



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



January 2021

Stormwater Utility Board January Packet

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January 2021 Board Report

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Utility Update

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

All project milestones have been completed.

2. Regionalization
 - a) Regional Stormwater Design Standard and Model Ordinance Project – See update above.
 - b) Regionalization of programs – With the finalization of the Regional Stormwater Design Standard and Model Ordinance it is hoped each participating jurisdiction will adopt these policy documents for implementation to provide consistent administration of Stormwater Management guidelines and policies in the region. Discussions of a Regional Stormwater Authority to administer the adopted guidelines and policies holistically within the region/jurisdictions can be fostered.
 - c) SoLoCo Manual and Ordinance adoption passed its second reading on December 14th. Third and final reading will be January 11th. Upon successful adoption, the SoLoCo Design Manual and Ordinance will be implemented on February 1st.
3. Special presentation suggestions –
 - Suggestions for Future Meetings
 - Street-scape presentation – Town of Bluffton – 2/10/2021
 - Wetlands as carbon sinks - TBD
 - DHEC Shellfish Program – TBD. Based on annual report, written in Spring. Local staff is willing to present on updates. Shellfish harvesting ground updates to be presented at November SWUB meeting.
4. Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below. Staff continues to work with GIS to update impervious area layers for the military installations.
5. Delinquent accounts – Phase I Investigations with Gentry Locke Attorneys (looking at data, laws, ordinances, synopsis of case law) to provide recommendations and likely outcomes of either negotiations or litigation.
 - Gentry Locke continues to do research on delinquent fees, and Legal continues to pursue conversation with Federal entities.

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

Monitoring Update

1. Lab Update (From Dr. Alan Warren and Lab Manager Danielle Mickel)
 - i. No information available at time of report.

Stormwater Implementation Committee (SWIC) Report

1. The SWIC met on November 16th. Discussion topics included shared contracts, monitoring efforts, Ex officio voting status, and providing CWI reports to the municipalities yearly. Next meeting TBD, early Q1.

Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status. A few condemnations are still being pursued using outside legal counsel.
2. Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Flyover bridge preventative maintenance and deferred maintenance repairs – Last update: Consultant working on preliminary design and permitting. Consultant is proceeding to apply for the wetland/critical area permit from the state & federal agencies.
 - b) Shell Point Community Meeting –Cranston Engineering has the first three phases of the project complete, the data collection and review and are about 90% with the existing conditions modeling. We have identified the problem flooding areas, pinch points likely causing these problems and several regional BMP opportunities for a majority of the watershed, just need to find and fix the glitch for the remainder.
3. Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision (Design Cost \$49,873, Tree Mitigation Cost \$18,200 & \$18,200,

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Construction Cost by the Developer) – Construction on-going and estimated to be 80% complete. Project anticipated completion date is March 2021. Drone imagery presented at last meeting. No additional updates.

4. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – Construction on-going and estimated to be 95% complete. Staff coordinating easements with property owners.
5. Graves Property / Pepper Hall Public / private partnership – Engineer has submitted conceptual Stormwater Permit plans for roads and infrastructure on the Graves Property. Staff received the Stormwater Master Plan from Davis and Floyd on August 18th. Staff met with Davis and Floyd team to discuss and provided a formal response on September 18th. County staff met with Davis and Floyd staff member about how to move forward with Master Plan mid October. A revised, comprehensive, Stormwater Master Plan was provided to staff to review on November 19th, 2020. Staff review anticipated to be complete by December 4th, 2020. Staff approved the Stormwater Master Plan, with conditions, on December 8th, 2020. Water quality monitoring will begin on site January 2021 and continue beyond all construction being completed. Staff continue to work with all developers submitting for permits to ensure compliance with Beaufort County requirements.
6. Whitehall property purchase – County staff met to review the conceptual Stormwater masterplan for the property with the engineer on June 1st, 2020. No further updates at this time.
7. US 278 “super street” widening on Jenkins Island (Windmill Harbor area) – No update at this time.
8. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – Staff met on December 15th and 18th to work to finalize the implementation plan and schedule. Staff continue to meet until draft plan has been finalized.

Professional Contracts Report

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900) – All projects are in early design phase.
 - a) Salt Creek and Shanklin Road – 90% design for both projects. Still waiting for property owner interest. Salt Creek - Beaufort County MS4 received, OCRM and SCDOT under review. Once permits are obtained, the project will be submitted to SRT and then placed out for bid.
 - b) Shanklin – USACE submittal underway. MS4, OCRM, and SCDOT submittals

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will be made as wetland impacts are finalized.

- c) Brewer Memorial – DOT, DHEC, OCRM permits obtained. Ward Edwards presented project during SRT 12/30/20. All final checklist items are being addressed for individual department approval. Staff working with Clemson Extension regarding educational opportunities.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – All required permits have been obtained. Project is currently out for bid. The bid period closes at 3pm, January 8th.
3. RFQ for Stormwater engineering consulting services was awarded on September 28th, 2020. Staff met with Consultant on October 13th to discuss program goals. Consultant has begun work on SoLoCo Design Manual training. Training for County staff and Designers/engineers to be held before 2/1/21.

Regional Coordination

1. Town of Bluffton and Beaufort County Joint meetings on Sanitary Sewer in the May River watershed – No update at this time.
2. Mossy Oaks Task Force – Once construction has been completed, monitoring project to begin in coordination with the City and USCB.
3. Charleston Area MS4 managers group – No update at this time.
4. May River Watershed Modeling – See municipal reports for more information.
5. Port Royal Sound Conservation Working Group – No additional update at this time.

Municipal Reports

1. Town of Hilton Head Island (From Jeff Netzinger, Stormwater Manager and Brian Eber, MS4 Coordinator)
 - i. [See Attached.](#)
2. Town of Bluffton (From Kim Jones, Watershed Management Division Director)
 - i. [See Attached.](#)
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)

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- i. No information was available at the time of this report.

MS4 Report

1. Plan Review – [See the attached chart](#) for Beaufort County Stormwater staff plan review workload for the past 12 months.
2. Stormwater Permits – [See the attached chart](#) for Beaufort County Stormwater permits issued for the past 12 months.
3. Monthly Inspection summary - [See the attached chart](#) for Beaufort County Stormwater staff inspection, complaint, IDDE, and violations summary for the past 12 months.
4. Weather Station Data. [See attached report.](#)
5. Public Education – [See attached report.](#)
6. Energov permitting software – Staff continues to test software. Implementation has been postponed until May 2021. This is to allow for data conversions, continual testing, and end user training once product has been finalized.
7. MS4 Statewide General permit
No additional updates at this time.
8. Statewide General permit for Construction

No additional updates at this time.
9. DOT permit

No additional updates at this time.

