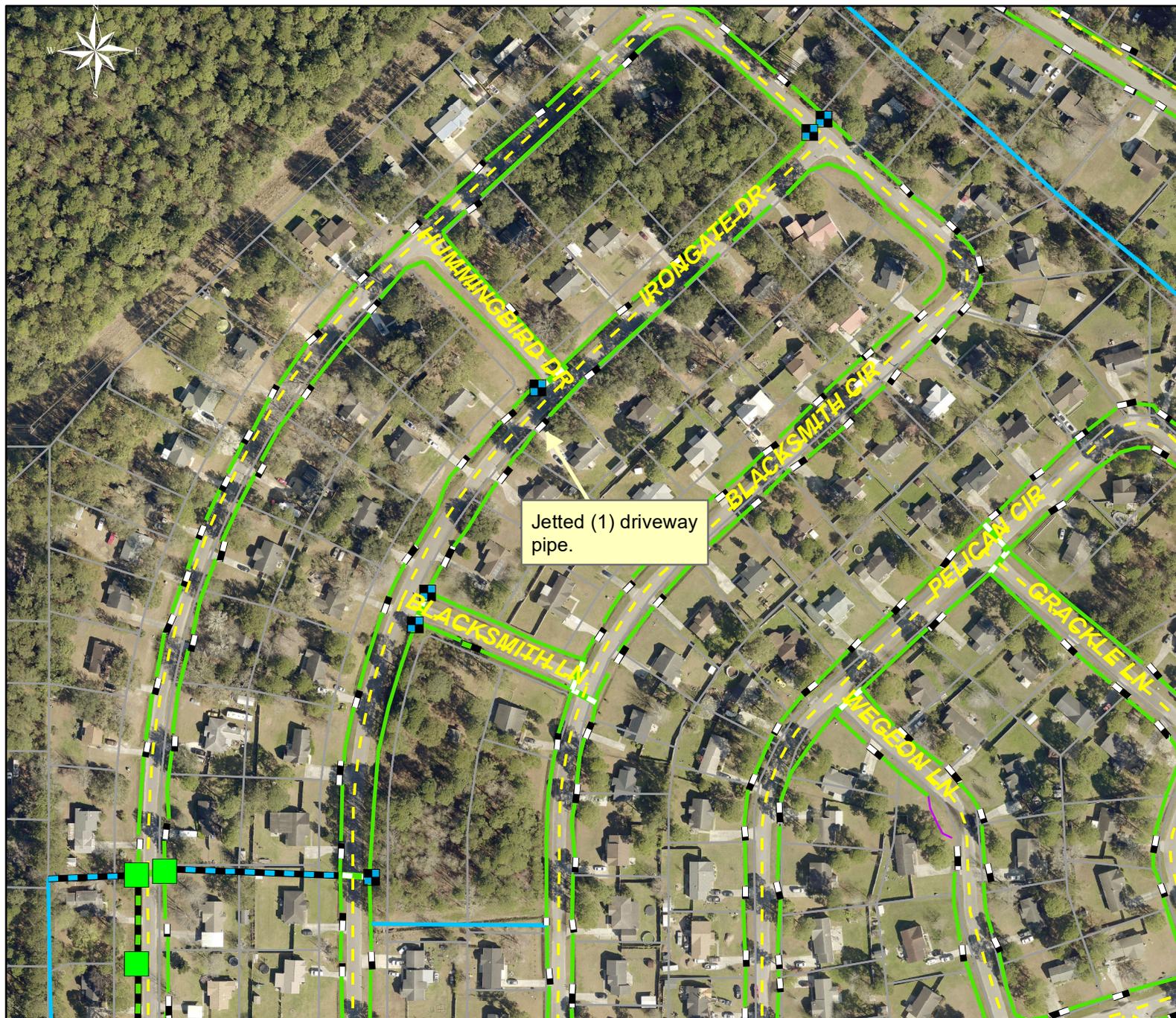
-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

012.525 50 75 100  
Feet

**1 inch = 83 feet**

Prepared By: BC Stormwater Management Utility  
Date Print: 05/31/23

File: C:\project summaries map\Port Royal Island Vacuum Truck- Kline Circle Map #2\_2023-306A



Project: Port Royal  
Island Vacuum Truck-  
Irongate Drive  
Map #3

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-306A

Township/SW Dist:  
Port Royal Island

Completed:  
June 2023

### Legend

#### Drainage Type

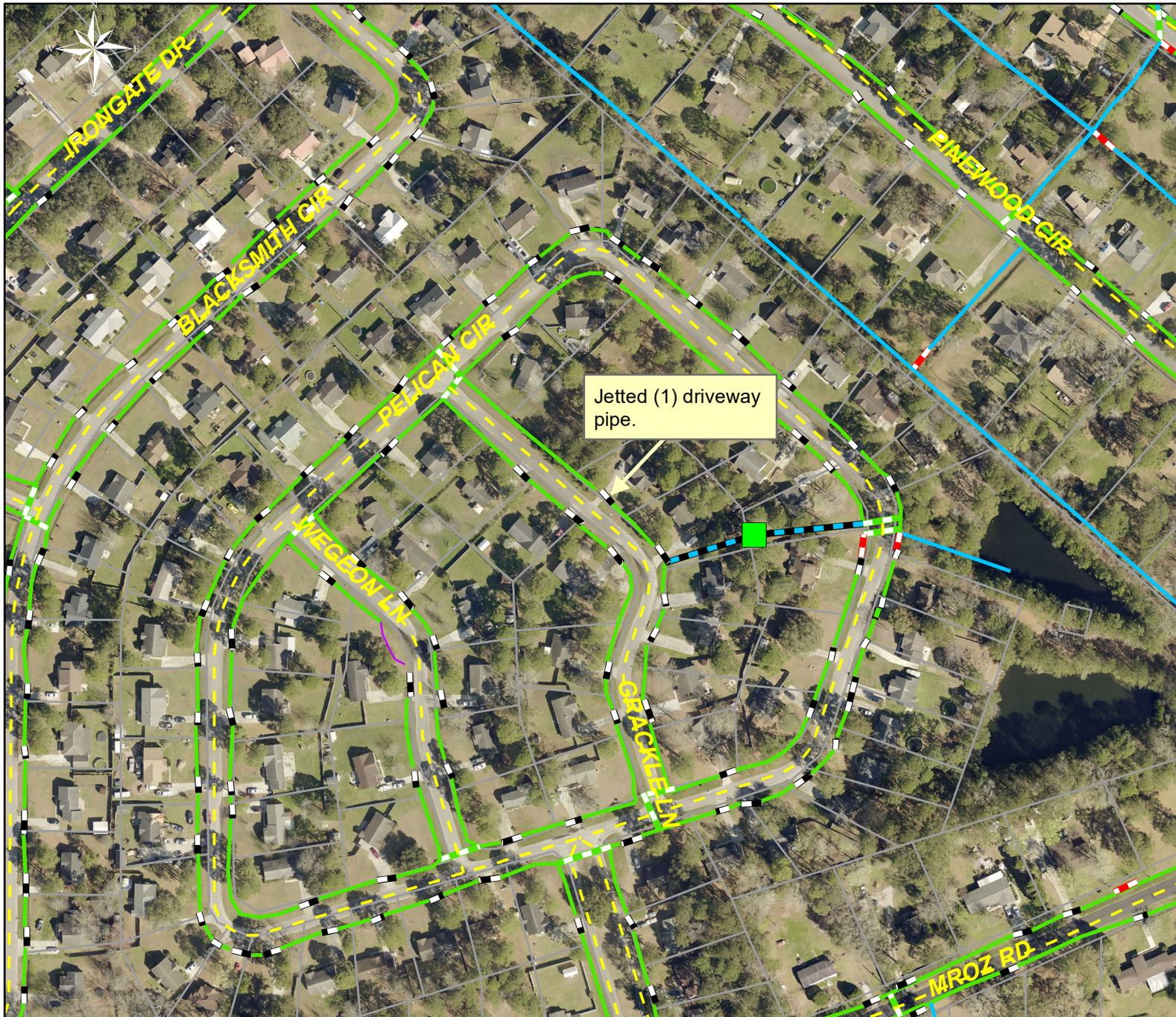
-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 35 70 140 210 280  
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility  
Date Print:05/31/23

File:C:\project summaries map\Port Royal Island Vacuum Truck- Irongate Drive Map #3\_2023-306A



Project: Port Royal  
Island Vacuum Truck-  
Grackle Lane  
Map #4

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-306A

Township/SW Dist:  
Port Royal Island

Completed:  
June 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

0 35 70 140 210 280  
Feet

**1 inch = 210 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 06/19/23

File: C:\project summaries map\Port Royal Island Vacuum Truck- Grackle Lane Map #4\_2023-306A



Project: Port Royal  
Island Vacuum Truck-  
Capehart Circle  
Map #5

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-306A

Township/SW Dist:  
Port Royal Island

Completed:  
June 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

0 40 80 160 240 320  
Feet

**1 inch = 250 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 05/31/23

File: C:\project summaries map\Port Royal Island Vacuum Truck- Capehart Circle Map #5\_2023-306A



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

**Project Summary:** Scott Hill Road Channel #2

**Activity:** Routine/Preventive Maintenance

**Duration:** 06/06/2023 - 06/12/2023

**Narrative Description of Project:**

Project improved 2,867 L.F. of drainage system. Cleaned out 1,979 L.F. of channel and 888 L.F. of roadside ditch.

<b>2023-609 / Scott Hill Road Channel #2</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Cost</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.50	\$50.60	\$0.00	\$0.00	\$0.00	\$31.23	\$81.83
CCO / Channel - cleaned out	80.00	\$2,329.04	\$234.16	\$112.55	\$0.00	\$1,437.68	\$4,113.43
HAUL / Hauling	40.00	\$1,235.20	\$762.40	\$166.46	\$0.00	\$304.96	\$2,469.02
ONJV / Onsite Job Visit	12.00	\$603.60	\$52.20	\$16.68	\$0.00	\$372.60	\$1,045.08
RSDCL / Roadside Ditch - Cleanout	32.00	\$862.10	\$118.26	\$90.04	\$0.00	\$532.16	\$1,602.56
<b>Grand Total</b>	<b>165.50</b>	<b>\$5,080.54</b>	<b>\$1,167.02</b>	<b>\$385.73</b>	<b>\$0.00</b>	<b>\$2,678.63</b>	<b>\$9,311.92</b>

**(No Pictures Available)**

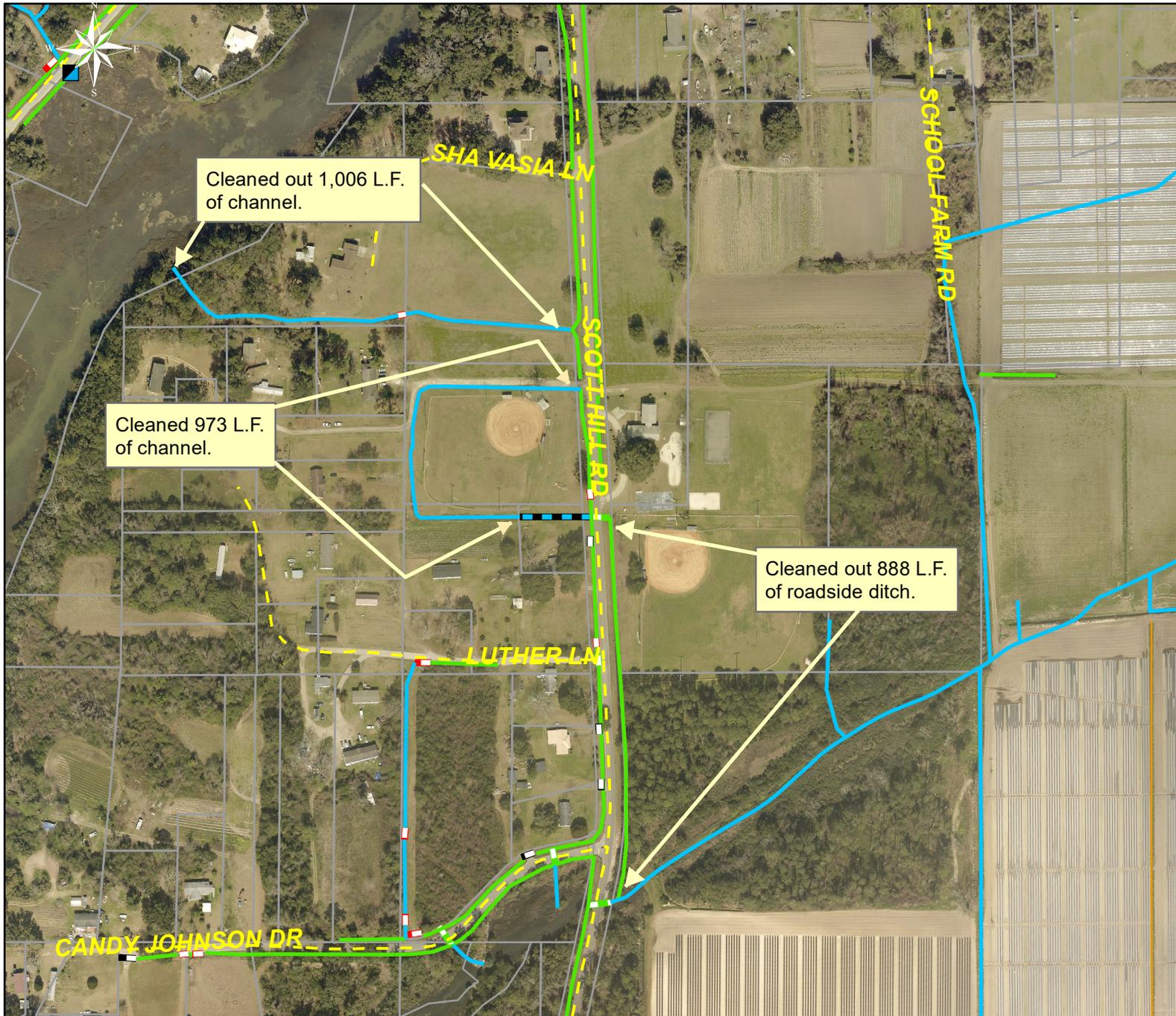
Project: Scott Hill Road Channel #2

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-609

Township/SW Dist:  
St. Helena Island/8

Completed:  
June 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



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

**Project Summary:** ToHHI Vacuum Truck  
Simmons Road, Beach City Road and Indian Trail.

**Activity:** Routine/Preventive Maintenance  
**Duration:** 07/26/2022 - 09/06/2022

**Narrative Description of Project:**

Project improved 311 L.F. of drainage system. Cleaned out (6) catch basins. Jetted (1) crossline pipe and 311 L.F. of channel pipe.

<b>2023-311 / ToHHI Vacuum Truck</b>	<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Equipment Cost</b>	<b>Material Cost</b>	<b>Contractor Cost</b>	<b>Indirect Labor</b>	<b>Total Cost</b>
AUDIT / Audit Project	1.00	\$33.73	\$0.00	\$0.00	\$0.00	\$20.82	\$54.55
CBCO / Catch basin - clean out	52.00	\$1,536.00	\$783.80	\$428.40	\$0.00	\$909.52	\$3,657.72
CPJ / Channel Pipe - Jetted	32.00	\$922.67	\$323.96	\$194.92	\$0.00	\$529.44	\$1,970.99
ONJV / Onsite Job Visit	5.00	\$208.60	\$21.75	\$11.52	\$0.00	\$0.00	\$241.87
<b>Grand Total</b>	<b>90.00</b>	<b>\$2,701.01</b>	<b>\$1,129.51</b>	<b>\$634.84</b>	<b>\$0.00</b>	<b>\$1,459.78</b>	<b>\$5,925.14</b>

**(No Pictures Available)**



Project: ToHHI  
Vacuum Truck-  
Simmons Road  
Map #1

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2023-311

Township/SW Dist:  
Hilton Head Island/3

Completed:  
September 2022

**Legend**

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

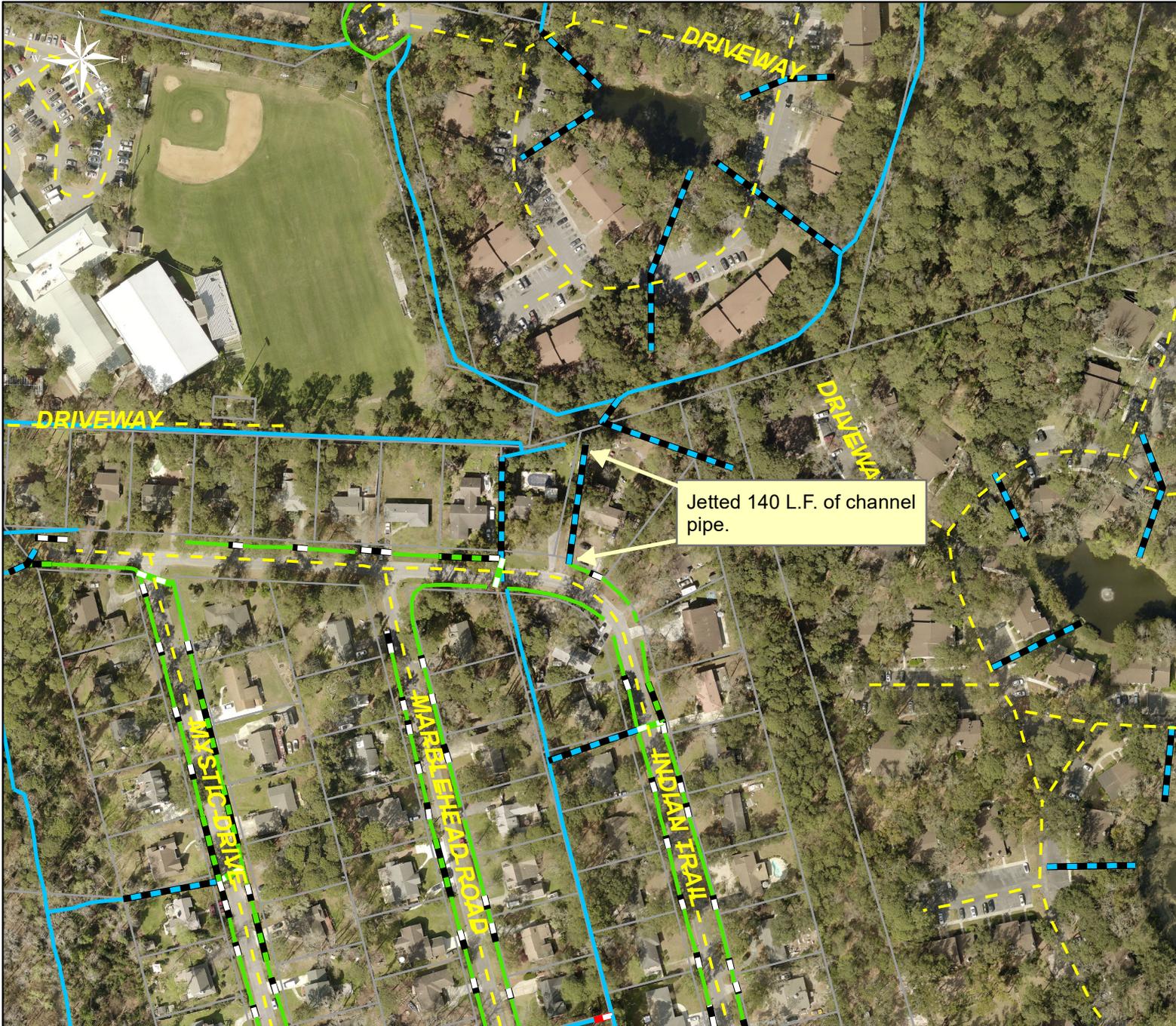
0 35 70 140 210 280  
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 06/21/23

File: C:\project summaries map\ToHHI Vac Truck- Simmons Road Map #1\_2023-308



Project: ToHHI  
 Vacuum Truck-  
 Indian Trail  
 Map #2

Activity: Routine/  
 Preventive  
 Maintenance

Project #:  
 2023-311

Township/SW Dist:  
 Hilton Head Island/3

Completed:  
 September 2022

**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**

Prepared By: BC Stormwater Management Utility

Date Print: 06/21/23

File: C:\project summaries map\ToHHI Vac Truck- Indian Trail Map #2\_2023-308



Project: ToHHI  
 Vacuum Truck-  
 Beach City Road  
 Map #3

Activity: Routine/  
 Preventive  
 Maintenance

Project #:  
 2023-311

Township/SW Dist:  
 Hilton Head Island/3

Completed:  
 September 2022

**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: 06/21/23

File: C:\project summaries map\ToHHI Vac Truck- Beach City Road Map #3\_2023-308

# TOWN COUNCIL



## STAFF REPORT

### Projects and Watershed Resilience Department

<b>MEETING DATE:</b>	August 8, 2023
<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) AND SPECIAL PROJECTS UPDATE**

#### **PATHWAYS**

1. **Buck Island-Simmons ville Neighborhood Sidewalks and Lighting**
  - Construction of the Phase 6B sidewalks and drainage is complete.
  - **Next Steps**
    - Complete Phase 6B SCDOT closeout.
    - Design is underway for the remaining lighting, with lighting agreements scheduled for 8/8/23 Council meeting. Construction of the street lighting is to be completed in FY 2024.
  