January 2021 Municipal Report - Town of Hilton Head Island
Prepared for the Stormwater Utility Board
Reporting Period Ending on December 31, 2020

1. MS4 Update (EBER/SCHUMACHER)

MCM1 Public Education & Outreach	<ul style="list-style-type: none"> • Fats, Oils, and Grease campaign 12-08-20 • Re-Thinking the built environment 12-08-20 • Be Septic Safe Website 12-08-2020 • Carolina Clear Pet Owners Website 12-08-20
MCM2 Public Involvement & Participation	<ul style="list-style-type: none"> • Adopt a Salt-water Watershed Train the Trainer started certification process with DHEC. This will involve training volunteers who want to sample water and test for water quality parameters.
MCM3 Illicit Discharge Detection & Elimination	18 H2O quality monitoring sites tested & analyzed 0 Complaints received 0 Investigated with Code Enforcement 0 Resolved
MCM4 Construction Site SW Runoff Control	7 Plan reviews w/ corrections required 18 Plan reviews approved 4 Utility Permits 33 Active permitted construction sites 123 Inspections completed; Failed-5, P.Pass-11 3 Pre-Clear Inspection by Eber 4 C of C Inspections by Eber 3 Pre-Clear Inspections done by Schumacher 0 NOV issued
MCM5 Post-Construction SW Management	<ul style="list-style-type: none"> • 0 PCBMP inspections this month. • All of 2016 – 2020 PCBMP have been updated and vetted (94 total as of 8-31-2020) • Employed Cartegraph for PCBMP inspections.
MCM6 Pollution Prevention/Good Housekeeping	<ul style="list-style-type: none"> • Presentations to Town staff given via virtual Meetings, including a quiz. • Community Development completed 7/3 & 8/7 • Facilities Completed in September 2020

- Annual Report submitted to DHEC on November 24; DHEC confirmed receipt on November 30; Deadline was December 1
- October MS4 Audit
 - The Town’s MS4 program was audited by DHEC on October 21.
 - Still waiting hear back from DHEC on their assessment of the Town’s program.
- Pond Management: Seven Town-owned ponds being treated and monitored for algae growth. The water temperature and the lack of rainfall within the ponds are making it very challenging to remove all of the algae growth.
- Cartegraph software now includes PCBMP and primary channel inspection reports that the Town has conducted with annual re-inspection triggers to help us comply with our NPDES permit obligations.

2. Service Requests (MARTIN)

A. December 2020 Service Request Activity:

- New requests: 3 47 (FY21 to date)
- Requests closed: 0 46 (FY21 to date)

B. Open Requests as of December 31, 2020:

- Open Qualifying: 300
 - Public (97)
 - Private* (203) ** Located in residential POAs with current maintenance agreements*
- Open Enforcement 7
 - IDDE (3)
 - Other (4)
- Open Referrals 38
 - County (16)
 - SCDOT (22)

C. Service Request Totals as of December 31, 2020:

- Open: 318 change in last 30 days: +3
- Closed: 1068 change in last 30 days: +0
- Total: 1386 change in last 30 days: +3

3. Major Capital Improvements Update (LADD)

A. Lawton (Sea Pines) SW Pump Station – Electrical System Rehabilitation

Reconstruction of the pump station facility is underway.

- Contract
 - Prime: BRW Construction (utilizing current on-call services contract)
 - Total construction cost: \$1.6 million.
 - NTP on October 9, 2020
 - Estimated completion date: May 28, 2021 (8 Months).
- Permitting
 - Sea Pines ARB approved (9/2)
 - Town Minor DRP approved (9/30)
 - Town Demolition Permit approved (12/1)
 - Town Building Permit pending approval
- Construction Status Update
 - Erosion and sediment control measures installed (11/16)
 - Pre-Clear Inspection passed (11/19)
 - Palmetto Electric disconnected electrical service to station in preparation for demolition work (12/1)
 - Demolition completed (12/15)
 - Utility relocation pending (1/4-15/2021)

4. Pump Station and Routine Maintenance Projects (LADD)

Refer to attached Routine Maintenance Schedule, Revised 1/4/2021

5. CIP and Maintenance Projects (UYESUGI)

Refer to attached SWU FY21 Projects Schedule, Revised 1/5/2021

6. Inventory & Modeling Program (NETZINGER)

A. Lower Jarvis Creek Study (FY19 Budgeted Watershed)

The Town is utilizing Woolpert to conduct a study of the Lower Jarvis Creek Watershed. The study involves collecting data for the existing stormwater system in the field, and identifying infrastructure deficiencies and flood hazards. The study area includes portions of William Hilton Parkway, Wild Horse Road, Gum Tree Road, Spanish Wells Road and Jonesville Road and within portions of the Indigo Run Community. The project is scheduled to be complete by September 2020. *Status meeting held on October 14. Woolpert submitted draft report is mid-December. The report includes evaluation of 10 improvement alternatives. Report is currently being reviewed by staff.*

B. Squire Pope/HH Plantation/Port Royal/Point Comfort Model 2D Conversions

The Town utilized Woolpert to revise and update models developed in previous studies from 1D to 1D/2D and to develop inundation maps for each watershed (GIS shapefiles). Final deliverables submitted in September. Project is Complete.

C. South Forest Beach/Lawton Creek Study (FY20 Budgeted Watershed)

The Town will utilize an on-call consultant to study this watershed once we have the on-call contracts in place. *We anticipate work beginning on this project in February of 2021.*

D. North Forest Beach/Shipyard/Wexford Study (FY21 Budgeted Watershed)

The Town will utilize an on-call consultant to study this watershed once we have the on-call contracts in place. *We anticipate work beginning on this project in April of 2021.*

STORMWATER UTILITY - FY21 PROJECT SCHEDULE

Revised January 5, 2021

Project Assignments

Reimbursement	1
Jeff Netzinger	5
Kelli Uyesugi	43
Erik Ladd	12
	61

Service Totals

		BUDGET	ACUTAL
Maintenance Agreements	82%	\$ 3,492,629	\$ 330,400
Public System	18%	\$ 744,277	\$ 12,915
Total		\$ 4,236,906	\$ 343,315

C	COMPLETE
U	UNDERWAY
P	PLANNED

EVAL	SR #	PA	DESCRIPTION	Prog	BUDGET	ACTUAL	NOTES	Q1	Q2	Q3	Q4
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INVENTORY & MODELING											
											(2)
J			SOUTH FOREST BEACH/SEA PINES (SP041)	FY21B	\$ 375,000		Thomas & Hutton				P
J			SHIPYARD / WEXFORD / NORTH FOREST BEACH	FY21B	\$ 350,581		Woolpert				P

TOTAL INVENTORY & MODELING \$ 725,581 \$ -

MAINTENANCE AGREEMENT CAPITAL PROJECTS

SHIPYARD											
											(1)
12	1523	K	GALLEON COURSE #8 TEE CULVERT REPLACEMENT (SH021)	FY21B	\$ 25,000		internal design		U		
SEA PINES											
											(3)
18	1403	E	SEA PINES PUMP STATION (SPP01)		\$ 1,659,167						
11	852	K	38 CANVAS BACK PIPE REPLACEMENT (SP034)	FY21B	\$ 41,593	\$ 39,200			C		
10	1089	K	MIZZENMAST/LIGHTHOUSE PIPE REPLACEMENT (SP043)	FY21B	\$ 45,000					P	
WEXFORD											
											(1)
12	1021	K	WEXFORD CLUB DRIVE FLOODING (WE007) CHANNEL MAINTENANCE	FY21B	\$ 13,000				U		

TOTAL PUD CAPITAL PROJECTS \$ 1,783,760 \$ 39,200

PUBLIC CAPITAL PROJECTS

TOWN SYSTEM											
											(3)
7	1152	K	104 CORDILLO PKWAY (HEDGES) DRAINAGE (XN082)	FY21B	\$ 45,000		internal design				P
9	1352	K	400 William Hilton Parkway (The Oaks Pathway)	FY21B	\$ 60,000		internal design				P
12	1499	J	Arrow Rd Pathway Crossing at Crossings Park Outfall	FY21B	\$ 40,000		internal design				P