2. **New River Linear Trail**
  - Conceptual Master Plan is complete.
  - Submitted plans to Santee Cooper for review and cost share for bridge replacements. They stated they will not participate in a cost share; thus staff is reviewing the agreement terms with legal for next steps.
  - Received \$26,000 PARD grant award and \$2 million in appropriations.
  - Easement donation from New Riverside Community Association, Inc. Approved at 3/14/23 Town Council.
  - Restroom purchase agreement approved at 7/11/23 Town Council.
  - **Next Steps**
    - Continue engineering design for Phase 1 pathway (New River to Hwy 46).
    - Finalizing well installation contract.
    - Finalize LED light fixtures switch from Bridge Street to New River Linear Trail.
    - Work with restroom manufacturer on 50% plans.

#### **SEWER & STORMWATER**

1. **Buck Island-Simmons ville Sewer (Phases 5A-D)**
  - Received permits to construct from DHEC and SCDOT.
  - Department of Commerce approved the contract and contractor has executed his portion.

- **Next Steps**
    - Pre-construction meeting scheduled following Town Manager execution of the contract.
    - Start construction late summer 2023.
- 2. Historic District Sewer Extension Phases 2 & 3 - Bridge & Colcock Streets**
- Jordan Construction of Hilton Head, Inc. continues construction.
  - **Next Steps**
    - Start house connections once construction is complete and Permit to Operate is issued by DHEC.
- 3. Historic District Sewer Extension Phases 4 through 6 – Lawrence, Green and Water Streets**
- Reviewed initial design for Phases 4, 5, & 6 and submitted to BJWSA for initial review.
  - **Next Step**
    - Incorporate any Phases 4, 5, & 6 design changes to drawings after BJWSA review.
    - Obtain Quit Claim Deeds from all the property owners along the ghost roads or initiate legal action.
- 4. May River Watershed Action Plan Impervious Restoration Water Quality Projects**
- Initial site investigations are complete for 9 of the 11 participating project partners.
  - Palmetto Pointe Towns, Lowcountry Community Church and Apartment One declined to participate in the Program at this time. Updated Policy document for Impervious Restoration Program submitted and under review.
  - Geotechnical investigations at 6 school sites complete and field results under analysis for use in development of Preliminary Design. Geotechnical investigations for remaining sites being scheduled.
  - **Next Steps**
    - Proceed with geotechnical evaluations at the 3 remaining site locations.
    - Begin preliminary site design.
    - Review and provide comment on Updated Draft Policy Document for Impervious Restoration Program.
- 5. Buck Island Drainage Improvements**
- A contract was executed on 11/18/22.
  - 10” water main relocation/lowering performed on 2/15/23.
  - **Next Steps**
    - SCDOT final inspection approved. Project close-out in process.

## **HISTORIC DISTRICT IMPROVEMENTS**

- 1. Boundary Street Lighting**
- Phase 2 light locations are being reevaluated based on streetscape plans and road ownership changes.
  - SCDOT and Dominion previously indicated poles must be installed on private property due to conflicts with sewer force main and communication utilities within

the right of way.

- **Next Steps**

- Finalize new light locations and install streetlights on the west side of the street in FY 2024. Coordinate conduit and light installation for the east side of the street in conjunction with larger streetscape project.
- Obtain easements as needed for Phase 2 street lighting.

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

- The contract with Huss Inc. was executed and construction began on 1/16/23 with a groundbreaking ceremony held on 2/4/23.
- Structure was lifted. Excavation, footers, slab, blockwork, brick piers, block walls were sealed and insulated, perimeter sill beams and interior beams were installed, flooring at crawl space has been insulated and structure has been lowered. Both masonry fireplaces have been reinstalled.
- **Next Steps**
  - The next several weeks will focus on additional deconstruction of the exterior siding, structural wood framing of all walls and subflooring to prep for rough in mechanical, electrical, plumbing and fire suppression. Removal of existing roof and sheathing. Install new sheathing and dry structure in. Window and door restoration are ongoing offsite at Huss's shop.

## 3. **Bridge Street Streetscape**

- Issued Notice to Proceed for Phase 1 construction to start 12/5/22.
- Obtained survey proposal for Phase II streetscape project.
- Engaged Barrier Island for Phase II design.
- Drainage, parking, sidewalks, and mill and overlay have been finished.
- Landscaping has been installed at 5' strips.
- Obtained easement from Cunningham LLC for parking sign installation.
- Installed 3-hour limited parking signs.
- Updated SCDOT encroachment permit for No Parking signs.
- Installed tabby planters at Calhoun and Bridge Streets.
- **Next Steps**
  - Continued construction to complete lighting, additional power and punch list items.
  - Tabby Planters at Calhoun and Bridge Streets scheduled for planting installation.

## 4. **Boundary Street Streetscape**

- Engineering Design is 70% complete and submitted to Watershed for stormwater for initial review.
- Met with Dominion Energy on 5/17/23. Still awaiting underground conversion plans from Dominion Energy.
- **Next Steps**
  - Continuing with Engineering Design, Underground Power Coordination, and Permitting.
  - Obtain easement exhibits and begin appraisals in FY 2024.

- Bid construction in FY 2024, 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**
  - Begin negotiations with May River Road property owners for main transmission line easements.
  - Once the main line transmission line easements have been completed, then continue with engineering design into FY 2024.
  - Prepare easement acquisition plats for Phase 1 in 2024 and begin easement acquisition.
  - Phased construction is planned to begin in FY 2025 pending budget approval and acquisition of 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 in January.
- US DOT RAISE grant application for planning and design of bike and pedestrian safety improvements in Historic District, Goethe/Shults and Buck Island/Simmons ville neighborhoods for implementation in a phased approach was not awarded.
- **Next Steps**
  - RFQu posted, bid evaluations due 8/15/23 for continued ADA compliance work.

## 7. Comprehensive Drainage Plan Improvements

- Asset inventory and condition assessment complete for Heyward Cove.
- 2D H/H model development complete.
- Initial Tidal Gauge information gathering at Calhoun St Dock has been completed.
- Review of 2D H/H model development results and area of inundation/choke points complete.
- **Next Steps**
  - Updated *DRAFT* Final Project Report based is under review.
  - Establish maintenance and CIP project needs list and Master Planning report to reduce risk of flooding.

## 8. Pritchard Street Drainage Improvements

- Cranston Engineering has re-submitted updated 70% project design of streetscape elements based on review comments and under review. Project scope has increased to include streetscape elements, pedestrian connectivity, street lighting and traffic calming evaluation.

- **Next Steps**
  - Coordinate approval for proposed improvements with Beaufort County School District.
  - Complete 100% design submission, permitting submissions and bid document formulation.

## **PARK DEVELOPMENT**

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

- Civil Construction substantially complete. Landscape construction to be completed by August 2023.
- Executed Task Authorization with Witmer, Jones, Keefer for design of the event Area.
- **Next Steps**
  - Finalize design of area event area based on Council feedback at April Quarterly Workshop.
  - Prepare event area plans for bid in November.

### **2. Oscar Frazier Park**

- Started construction of Rotary Center Improvements in June. Construction to be phased and coordinated with events planned for the Rotary Center
- Council directed staff to not proceed with sports court design at this time.
- Received responses to RFP splash pad solicitation on 7/12/23.
- **Next Steps**
  - Complete Rotary Hardscape construction in October.
  - Select design/build contractor for the Splash Pad in July and obtain contract Approval in September.

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

- Architectural design services for the Barn additions are 99% complete.
- Design of the playground area is 95 % complete.
- JS Construction started phase 1 site construction on 1/27/2023.
- Contract has been executed with Nix Construction for Construction Manager at Risk Services for Phases 2 and 3.
- **Next Steps**
  - Complete the architectural design of barn addition.
  - Complete design of playground area.
  - Continuing construction of Phase 1 Site Development Infrastructure.
  - Obtain guaranteed maximum price from Nix Construction and present contract to Town Council in September.

### **4. Miscellaneous Park Improvements**

- Per Town Council direction, staff ordered playground equipment for DuBois Park. Equipment is expected to arrive in July or August.
- Obtained bids for RFP solicitation to install the DuBois playground equipment.
- Obtained quotes and selected a contractor to install perimeter sidewalk for the DuBois Playground Expansion.
- Requested proposal from T&H for landscape and hardscape improvements at Evicore

Park.

- **Next Steps**
  - Prepare contract to install playground equipment with Palmetto Recreation Equipment, LLC.
  - Install perimeter sidewalk at DuBois Park.
  - Begin preliminary design of all FY 2024 park improvements in August.

## **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.

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

- Clearing sodding, columns and fence construction for the challenge course is complete.
- **Next Steps**
  - Complete construction punch list items with The Greenery for the challenge course expanded area for an impound lot, and storage of Public Service maintenance equipment.

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

- Completed conceptual master plan concepts and building assessment. Presented plans to Town Council at the April Workshop for review and direction.
- Selected Meadors Inc to provide design services and construction documents for the restoration of the Sarah Riley Hooks Cottage.
- **Next Steps**
  - Execute design contracts with Meadors Inc. and complete construction documents for the Cottage in FY 2024.
  - Execute design contracts with JK Tiller and complete Site Development design in FY 2024.
  - Begin restoration construction of cottage in FY 2025.

### **4. Ghost Roads**

- Surveying and easement exhibits are complete.
- Bridge Street Quit Claim Deeds are complete. Pritchard and Colcock Streets Quit Claim Deeds are 95% complete. Staff is currently working with Lawrence, Lawton, Green, Pope, Allen and Water Street property owners to obtain Quit Claim Deeds.
- Staff continue to meet with property owners to raise awareness of the acquisition efforts and communicate next steps and requested Council assistance.
- **Next Steps**
  - Obtain remaining Quit Claim Deeds for Historic District Sewer Phases 4-6 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 8 departments will transition through FY 2026.

**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.
- Replaced phone system to a more modern system.
- **Next Steps:**
  - Replacing two more VMWare hosts.
  - Implementation of Executime to replace Intime.

## **WATERSHED MANAGEMENT**

1. **Stoney Creek/Palmetto Bluff Sewer Partnership**
  - 2022 updated cost-estimate for the project from BJWSA is \$7.2 million + contingencies. BJWSA has agreed to be the Project Manager.
  - Awarded the RIA SCIPP grant in support of Stoney Creek/Palmetto Bluff Sewer Extension with BJWSA and Beaufort County.
  - Met with partners to address BJWSA IGA concerns on 3/2/23. A draft 3-party Intergovernmental Agreement was discussed at a follow up meeting on 5/30/23.
  - **Next Steps**
    - Finalize 3-party IGA with Town, County and grant splitting sewer extension costs and BJWSA funding water extension costs.
    - BJWSA RFQ for design engineers closes on 8/1/23.
  
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 flow data in real time with the implementation of Turnkey telemetry systems. Staff met with WEC on 7/12/23 to discuss the water quality sampling program for model calibration. WEC will be providing recommendations on the Town's water quality grab sampling program to ensure sufficient data for model calibration is being collected by staff.
  - The University of South Carolina Beaufort (USCB) Water Quality Laboratory Memorandum of Understanding (MOU) has been finalized and staff are working to obtain appropriate signatures for full execution.
  
4. **Municipal Separate Storm Sewer System (MS4) Program Update**
  
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) was held on 7/27/23. **Attachment 3**
  - Staff attended the Stormwater Utility Board meeting on 7/19/23.
  
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 conducted sampling 7/11/23. The human genetic marker was not detected in any of the samples collected.
  - Staff continue to investigate an IDDE off Red Cedar Street. Five (5) MST samples were collected in the drainage channel located behind Red Cedar homes and the Bluffton Cemetery. The human genetic marker was detected in three (3) of the samples collected. This continues to be an active IDDE investigation.
  - 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)**
- Staff attended a webinar by the Southeast Stormwater Association on the development of public education campaigns on 7/13/2023.
  - Staff conducted internal hurricane preparedness training on 7/17/2023.
  - Sam Crotty received her Certified Stormwater Plan Reviewer (CSPR) certification.
  - Andrea Moreno received her Qualified Compliance Inspector of Stormwater (QCIS) recertification and Certified Erosion Prevention Sediment Control Inspector (CEPSCI) recertification.
- 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 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.
- 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 Public Notice
4. MS4 Minimum Control Measure #3 – Illicit Discharge Detection and Elimination
  - a. Stormwater Infrastructure Inventory Map
  - b. *E. coli* Concentrations Trend Map
  - c. Microbial Source Tracking Trend Map – Human Source
  - d. Microbial Source Tracking Map – All Sources
  - e. Illicit Discharge Investigations
5. MS4 Minimum Control Measure #4 – Construction Site Stormwater Runoff Control
6. MS4 Minimum Control Measure #5 – Stormwater Plan Review and Related Activity
7. Citizen Drainage, Maintenance and Inspections Concerns Map
8. Citizen Request for Watershed Management Services and Activities Map
9. CIP Master Project Schedules

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

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			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
	Fecal Coliform (MPN)																							
December	17.0	79.0	33.0		22.0	49.0	49.0		17.0	4.5	17.0		4.5	17.0	49.0		4.0	6.8	6.8		11.0	7.8	13.0	
November	70.0	33.0	33.0		31.0	33.0	13.0		17.0	7.8	7.8		13.0	4.0	4.5		13.0	4.5	6.1		4.5	2.0	13.0	
October	49.0	49.0	23.0		79.0	26.0	46.0		31.0	13.0	13.0		21.0	23.0	23.0		33.0	23.0	11.0		79.0	17.0	14.0	
September	110.0	33.0	540.0		49.0	11.0	350.0		49.0	17.0	350.0		33.0	13.0	170.0		33.0	2.0	79.0		33.0	11.0	33.0	
August	49.0	49.0	23.0		49.0	49.0	23.0		23.0	23.0	11.0		23.0	49.0	13.0		17.0	14.0	17.0		22.0	14.0	11.0	
July	33.0	350.0	920.0	350.0	13.0	64.0	49.0	920.0	23.0	79.0	95.0	70.0	7.8	33.0	130.0	49.0	7.8	33.0	23.0	33.0	17.0	13.0	46.0	17.0
June	NS	49.0	13.0	14.0	NS	79.0	4.5	7.8	NS	13.0	11.0	23.0	NS	17.0	2.0	13.0	NS	22.0	1.8	33.0	NS	2.0	9.3	13.0
May	70.0	2.0	4.5	23.0	49.0	49.0	4.5	33.0	23.0	23.0	4.0	17.0	22.0	23.0	1.8	13.0	6.8	23.0	1.8	33.0	4.5	7.8	2.0	21.0
April	33.0	33.0	4.5	170.0	33.0	23.0	4.5	130.0	13.0	22.0	1.8	110.0	6.8	17.0	2.0	70.0	13.0	7.8	1.8	NS	13.0	2.0	1.8	7.8
March	170.0	33.0	33.0	23.0	49.0	11.0	23.0	49.0	130.0	17.0	2.0	17.0	49.0	13.0	4.5	17.0	70.0	2.0	2.0	17.0	33.0	2.0	2.0	17.0
February	17.0	79.0	23.0	540.0	7.8	70.0	31.0	350.0	21.0	79.0	17.0	240.0	4.5	23.0	22.0	240.0	4.5	7.8	2.0	33.0	6.8	6.8	11.0	33.0
January	95.0	17.0	49.0	33.0	33.0	17.0	22.0	33.0	33.0	13.0	33.0	13.0	17.0	23.0	7.8	33.0	17.0	17.0	7.8	7.8	17.0	7.8	7.8	4.5
** Truncated GeoMetric Mean	34.0	36.0	40.0	42.0	21.0	26.0	28.0	34.0	16.0	18.0	18.0	19.0	12.0	15.0	14.0	17.0	10.0	10.0	9.0	10.0	9.0	8.0	9.0	8.0
** Truncated 90th Percentile	106.0	139.0	192.0	254.0	59.0	69.0	91.0	166.0	50.0	58.0	72.0	91.0	37.0	39.0	54.0	81.0	31.0	35.0	41.0	48.0	35.0	33.0	32.0	27.0

NS = No Sample

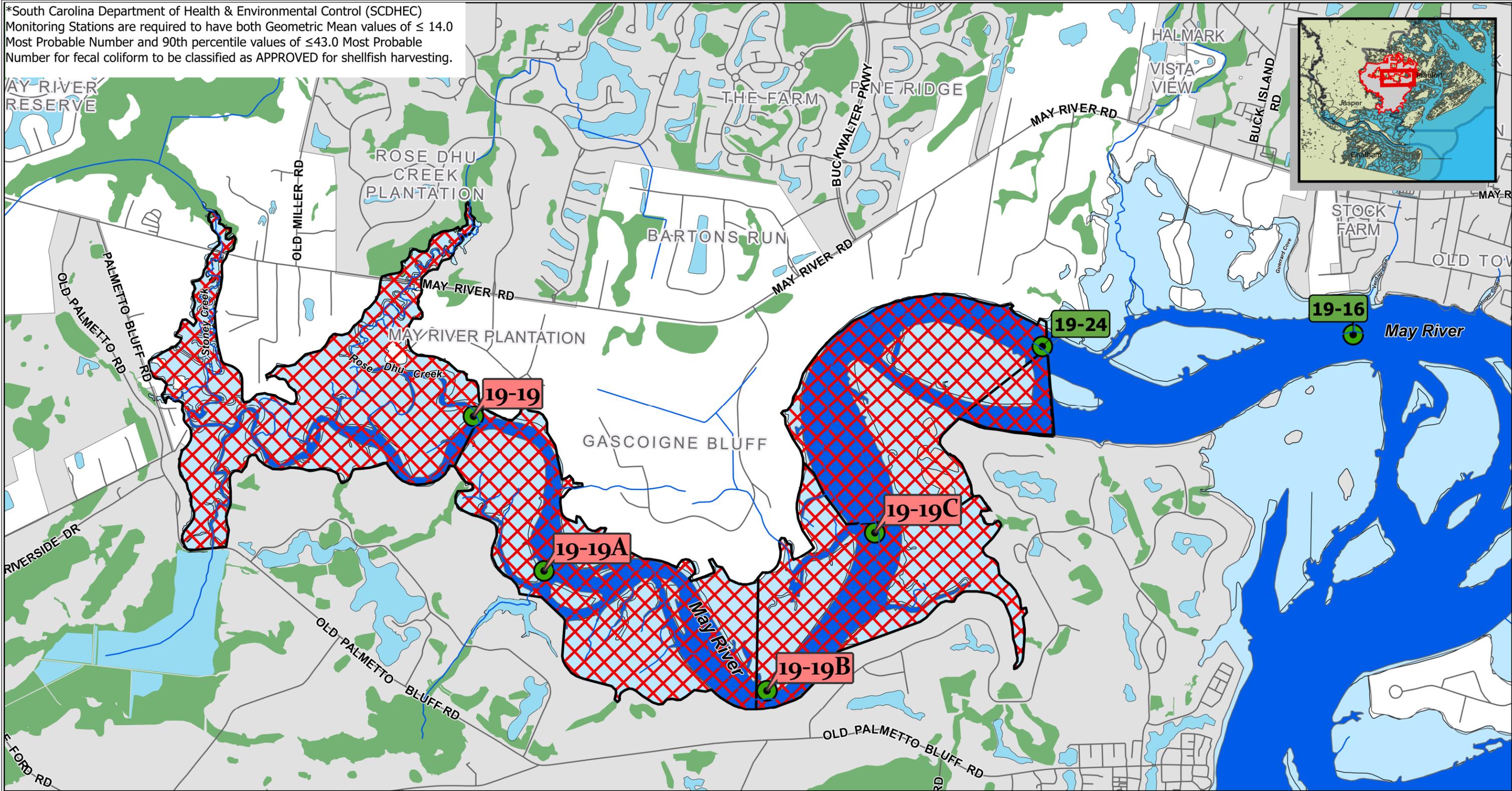
**SCDHEC Regulatory Requirements:**

Geometric Mean ≤ 14

90th Percentile ≤ 43

\*\* Town staff calculations utilizing SCDHEC statistics

\*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



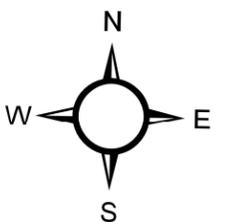
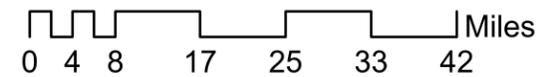
SCDHEC Shellfish Monitoring  
Station Classification Change

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

## Town of Bluffton

Beaufort County, SC

# SCDHEC SHELLFISH HARVESTING STATUS



Date: 10/18/2022

WAPAC Meeting Presentation  
May River Watershed Action Plan Update & Modeling Report  
Overview and Status  
August 25, 2022

Updated July 27, 2023

**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 also requires water capacity upgrades. Previous cost estimates are not accurate and will be updated by BJWSA as each project is considered.