TOTAL NON-PUD CAPITAL PROJECTS \$ 145,000 \$ -

MAINTENANCE AGREEMENT PROJECTS

HILTON HEAD PLANTATION											
											(3)
10	896	K	37 DEERFIELD RD DRAINAGE IMPROVEMENTS (HH039)	FY21B	\$ 60,000	\$ 59,531			C		
9	1227	R	Pine Island - Beach Renourishment	FY21B	\$ 100,000		reimbursement				
12	1068	E	245 Seabrook Drive Weir Gate	FY21B	\$ 15,000						P
INDIGO RUN											
											(4)
6	872	K	4 DRUMMOND LN CHANNEL CLEAN (IR013)	FY21B	\$ 23,940	\$ 15,183	◀ combined w/ SR 1238		C		
9	1238	K	29 PRIMROSE CHANNEL MAINT (IR019)	FY21B	\$ 8,000				C		
6	1124	K	53 ABERDEEN CT SINKHOLE/POINT REPAIR (IR020)	FY21B	\$ 4,000	\$ 2,000			C		
14	1295	K	46 Sussex Lane (Indigo Run) Pipe Cleaning & Sumps	FY21B	\$ 17,500						P
LONG COVE											
											(1)
6	1175	K	2 LONG BROW RD SINKHOLE / POINT REPAIR (LC007)	FY21B	\$ 5,000	\$ 1,500			C		
LEAMINGTON											
											(2)
5	904	K	48 HEATH CT WEST POINT REPAIR / CLEAN (LM007)	FY21B	\$ 5,000						P
6	1495	K	9 Niblick Court (Palmetto Dunes George Fazio GC 4th Fairway) CCTV	FY21B	\$ 15,000						P
PALMETTO DUNES											
											(5)
6	1242	K	FLOTILLA SINKHOLE REPAIR (PD027)	FY21B	\$ 11,000						P
6	1241	K	DINGHY LN SINKHOLE REPAIR (PD028)	FY21B	\$ 10,000						P
6	1244	K	1 LONG BOAT SINKHOLE REPAIR (PD029)	FY21B	\$ 10,000						P
6	1243	K	2 HIGH RIGGER SINKHOLE REPAIR (PD030)	FY21B	\$ 9,500						P
10	1313	K	29 Starboard Tack Pipe Replacement	FY21B	\$ 9,000	\$ 9,300			C		
PALMETTO HALL											
											(3)
9	1231	K	25 LENOX TO 19 CLYDE LAGOON PIPE CLEANING (PH011)	FY21B	\$ 44,848	\$ 50,112			C		
7	1312	K	32 Madison Lane Inlet Replacement	FY21B	\$ 1,000						P
11	1519	J	Palmetto Hall System Outfall at Fish Haul Rd	FY21B	\$ 50,000		CONSULTANT DESIGN				P
PORT ROYAL											
											(7)
6	1210	E	16 BARNACLE RD PIPE CLEAN / CHANNEL MAINT (PR029)	FY21B	\$ 3,000						P
6	1211	E	16 COQUINA RD PIPE CLEAN / CHANNEL MAINT (PR030)	FY21B	\$ 3,000						P
6	1212	E	16 DONAX RD PIPE CLEAN / CHANNEL MAINT (PR031)	FY21B	\$ 3,000						P
8	1395	K	12 Scarborough Head (Ditch & Pipe Cleaning)	FY21B	\$ 12,000						P
8	1482	K	3 Wimbledon Ct (Grasslawn/S. Port Royal median) Pipe Replacement	FY21B	\$ 15,000						P
9	1496	K	61 S. Port Royal Drive Point Repair	FY21B	\$ 2,500	\$ 2,500			C		
9	1520	K	5 Resolute Place Channel Maintenance	FY21B	\$ 15,000	\$ 16,254			C		
SEA PINES											
											(13)
11	1236	E	LAWTON PUMP STATION OUTFALL GATE REPAIR (SP038)	FY21B	\$ 3,000						P
7	1335	K	16 Wagon Road Point Repair	FY21B	\$ 10,000						P
7	1432	E	135 Lighthouse Road (Flap Gate)	FY21B	\$ 9,000						P
7	1492	K	3 Governors Road Point Repair	FY21B	\$ 5,000						P
8	1423	K	13 Genoa Court (upstream Mizenmast Ct system) Pipe Replacement	FY21B	\$ 115,000						P
9	1040	E	30 Governors Road- Near Clubhouse Entrance near Hole #10 Gate Repair	FY21B	\$ 7,000		quote needed				P
9	1289	K	226 Portside Drive (Lagoon Villas) Pipe Replacement/Ditch	FY21B	\$ 29,000		permit required				P
9	1398	E	20 Audubon Pond Drive Flap Gate Replacement	FY21B	\$ 11,000		quote needed				P
10	1399	E	1 Baynard Cove Road (Baynard Cove Outfall) Gate Cleaning & Repair	FY21B	\$ 24,000						P
10	1463	K	18 Surf Scoter Road (Beach Pathway 26) Pipe Replacement	FY21B	\$ 24,000						P
11	1336	K	33 Battery Road CCTV & Pipe Replacement	FY21B	\$ 28,000				U		
12	1400	K	35 Lawton Drive Channel Maintenance	FY21B	\$ 7,000						P
14	1402	K	4 Snowy Egret Road (Beach Access Marker 25) Pipe Replacement	FY21B	\$ 48,000	\$ 42,407			C		
SHIPYARD											
											(4)
13	1408	K	63 Shipyard Drive (Shipmaster) Channel Excavation	FY20C	\$ 25,000	\$ 92,413			C		
9	1412	K	45 Shipyard Drive Point Repair	FY21B	\$ 5,000						P
13	1485	K	Intersection of Barcelona Drive and Shipyard Drive Pipe Replacement	FY21B	\$ 5,000						P
14	1424	K	200 Colonnade Rd (Galleon 6 F'way) Sonesta Outfall System	FY21B	\$ 21,000						P
WEXFORD											
											(1)
11	1525	K	PRIM CHL, RM WEXFORD POWERLINE RV PARK DITCH (WE008)	FY21B	\$ 15,000				U		

PUD MAINTENANCE CONTINGENCY (CP000) \$ 100,000

TOTAL PUD MAINTENANCE PROJECTS \$ 943,288 \$ 291,200

PUBLIC MAINTENANCE PROJECTS

TOWN SYSTEM											
											(8)
LADD			NON-PUD MAINTENANCE (XN000)	FY21B	\$ 260,000		refer to RM program				
EBER			STREET SWEEPING (XN066)	FY21B	\$ 98,000		ongoing weekly schedule				
11	827	J	54 SHAMROCK / COBIA CT DRAINAGE IMPRVTMS (XN081)	FY21B	\$ 23,277		int. dgn / BC to install				P
7	1305	E	50 Dillon Road (WHP- Planters Row GC) Pathway Flooding	FY21B	\$ 5,000		part of C11-2020-J019		C		
7	1498	K	32 Office Park Road Inlet Repair	FY21B	\$ 2,000						P
7	1455	K	316 Squire Pope Road Pipe Cleaning	FY21B	\$ 2,000						P
9	1324	K	271 William Hilton Parkway (Island Tire) Workshel/Channel Maintenance	FY21B	\$ 66,000		deferred ► FY22				
9	1428	K	89 Squire Pope Road Pathway Flooding	FY21B	\$ 15,000						P
10	1338	E	10 Bow Circle (Arrow Road Ditches) Channel Maintenance	FY21B	\$ 35,000		on hold, int dgn rqd				P
13	1522	K	59 Shelter Cove Lane (Veteran's Memorial Park) Dam Repair	FY21B	\$ 18,000	\$ 12,915			C		

CONTINGENCY \$ 50,000

TOTAL NON-PUD MAINTENANCE PROJECTS \$ 574,277 \$ 12,915

PUMP STATION MAINTENANCE PROJECTS

TOWN SYSTEM											
											(1)
LADD			SHIPYARD PUMP STATION (SHP00)	FY21B	\$ 15,000		annual pump maint				P
LADD			WEXFORD PUMP STATION (WEP00)	FY21B	\$ 25,000		annual pump maint				P
LADD			JARVIS PUMP STATION (XNP00 & XNP01)	FY21B	\$ 15,000		annual pump maint				P

PUMP STATION CONTINGENCY (CGP00) \$ 10,000

TOTAL PUMP STATION MAINTENANCE PROJECTS \$ 65,000 \$ -

TOWN COUNCIL

STAFF REPORT

Engineering Department



MEETING DATE:	January 12, 2021
SUBJECT:	Engineering Department Monthly Report
PROJECT MANAGER:	Bryan McIlwee, Director of Engineering

CAPITAL IMPROVEMENTS PROGRAM (CIP) AND SPECIAL PROJECTS UPDATE

PATHWAYS

1. Goethe-Shults Sidewalks Phase 2

- Construction documents and permitting are underway.
- Easement Acquisitions are complete.
- **Next Steps**
 - Obtain approval from LOCOG to bid project ASAP.
 - Obtain Town Council approval of Construction Contract in February 2021.

2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting

- Phase 5 Kitty Road to 301 Buck Island Road, construction is complete. Design of street lighting is underway.
- Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive is under design and permit review.
- Phase 6B along Simmons ville Road from Sugaree Drive northward to the existing New Mustang Road sidewalks is under design.
- **Next Steps**
 - Phase 5 from Kitty Road to lot 310 Buck Island Road inspection and permit closeout.
 - Submit Phase 5 street lighting for an SCDOT encroachment permit. Install street lighting in the second quarter of 2021.
 - Phase 6 design and construction of the remaining Simmons ville Road sidewalks, to be completed in FY 2021-2022.

3. Bridge Street Streetscape

- Construction documents and permitting are underway for Phase 1 streetscape, Burnt Church Road to Calhoun Street. 70% construction drawings are complete and Staff provided plan comments to Cranston Engineering.

- SCDHEC 319 grant application was awarded for \$179,700 for drainage and water quality improvements.
 - **Next Steps**
 - Complete engineering design.
 - Execute contract with Cranston Engineering to complete design modifications and reporting related to the 319 Grant.
 - Prepare easement plats, appraisals, obtain easements and issue bid documents in FY 2021.
 - Construction to start in FY 2022.
- 4. Boundary Street Streetscape**
- Obtained engineering services proposal from Thomas and Hutton.
 - **Next Steps**
 - Obtain Town Council approval of engineering services contract at the 2/9/2021 Town Council meeting.
- 5. New Riverside Linear Trail**
- **Next Steps**
 - Begin planning and prepare a Conceptual Master Plan in FY 2022 pending budget approval.
 - Research grant opportunities to fund planning and construction of future trail improvements.

SEWER & WATER

- 1. Buck Island-Simmons ville Sewer (Phases 5A-5E)**
- Construction and home connections are complete on Phase 5E Poseys Court.
 - Construction is underway on Phase 5A-D.
 - **Next Steps**
 - Complete construction on Phase 5A-D by 7/1/21 contingent upon no extensive weather delays or unforeseen utility conflicts.
 - Start house connections after the main line is approved by DHEC.
- 2. Historic District Sewer Extension Phase 1 - Pritchard Street**
- Construction has started.
 - **Next Steps**
 - Start house connections after the main line is approved by DHEC.
- 3. Historic District Sewer Extension Phase 2 - Bridge Street**
- Received SCDHEC permit to construct.
 - Continue negotiations with property owners for right of entry agreements.

- **Next Steps**
 - Obtain road ownership from SCDOT.
 - Advertise for bids.

- 4. Historic District Sewer Extension Phase 3 – Colcock Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 5. Historic District Sewer Extension Phase 4 – Lawrence Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 6. Historic District Sewer Extension Phase 5 – Green Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 7. Historic District Sewer Extension Phase 6 – Water Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 8. Jason-Able Neighborhood Sanitary Sewer**
 - Construction is complete on the sewer main to serve the additional lots fronting the May River Road.
 - **Next Steps**
 - BJWSA to finalize project closeout.

HISTORIC DISTRICT IMPROVEMENTS

- 1. Boundary Street Lighting**
 - Phase 2 photometric plans complete.
 - Received Phase 2 encroachment permit from SCDOT.
 - Lighting agreements approved by Town Council in May.
 - Agreement has been executed by both parties.
 - Dominion Energy has reported delays in manufacturing and shipping of fixtures and poles.
 - SCDOT and Dominion indicated poles must be installed on Private Property due to Sewer Force Main along Boundary Street
 - **Next Steps**
 - Obtain easements as needed for Phase 2 street lighting.
 - Begin installation of street lighting in February 2021.

2. Historic District Enhancements

- Watershed Management Staff is evaluating preliminary plans to prepare drainage solutions at AME Church.
- Traffic calming guidelines and plan are being negotiated with engineering consultant.
- **Next Steps**
 - ADA ramps and crosswalks are being mapped in Cartegraph by GIS/IT.
 - Continue planning of crosswalks and ADA improvements.
 - Complete Traffic Calming Assessment and Plan.

3. Calhoun Street Streetscape

- Conceptual Master Planning is complete and reviewed at the July Quarterly Workshop.
- Obtained RFQu submittals for Engineering services on 10/8/2020. Selected Thomas and Hutton Engineering to provide engineering design.
- **Next Steps**
 - Submit engineering consultant contract to Town Council for approval at the January 2021 meeting.
 - Continue to follow up with Staff and Dominion Energy for planning of underground power.

4. Squire Pope Carriage House Preservation

- Construction Documents are 95% complete.
- **Next Steps**
 - Meadors Architectural to complete Construction Documents.
 - Staff to review and approve completed Construction Documents.
 - Awaiting budget approval for future construction.
 - Coordinate design of “Coming Soon” sign.

PARK DEVELOPMENT

1. Oyster Factory Park

- Updated conceptual master plan is underway based on Town Council input provided at the July Quarterly Workshop.
- **Next Steps**
 - Obtain ACOE and DHEC Permit application for installation of salvaged dock components from Calhoun Street.
 - Complete draft Conceptual Master Plan and cost estimate from Witmer Jones Keefer.
 - Submit Conceptual Master Plan updated to Town council at the January 2021 Quarterly Workshop.
 - Begin final design of next phase of improvements per Town Council direction provided at the Workshop.

2. **68 Boundary Street Park Renovations**
 - Construction and maintenance contracts complete.
 - **Next Steps**
 - Fabricate permanent Martin Family sign prior to park dedication.
3. **Calhoun Street Dock and Public Riverfront Access Improvements**
 - Dock construction is complete.
 - **Next Steps**
 - Complete installation of Dock Rules signs.
4. **Wright Family Park**
 - Bulkhead, boardwalk, restroom building, perimeter sidewalks, landscaping and parking area are complete.
 - Site signage, and furniture are 99% complete.
 - **Next Steps**
 - Coordinate Ribbon Cutting Ceremony as pandemic allows.
 - Additional benches are on reorder and will be installed upon receipt.
 - Complete Change Order for additional lighting in January 2021
5. **Oscar Frazier Park**
 - **Next Step**
 - Complete construction contract for sidewalk construction.
 - Continue planning of future improvements in FY 2022.
6. **New Riverside Barn/Park**
 - Submitted grant application to LWCF for \$300,000.00 funding of the initial phase of the project. Application is under review by NPS and Staff expects to hear response in the Spring of 2021.
 - Archeological Report complete as needed for Grant eligibility.
 - Obtained Town Council approval of the Conceptual Master Plan at the December 2020 Council meeting.
 - Obtained Proposal from Thomas and Hutton for Phase 1 Engineering design.
 - **Next Steps**
 - Hart Howerton to complete Design Development drawings for Phase 1 site development.
 - Complete construction drawings, cost estimating and permitting of Phase 1 development by July 2021.
 - Phase 1 bidding and construction anticipated to begin in FY 2022.