### **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. The Stoney Creek sewer and water project cost estimate is nearly \$14 million which is offset by a \$5,925,000 grant.

### **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 received RIA approval and reposted the RFP on 7/17/23 with a closing of 8/1/23.**

## 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 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 to 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 was approved for FY23 funding.

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

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

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

**Yellow** highlight indicates geotechnical evaluations complete.

1. **Bluffton Early Learning Center (BELC). Participating in preliminary design development phase.**
  2. Boys and Girls Club of Bluffton (BGC). **Participating in preliminary design development phase.**
  3. Benton House (BH). **Participating in preliminary design development phase.**
  4. **Bluffton High School (BHS). Participating in preliminary design development phase.**
  5. Buckwalter Recreation Center (BRC). **Participating in preliminary design development phase.**
  6. Lowcountry Community Church (LCC). **Declined to Participate.**
  7. **McCracken Middle School/Bluffton Elementary School (MMSBES). Participating in preliminary design development phase.**
  8. **May River High School. Participating in preliminary design development phase.**
  9. One Hampton Lake Apartments (OHLA). **Declined to Participate.**
  10. **Pritchardville Elementary School (PES). Participating in preliminary design development phase.**
  11. 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).**

- 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.**
  - 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.

**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 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.**

## 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 July 27, 2023 Meeting:

- **Updated Draft Policy Document was completed and submitted in June for staff 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.**

## 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.
  - 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.**
- 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.
- 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.**
- 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.
  - 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.**
- 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.
  - 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.
- 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.
    - 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.
    - Potential purchase of telemetry stations to equip continuous flow monitoring stations with real-time data access.
    - 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 field work installation of equipment is being 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, 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.



## May River Watershed Action Plan Advisory Committee Meeting

Thursday, July 27, 2023 at 3:00 PM

Theodore D. Washington Municipal Building, 20 Bridge Street, Executive Council Meeting Room

### AGENDA

- I. **CALL TO ORDER**
  - II. **ROLL CALL AND CONFIRMATION OF QUORUM**
  - III. **ADOPTION OF THE AGENDA**
  - IV. **ADOPTION OF MINUTES**
  - V. **PUBLIC COMMENTS**
  - VI. **OLD BUSINESS**
    1. May River Watershed Action Plan Project Implementation Status Report - Dan Rybak, Project Manager
    2. Evaluation of the New 3:00pm Meeting Time - Beth Lewis, Water Quality Program Administrator
  - VII. **NEW BUSINESS**
    1. Election of Officers- Beth Lewis, Water Quality Program Administrator
  - VIII. **DISCUSSION**
    1. Development of the Strategic Plan Priority One (1) to Expand the Purview of the May River Watershed Action Plan Advisory Committee - Beth Lewis, Water Quality Program Administrator
  - IX. **ADJOURNMENT**
- NEXT MEETING DATE: August 27, 2023 - Time Based on Discussion**

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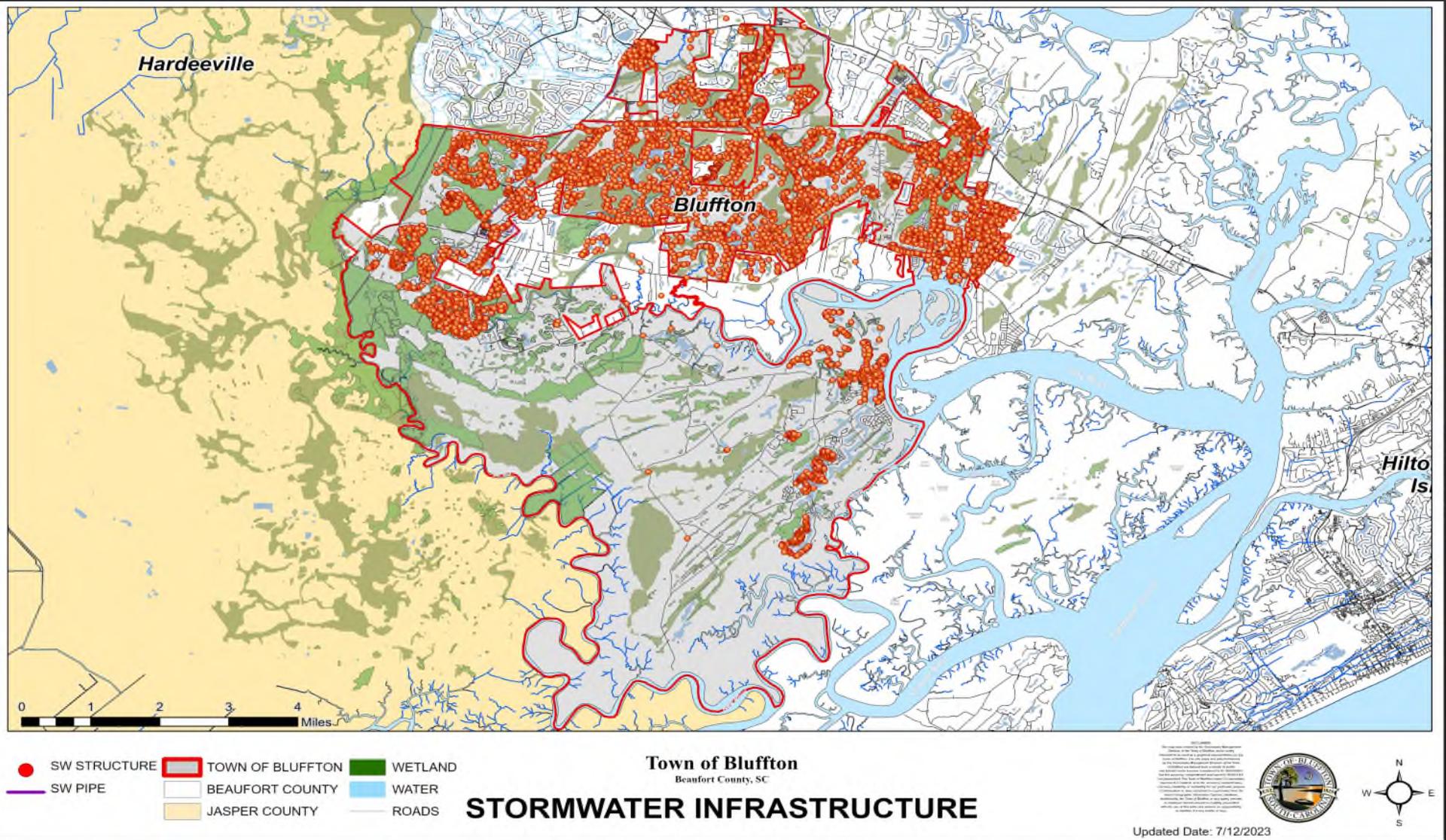
*“FOIA Compliance – Public notification of this meeting has been published and posted in compliance with the Freedom of Information Act and the Town of Bluffton policies.”*

*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 as soon as possible but no later than 48 hours before the scheduled event.*

*\*Please note that each member of the public may speak at one public comment session and a form must be filled out and given to the Town Clerk. Public comment is limited to 3 minutes per speaker.*

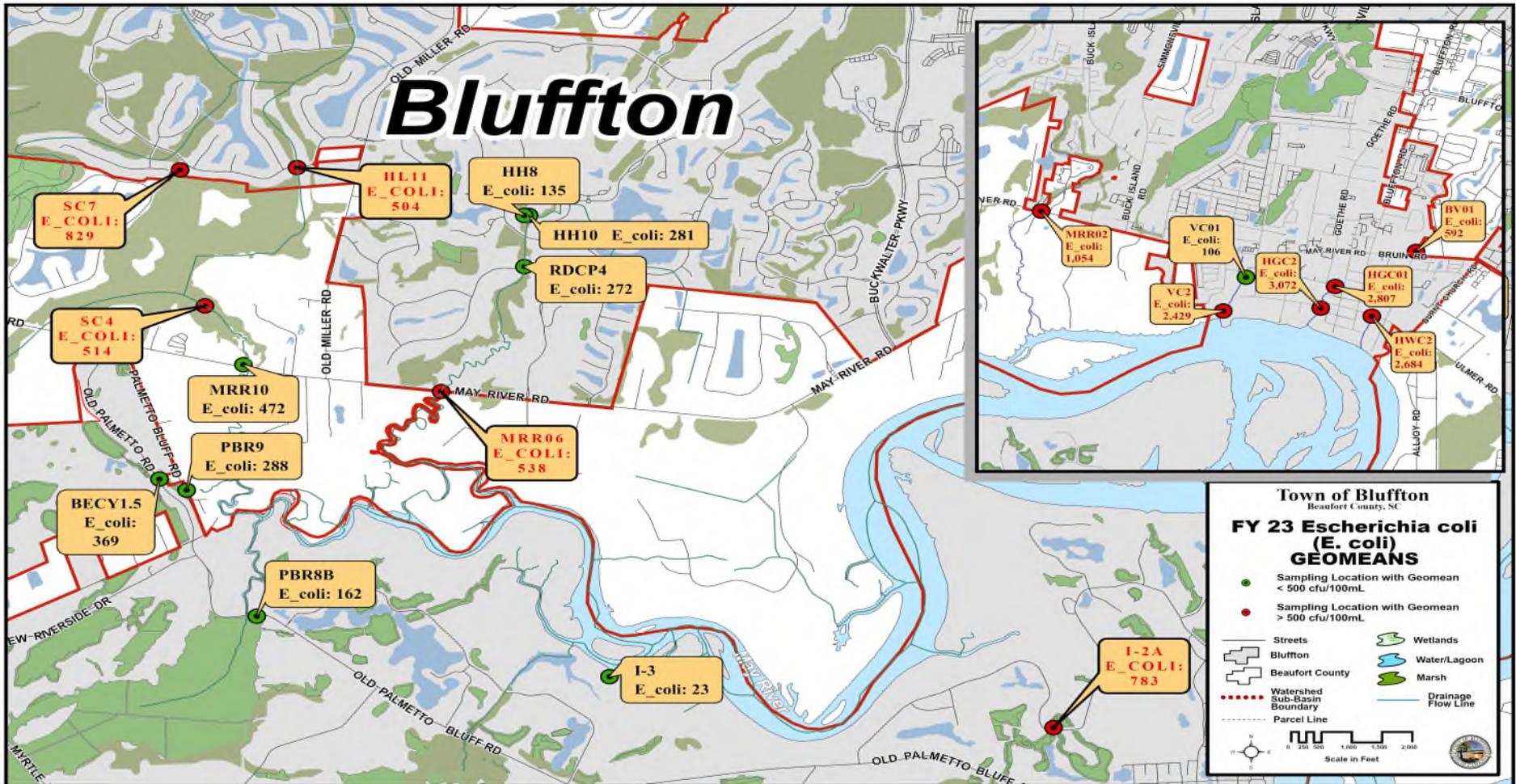
# MS4 Minimum Control Measure #3 – IDDE (Illicit Discharge Detection & Elimination): Stormwater Infrastructure Inventory