TOWN FACILITIES AND MISCELLANEOUS PLANNING

1. **Buckwalter Place Multi-County Commerce Park**
 - Buckwalter Place Park and Veterans Memorial are complete. Additional work was approved to modify irrigation system conversion from irrigation pond to BJWSA system.

- Executed contracts for Buckwalter Park restroom design with Thomas and Hutton and Pearce Scott Architects.
 - Site planning for future development parcel underway with Cranston Engineering.
 - Prepared estimate of probable construction cost and appraisal for future development site.
 - **Next Steps**
 - Complete irrigation conversion at Park by December.
 - Review progress plans for restroom building at Buckwalter Park.
 - Continue site planning for future development parcel.
- 2. Town of Bluffton Housing Project**
- Surveying and geotechnical services complete for 1095 May River Road and 115 Bluffton Road sites.
 - **Next Steps**
 - Planning and design to begin in FY 2021 as directed by Joint Venture Agreement.
 - Assist with the preparation of a comprehensive cost estimate for planning, design and construction for the various housing projects.
- 3. Law Enforcement Center Facility Improvements**
- Executed contracts for construction with CBG Siteworks Construction.
 - Interior paint of Substation complete.
 - **Next Steps**
 - Continue construction of LEC service yard and parking improvements by the July 2021
 - Information Technology department coordinating upgrades to building security systems.
- 4. Ghost Roads**
- Surveying and easement exhibits are complete.
 - Pritchard Street Quit Claim Deed exhibits are complete. The Town Attorney is working on finalizing the document with Beaufort County.
 - Staff is meeting with property owners to raise awareness of the acquisition efforts and communicate next steps.
 - **Next Steps**
 - Continue meeting with property owners and obtaining quit claim deeds.
- 5. Community Safety Cameras**
- Cameras have been installed at Bluffton Road Public Parking Lot, Veterans Park, Wright Family Park, Calhoun Street Dock .
 - and 14 older cameras in the network have been replaced.
 - **Next Steps**
 - Continue with camera replacements and upgrades as necessary.

6. Public Works Facility Improvements

- Finalize the plans for expanding of Public Works yard.
- Install new plumbing/ electric for the washer and dryer.
- **Next Steps**
 - Begin permitting and bid for the expansion of the yard FY21.
 - Bid the installation of the plumbing / electric FY21.

7. Rotary Community Center Facility Improvements

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

8. Watershed Management Facility Improvements

- Remove the carpet and install new flooring in the rear office space.
- **Next Steps**
 - Request quotes on completing the new flooring in the office.

DIVISION/STAFF UPDATES**Project Management**

Thirty-five (35) CIP projects are currently in progress. Don Ryan Center, Veteran Memorial, Buckwalter Park and BIS Phase 5 sidewalks, Wright Family Park and the Calhoun Street Dock have recently been completed. CIP projects including BIS Phase 5E sewer, and Pritchard Street sewer are currently under construction and nearing completion. The LEC Parking Expansion, BIS Phase 5A-D Sewer started construction in December 2020, and the Boundary Street Lighting projects is expected to start construction in February 2021. The remaining CIP projects are in the design phase and several are planned for construction in FY 2022.

Watershed Management**1. Southern Lowcountry Regional Board (SoLoCo)****a. Regional Southern Lowcountry Post Construction Stormwater Ordinance and Design Manual**

- Via concurrence of the Mayor and direction by the Town Manager, staff has participated in the SoLoCo Technical Working Group to develop a regional stormwater model ordinance and design manual and investigate the viability of a regional stormwater authority.
- Final documents have been delivered and staff is conducting internal review for consistency with the Unified Development Ordinance prior to Legal Review.
- 8/27/20 Unanimous recommendation from May River Watershed Action Plan Advisory Committee for adoption.
- 10/28/20 Unanimous recommendation from Planning Commission for adoption.
- 12/8/20 Town Council – 1st reading with unanimous approval.

- **Next Steps**
 - 2/9/21 Town Council – Public Hearing and 2nd reading.
 - Anticipated implementation date of either 2/15/21 or 3/1/21.

2. **Sea Level Rise Task Force**

- Following Beaufort County’s presentation and request for regional participation at the 10/22/19 SoLoCo meeting, staff is attending the Sea Level Rise Task Force meetings to discuss a possible No Fill Ordinance and county-wide sea level rise adaptation strategies.
- Meetings continue to discuss projected impacts of sea level rise on the region with a focus on ways that local government can respond through policies, ordinances and projects to mitigate the potential impacts of sea level rise.
- Internal staff reviews of draft documents complete and feedback provided to Task Force.
- Task Force met 12/15/20 and 12/18/20 to prioritize recommendations for final document.
- **Next Steps**
 - Beaufort County to present and request a recommendation from SoLoCo for regional partners to adopt.

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

- BJWSA developed their CIP list for FY 2020 sewer projects which does not include any projects in the County’s jurisdiction in the May River Headwaters without cost-sharing.
- Following the Joint Councils Meeting with BJWSA, held on 2/25/20, staff from Beaufort County and Town of Bluffton met to discuss sewer extension scope and strategy on 2/27/20.
- Staff from the Town, County, and BJWSA met via Zoom 3/27/20 to confirm project scope, cost, and potential project manager. the last project cost estimate to extend, connect, and abandon septic in the Stoney Creek project area is \$4.7 million (B. Chemsak email 7/22/19) but they anticipate those numbers increasing to \$5.5 million. The proposal is 1/3 cost-share, so the Town’s portion would be approximately \$1.83 million. Beaufort County has not formally agreed or committed any funding.
- Neither BJWSA nor Beaufort County have committed funds in FY 2021 to begin sewer extension.
- Town Manager, Director of Engineering and staff met with BJWSA General Manager, Engineer and staff on 6/5/20 to discuss how to move the project forward.
- Staff to work with BJWSA staff to prepare Project Information Sheet to include scope, cost, cost-share, exhibits, and timeline for project implementation.
- **Next Steps**
 - The Town submitted a response on 12/18/21 to BJWSA’s “call for projects” request that prioritizes May River Watershed sewer projects.