## Stormwater Infrastructure Inventory Collection Status

Collection Totals	16,657
FY 2024 YTD	0

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

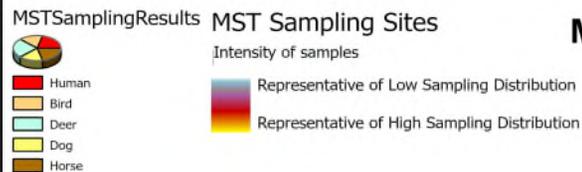
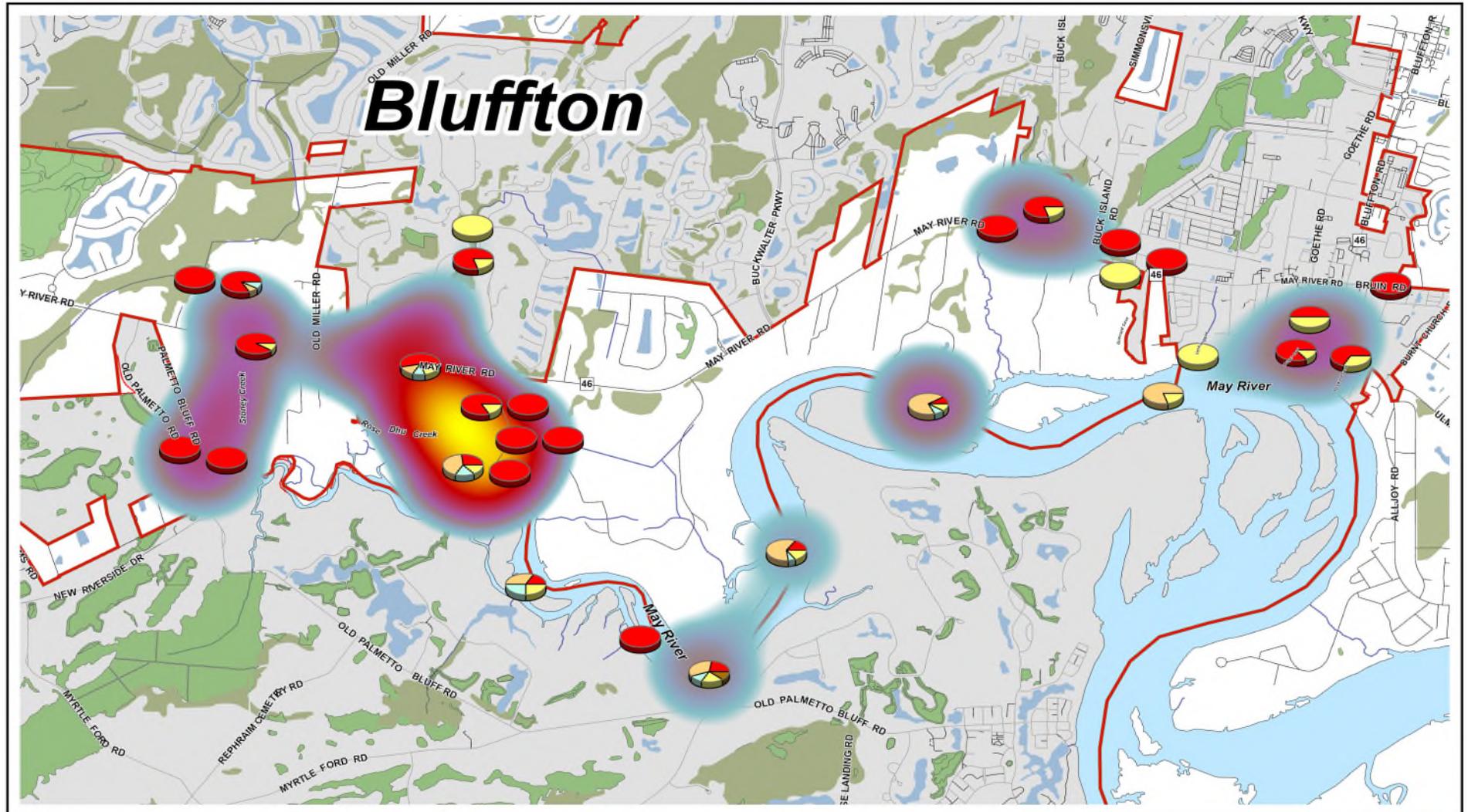


E.coli Concentrations Through: 6/30/2023

	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2024 YTD Totals	0	10	0
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

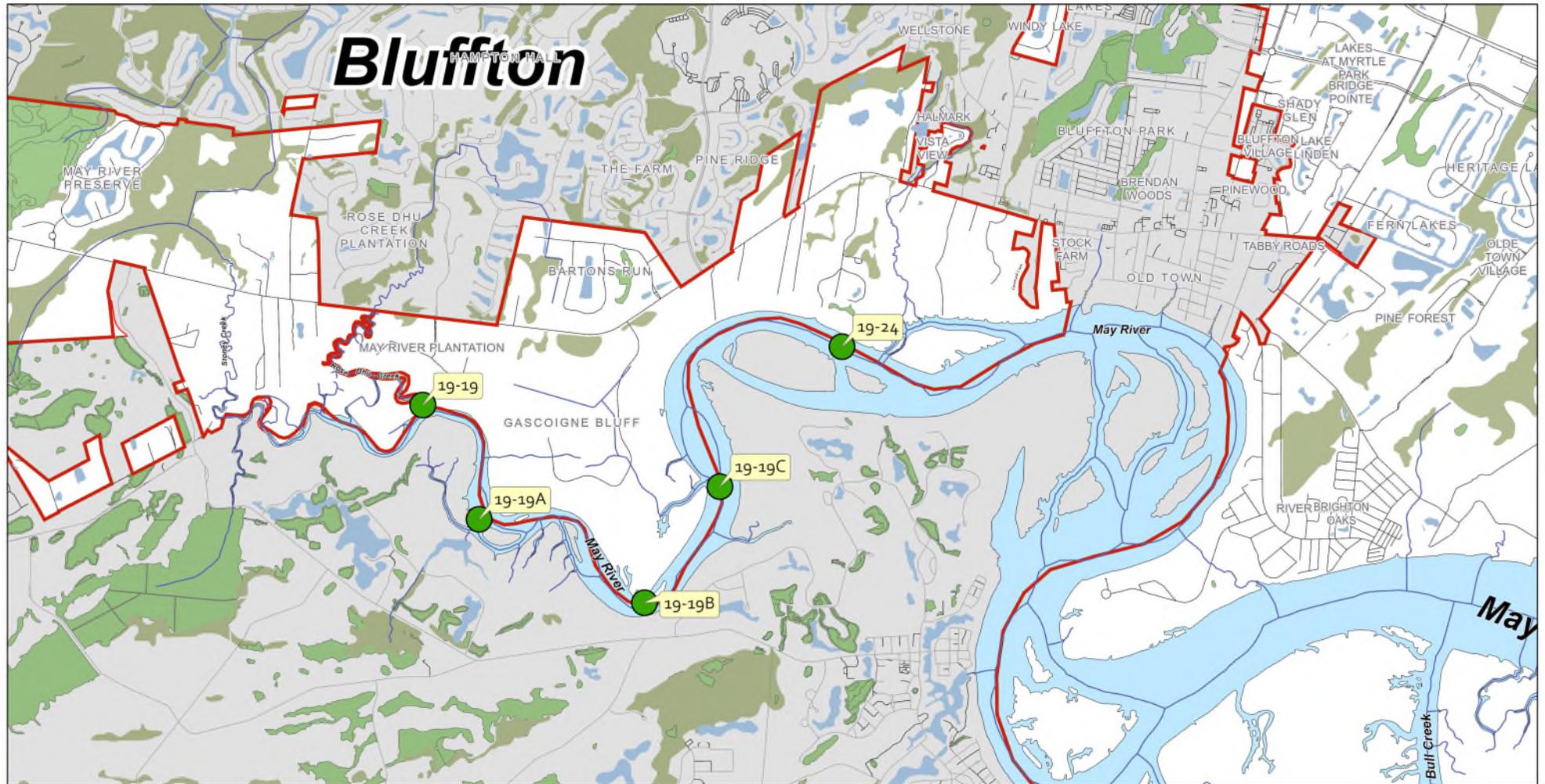
Samples at Sites With Positive Detection  
and the Intensity of Positive Hits

Town of Bluffton  
Beaufort County, SC



Updated Date: 7/17/2023

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

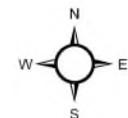


- MST Sampling Location Without Detection
- MST Sampling Location With Detection
- Flowline
- Street
- ☐ Town Jurisdiction
- ☐ County Jurisdiction

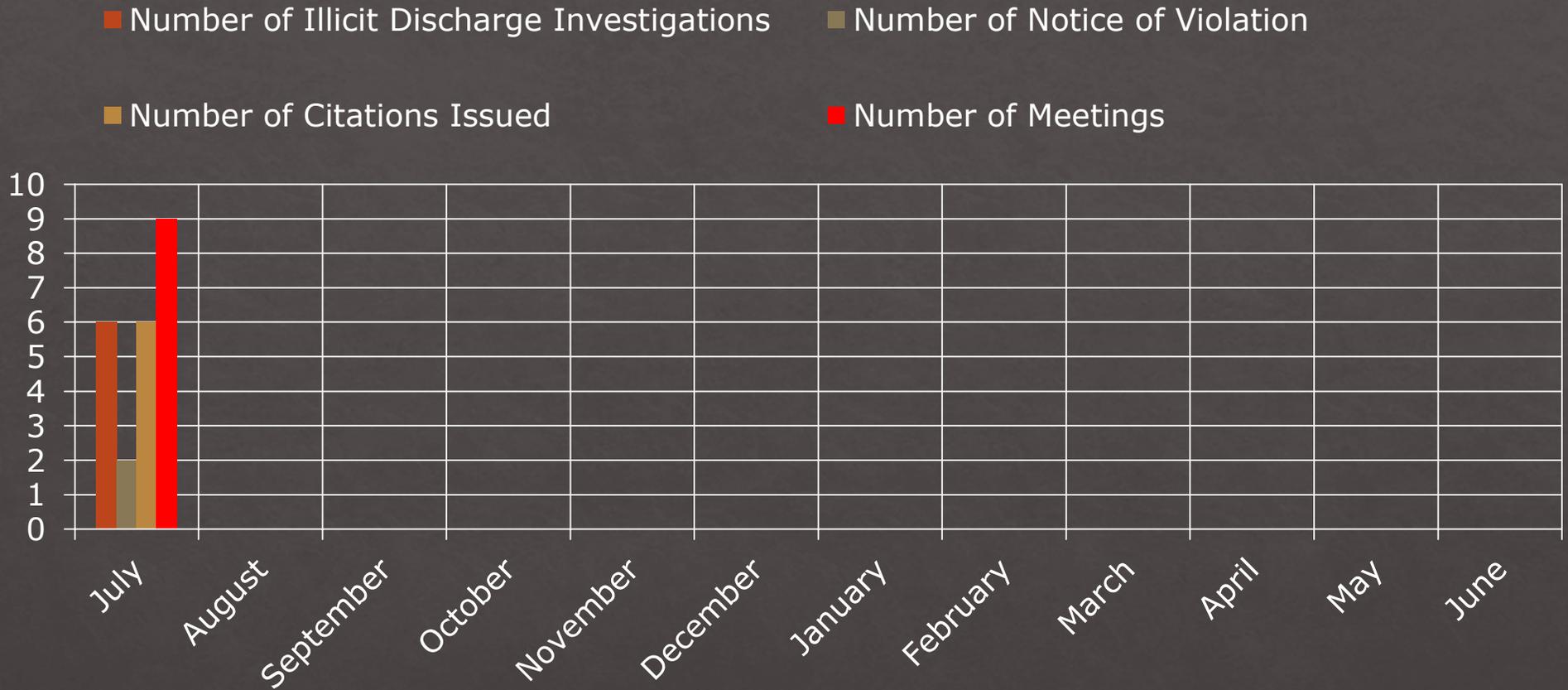
## MICROBIAL SOURCE TRACKING LOCATIONS

Sampling Results July 2023

Town of Bluffton  
Beaufort County, SC



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



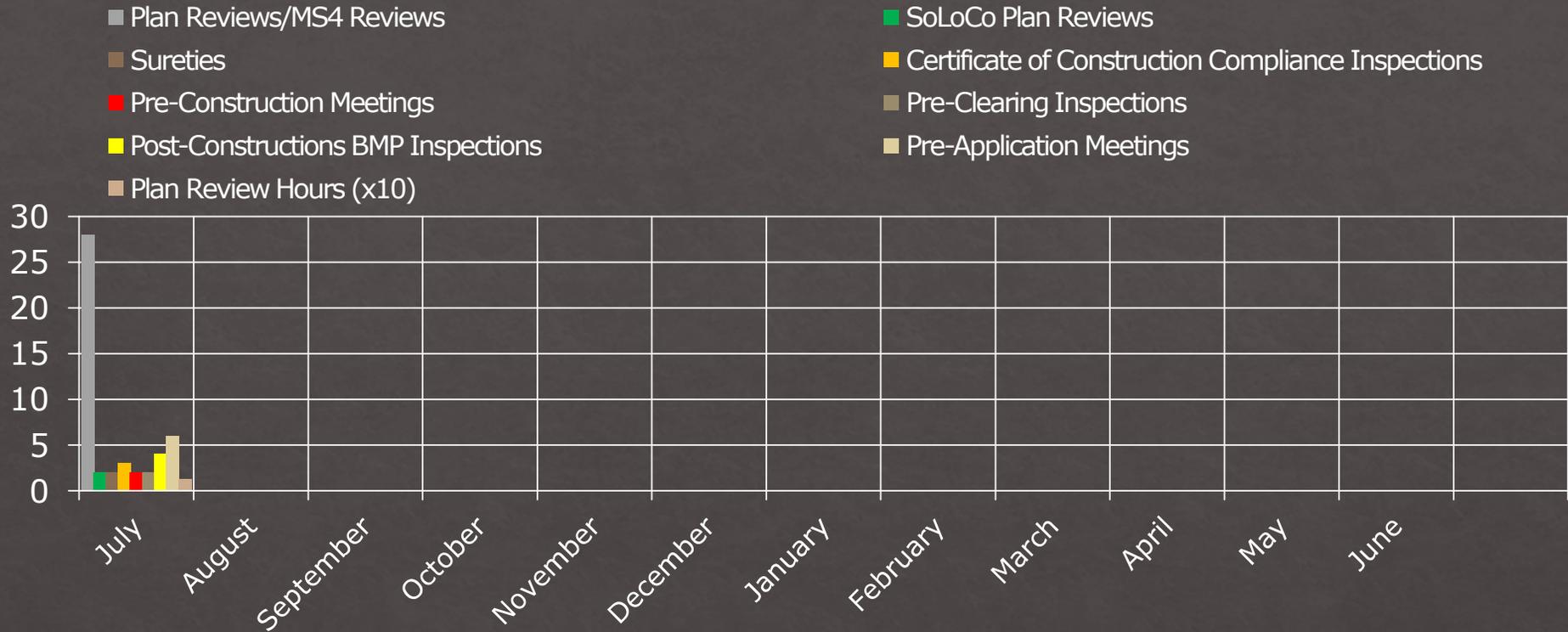
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of Citations Issued	Number of Meetings
FY 2024 YTD Totals	6	2	6	9
FY 2023 Totals	27	89	1	20
FY 2022 Totals	30	5	3	17

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



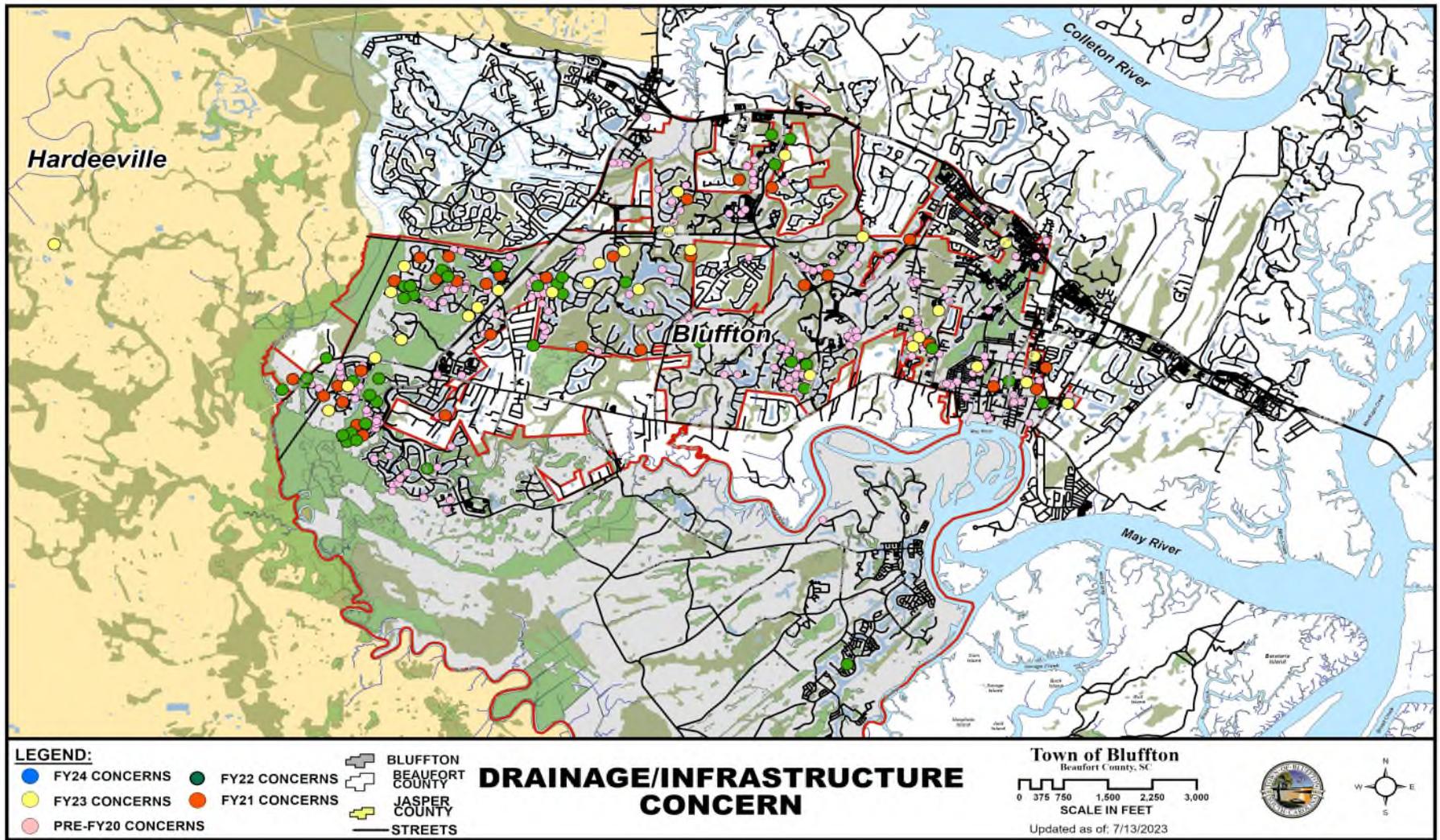
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOV's Issued	Number of SWO Issued	Number of Citations Issued	Number of E&SC Meetings
FY 2024 YTD Totals	240	217	22	1	0	39
FY 2023 Totals	2,321	2,030	266	26	0	577
FY 2022 Totals	3,127	2,701	392	49	0	673