- Staff is drafting a Memorandum of Agreement with Beaufort County and BJWSA to agree on project scope and cost-sharing.
4. **SC Department of Health and Environmental Control May River Shellfish Harvesting Monitoring Data Year-to-Date and May River Shellfish Harvesting Status Exhibit – Attachments 1 and 1a**
 5. **May River Watershed Action Plan Implementation Summary - Attachment 2**
 6. **Municipal Separate Storm Sewer System (MS4) Program Update**
 - Staff is currently updating the Town’s MS4 Stormwater Management Plan and supporting documentation. SCDHEC is currently in the process of developing a revised National Pollutant Discharge and Elimination (NPDES) Permit for Small MS4s and will re-issue to permittees, including the Town, in the future.
 7. **MS4 Minimum Control Measure (MCM) - #1 Public Education and Outreach, and MS4 MCM - #2 Public Participation and Involvement**
 - Staff participated in the Beaufort County Stormwater Utility Board meeting on 12/9/20.
 - The May River Watershed Action Plan Advisory Committee met 12/03/20.**Attachment 3**
 8. **MS4 MCM – #3 Illicit Discharge Detection and Elimination**
 - Stormwater Infrastructure Inventory Map - **Attachment 4a**
 - *E. coli* Concentrations Trend Map - **Attachment 4b**
 - Monthly, Microbial Source Tracking (MST) Maps - **Attachments 4c and 4d**
 - Town staff coordinates with the SC Department of Health and Environmental Control (SCDHEC) to pull MST samples concurrently with the state’s routine shellfish harvesting water quality sampling at stations 19-19, 19-19A, 19-19B, 19-19C, 19-24, and 19-16. SCDHEC will conduct sampling on 12/08/20. Staff will notify Council and Senior Staff of any pertinent findings from this sampling event via email.
 - Illicit Discharge Investigations – **Attachment 4e**
 9. **MS4 MCM – #4 Construction Site Stormwater Runoff Control – Attachment 5**
 10. **MS4 MCM – #5 Stormwater Plan Review and Related Activity – Attachment 6**
 11. **MS4 MCM – #6 Good Housekeeping (Staff Training/Education)**
 - Jones, Lewis and Moreno successfully completed the training and exam for Clemson Extension’s Post-construction Best Management Practice Inspector re-certification.
 12. **Citizen Drainage, Maintenance, and Inspections Concerns Map – Attachment 7**
 13. **Citizen Request for Watershed Management Services & Activities – Attachment 8**

Public Works

1. **MS4 MCM – #6 Good Housekeeping (Ditch, Drainage and Roadside Maintenance)**
 - Performed weekly street sweeping on Calhoun Street, Highway 46, Bruin Road, May River Road, Pin Oak Street, and curbs and medians on Simmonsville and Buck Island Roads.
 - Performed ditch inspections
 - Arrow ditch (2,569 LF)
 - Red Cedar ditch (966 LF)
 - Buck Island roadside ditch (15,926 LF)
 - Simmonsville roadside ditch (13,792 LF)
 - Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simmonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road and Eagles Field.
 - Ongoing mowing of the New River side trail and field at New River barn.
 - Beautification Program –Landscape Maintenance - ongoing routine.
2. **Facilities**
 - Facilities and Parks Maintenance - ongoing routine.
3. **Public Works Activities Report - Attachment 9**