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



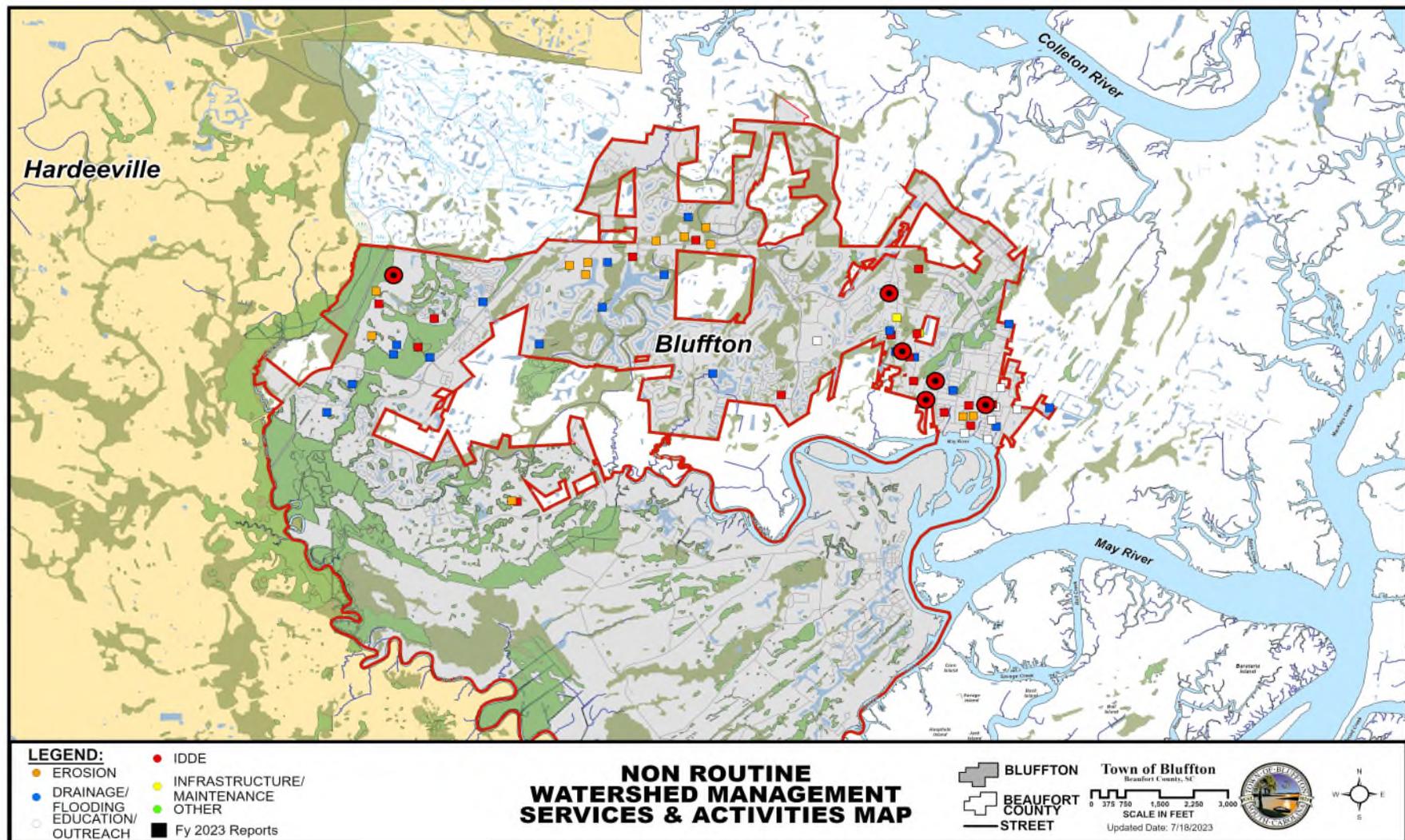
	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2024 YTD	28	2	2	3	2	2	4	6	12.50 Hrs.
FY 2023 Totals	297	67	42	40	15	13	45	50	386 Hrs.
FY 2022 Totals	231	13	42	26	30	23	44	26	454 Hrs.

# Citizen Drainage, Maintenance and Inspections Concerns Map



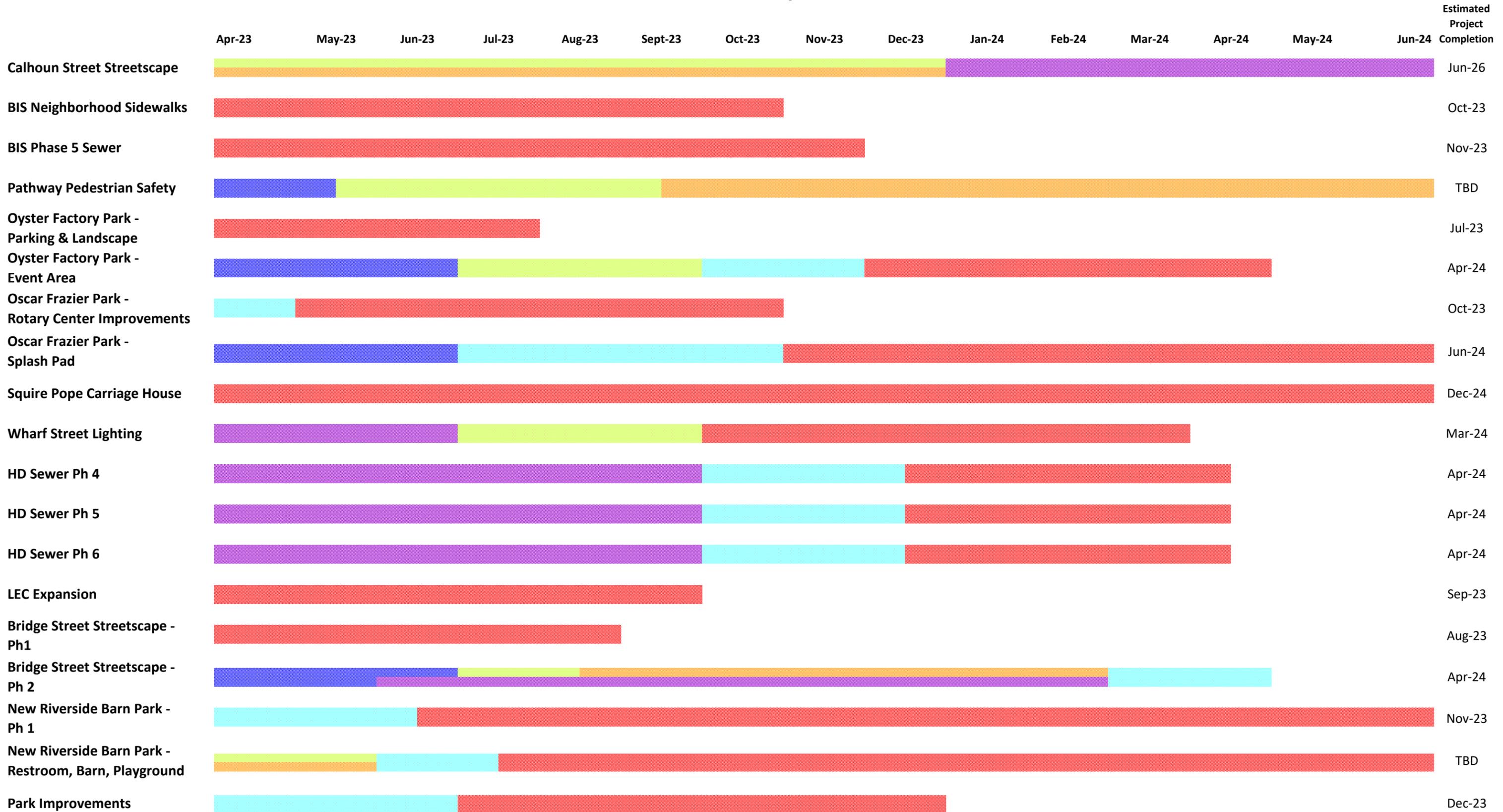
	Number of Drainage Concerns Investigated	Number of Meetings
FY 2024 YTD Totals	0	0
FY 2023 Totals	61	52
FY 2022 Totals	38	34

# Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2024 YTD Totals	6	9
FY 2023 Totals	46	23
FY 2022 Totals	33	21

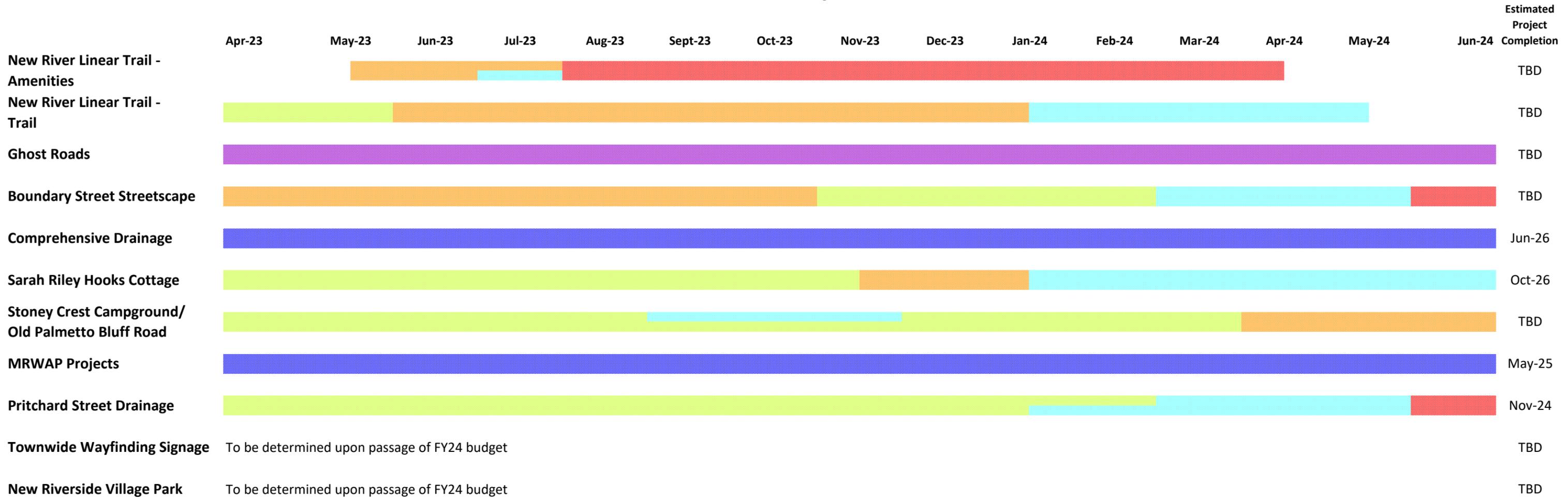
# FY24 CIP Master Project Schedule



■ 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\*



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, October 18th, 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 16th, 2023 ([backup](#))

2. INTRODUCTIONS

3. PUBLIC COMMENT

4. REPORTS

- A. Utility Update – Katie Herrera ([backup](#))
- B. Monitoring Update – Katie Herrera ([backup](#))
- C. Stormwater Implementation Committee Report – Katie Herrera ([backup](#))
- D. Stormwater Related Projects – Taylor Brewer ([backup](#))
- E. Upcoming Professional Contracts Report – Taylor Brewer ([backup](#))
- F. Regional Coordination – Katie Herrera ([backup](#))
- G. Municipal Reports – 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 13th ([backup](#))

9. ADJOURNMENT