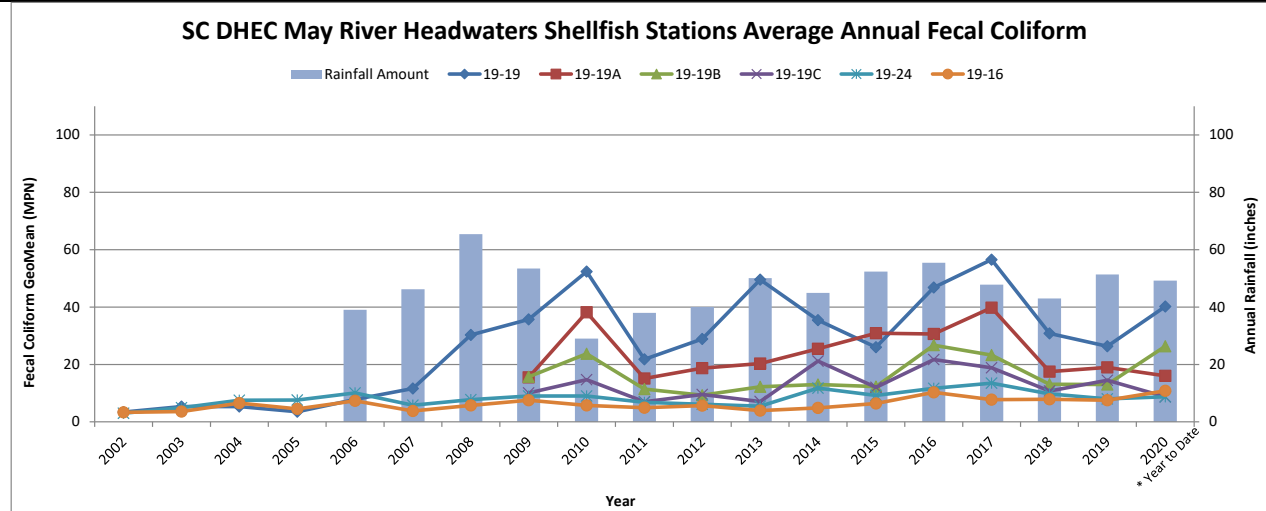
Attachments

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

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

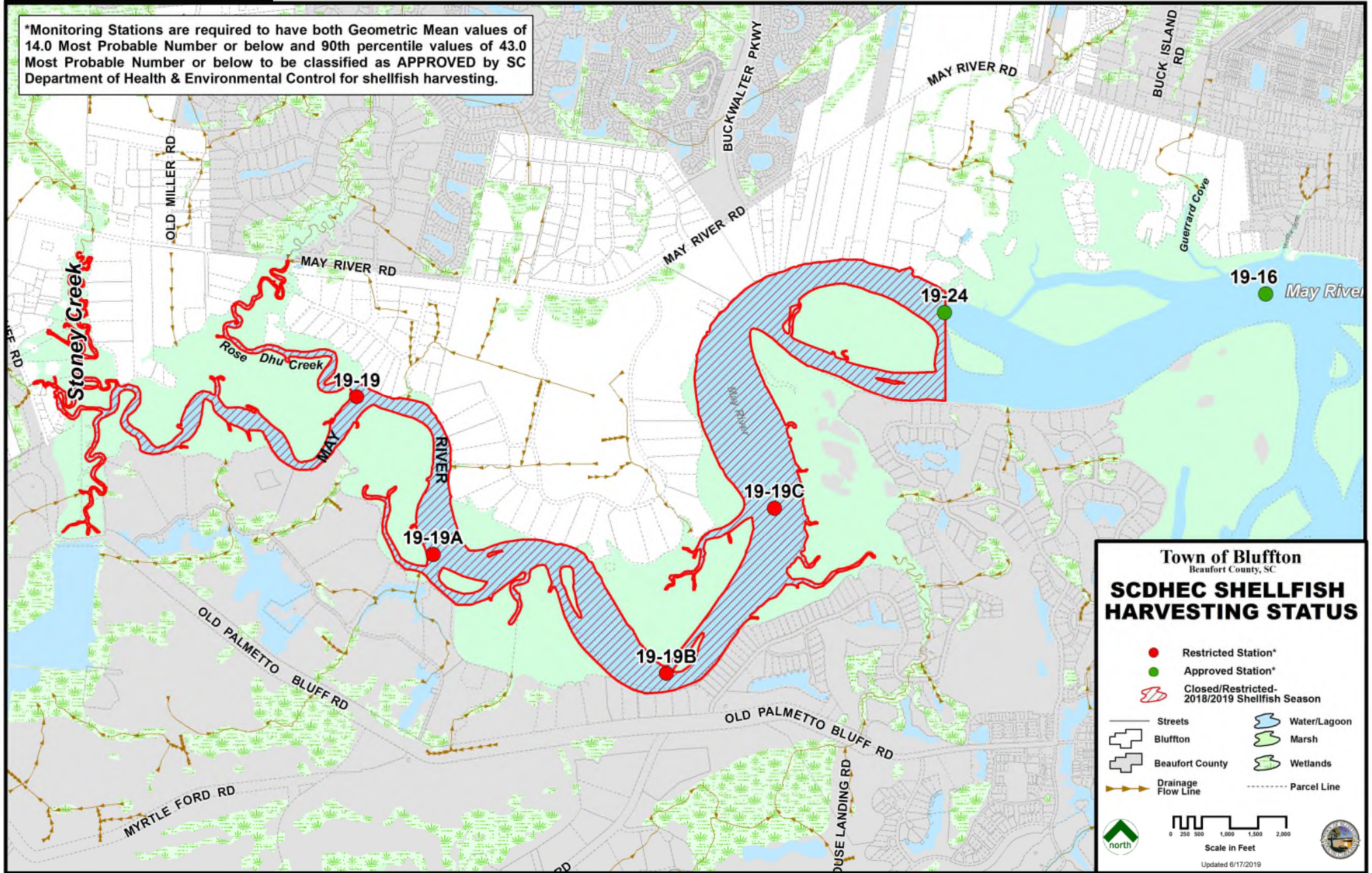
	19-19				19-19A				19-19B				19-19C				19-24				19-16							
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)
December	1600.0	79.0	170.0	17.0	920.0	49.0	33.0	22.0	540.0	33.0	140.0	17.0	240.0	46.0	33.0	4.5	220.0	23.0	13.0	4.0	49.0	21.0	110.0	11.0				
November	49.0	49.0	17.0	70.0	33.0	13.0	6.8	31.0	7.8	23.0	7.8	17.0	31.0	17.0	11.0	13.0	2.0	17.0	4.5	13.0	2.0	7.8	2.0	4.5				
October	22.0	79.0	7.8	49.0	49.0	23.0	4.5	79.0	33.0	7.8	2.0	31.0	23.0	7.8	4.5	21.0	6.8	7.8	1.8	33.0	2.0	2.0	2.0	79.0				
September	17.0	49.0	79.0	110.0	7.8	23.0	33.0	49.0	11.0	13.0	6.8	49.0	4.5	17.0	17.0	33.0	2.0	17.0	4.5	33.0	1.8	17.0	1.8	33.0				
August	79.0	70.0	70.0	49.0	70.0	23.0	49.0	49.0	21.0	13.0	33.0	23.0	33.0	4.5	22.0	23.0	33.0	7.8	7.8	17.0	33.0	17.0	17.0	22.0				
July	350.0	23.0	4.5	33.0	110.0	33.0	13.0	13.0	130.0	11.0	7.8	23.0	49.0	7.8	17.0	7.8	49.0	13.0	22.0	7.8	22.0	4.5	13.0	17.0				
June	23.0	11.0	33.0	NS	49.0	23.0	49.0	NS	13.0	23.0	49.0	NS	17.0	7.8	46.0	NS	7.8	4.5	13.0	NS	4.5	1.8	4.5	NS				
May	17.0	17.0	7.8	70.0	23.0	33.0	9.2	49.0	7.8	17.0	7.8	23.0	2.0	13.0	2.0	22.0	23.0	23.0	6.8	6.8	4.5	13.0	4.5	4.5				
April	7.8	33.0	23.0	33.0	23.0	13.0	13.0	33.0	4.5	17.0	7.8	13.0	7.8	17.0	6.8	6.8	13.0	49.0	23.0	13.0	4.5	17.0	6.8	13.0				
March	350.0	22.0	23.0	170.0	11.0	21.0	23.0	49.0	33.0	4.5	6.8	130.0	13.0	11.0	13.0	49.0	13.0	7.8	7.8	70.0	33.0	9.3	4.5	33.0				
February	13.0	17.0	64.0	17.0	7.8	7.8	33.0	7.8	13.0	17.0	23.0	21.0	9.3	17.0	31.0	4.5	4.5	2.0	6.8	4.5	1.8	7.8	13.0	6.8				
January	95.0	13.0	23.0	95.0	79.0	2.0	23.0	33.0	31.0	4.5	13.0	33.0	49.0	2.0	33.0	17.0	27.0	1.8	7.8	17.0	33.0	4.5	23.0	17.0				
Additional Samples																												
Additional Samples																												
Average Annual GeoMean	56.5	30.8	26.4	51.4	39.8	17.5	19.0	31.9	23.3	13.1	13.0	27.3	18.8	10.7	14.5	14.0	13.5	9.8	8.0	13.8	7.7	7.9	7.5	15.3				
** Truncated GeoMetric Mean	44.0	42.0	35.0	34.0	36.0	29.0	23.0	21.0	20.0	20.0	16.0	16.0	16.0	15.0	14.0	12.0	10.0	10.0	10.0	10.0	7.0	8.0	7.0	9.0				
** Truncated 90th Percentile	203.0	176.0	168.0	106.0	133.0	115.0	89.0	59.0	83.0	71.0	63.0	50.0	57.0	56.0	52.0	37.0	37.0	44.0	38.0	31.0	29.0	30.0	32.0	35.0				

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



May River Headwaters

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



Town of Bluffton
Beaufort County, SC

SCDHEC SHELLFISH HARVESTING STATUS

- Restricted Station*
- Approved Station*
- ▨ Closed/Restricted-2018/2019 Shellfish Season
- Streets
- ▭ Bluffton
- ▭ Beaufort County
- Drainage Flow Line
- ▭ Water/Lagoon
- ▭ Marsh
- ▭ Wetlands
- ⋯ Parcel Line

Scale in Feet
0 250 500 1,000 1,500 2,000

Updated 6/17/2019

ACTIVITY - FINANCIAL	STATUS
Funding Opportunities	Council unanimously adopted \$115 SWU Fee and NPDES-related Fees on 6/9/20.
ACTIVITY - POLICIES	STATUS
Sewer Connection & Extension Policy	<i>Completed 2017.</i>
Septic to Sewer Conversion Program	<i>Completed 2018.</i>
Sewer Connection Ordinance and Ordinance Amendment	<i>Completed 2015 and 2018, respectively.</i>
Southern Lowcountry Regional Stormwater Ordinance and Design Manual	<i>Current project updates are included in Engineering Consent Agenda under "Southern Lowcountry Regional Board (SoLoCo)."</i>
ACTIVITY - PROJECTS	STATUS
Sanitary Sewer Extension	Completed Buck Island/Simmons Road (BIS) Phases I, II, III, IV; Toy Fields; and Jason/Able. Six project phases of Historic District sewer extension are proposed in the 5-year Capital Improvement Program. <i>Current project updates are included in Engineering Consent Agenda under "Sewer & Water."</i>
May River 319 Grant Phase 1 - New Riverside Pond (Grant award of \$483,500 in 2009)	<i>Completed 2013.</i>
May River 319 Grant Phase 2 - Pine Ridge (Grant award of \$290,000 in 2011)	<i>Completed 2016.</i>
May River 319 Grant Phase 3 - Town Hall Parking Retrofit (Grant award of \$231,350 in 2016)	<i>Completed 2019.</i>
May River 319 Grant Phase 4 - Sanitary Sewer Connections (Grant award of \$365,558.36 in 2019)	Grant to construct 49 sewer lateral connections in Poseys Court, Little Aaron and Historic District Phases 1 and 2. <i>Current project updates are included in Engineering Consent Agenda under "Sewer & Water."</i>
May River 319 Grant Phase 5 - Bridge Street Streetscape (Grant award of \$179,900 in 2020)	Supports enhanced drainage and water quality improvements as part of the Bridge Street Streetscape project. <i>Contract signed on 12/4/20 and kick-off meeting held on 12/16/20.</i>
Stoney Creek Wetlands Restoration: Preliminary Design Phase	Project on hold following Council direction on 5/31/17.
May River Watershed Water Quality Model	Contract awarded to McCormick Taylor with final deliverables received 11/20. <i>As a major component of the May River Watershed Action Plan Update, anticipated Town Council Workshop on 1/19/21, WAPAC recommendation to adopt on 1/21/21, and Town Council adoption on 2/9/21.</i>
ACTIVITY - PROGRAMS	STATUS
Public Outreach/Participation/Involvement (MS4 Minimum Control Measures #1 & 2)	Outreach and involvement efforts continue through county-wide partnership with Carolina Clear as Lowcountry Stormwater Partners - Neighbors for Clean Water, through local cleanups, civic group presentations, and the May River Watershed Action Plan Advisory Committee. <i>Current updates are included in Engineering Consent</i>
Infrastructure Mapping/GIS (MS4 Minimum Control Measure #3)	Data points continue to be collected with new development to meet MS4 requirements & populate water quality model. <i>Current updates are included in Engineering Consent Agenda Attachment 4a.</i>
Water Quality Monitoring Program (MS4 Minimum Control Measure #3)	<ol style="list-style-type: none"> 1. SCDHEC Shellfish monitoring results and map 2. <i>E. coli</i> bacteria "hot spot" concentrations 3. Microbial Source Tracking of bacteria 4. Illicit Discharge investigation and monitoring 5. BMP efficacy monitoring 6. MS4 monitoring <i>Current updates are included in Engineering Consent Agenda Attachments 1, 1a, 4b - 4d.</i>

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



**TOWN OF BLUFFTON
MAY RIVER WATERSHED ACTION PLAN ADVISORY COMMITTEE MEETING
ELECTRONIC MEETING**

Thursday, December 03, 2020 | 9 AM

AGENDA

This meeting can be viewed on the Town of Bluffton's Facebook page
(<https://www.facebook.com/TownBlufftonSC/>)

- I. CALL TO ORDER**
- II. NOTICE REGARDING POSTING OF MEETING PER SOUTH CAROLINA FREEDOM OF INFORMATION (FOIA) REQUIREMENTS**
- III. ROLL CALL AND CONFIRMATION OF QUORUM**
- IV. ADOPTION OF AGENDA**
- V. ADOPTION OF MINUTES – August 27, 2020**
- VI. PUBLIC COMMENTS**

Public Comments may be submitted electronically via the Town's website at (<https://www.townofbluffton.sc.gov/FormCenter/Town-15/Public-Comment-60>) or by emailing your comments to the Stormwater Technician at bnoonan@townofbluffton.com. Comments will be accepted up to close of business (5:30 PM) the day prior to the scheduled meeting start time. All comments will be read aloud for the record.

- VII. NEW BUSINESS**
 - 1. May River Watershed Action Plan Advisory Committee (WAPAC) Welcome New Committee Member**
 - 2. Welcome New Town of Bluffton Stormwater Project Manager**
 - 3. Current Status of the May River Watershed Action Plan Update**
 - 4. Proposed 2021 Meeting Dates and Time**

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

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

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

VIII. OLD BUSINESS

1. Water Quality Monitoring Program (standing item)
 - A. Monthly Sampling Update
 - B. Microbial Source Tracking (MST) Update
 - C. SCDHEC Shellfish Data Update

IX. DISCUSSION

X. ADJOURNMENT

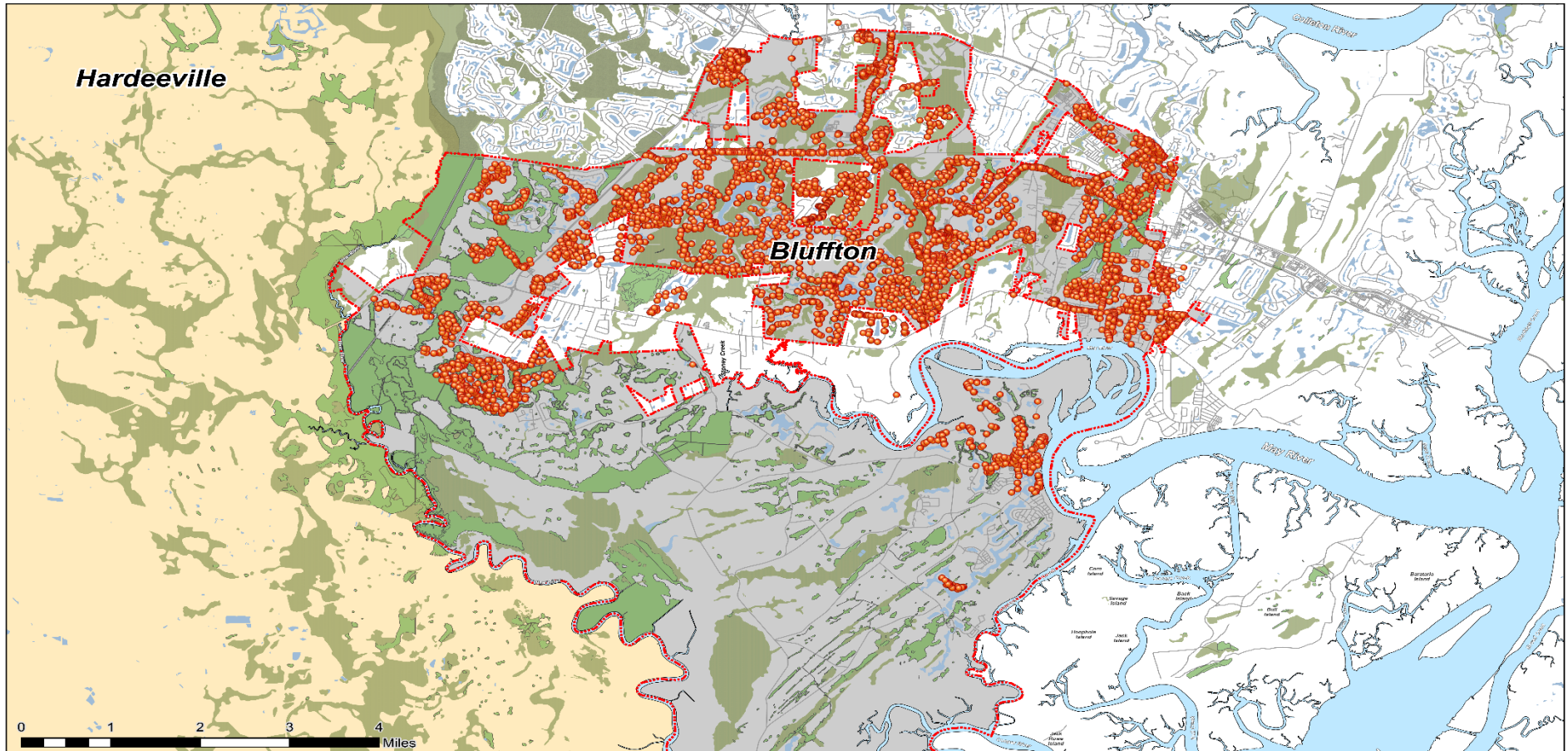
NEXT MEETING DATE: Proposed 9:00 AM, Thursday, January 21, 2021

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

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

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

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

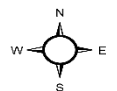


- SW STRUCTURE
- TOWN OF BLUFFTON
- WETLAND
- BEAUFORT COUNTY
- WATER
- SW PIPE
- JASPER COUNTY
- ROADS

Town of Bluffton
Beaufort County, SC

STORMWATER INFRASTRUCTURE

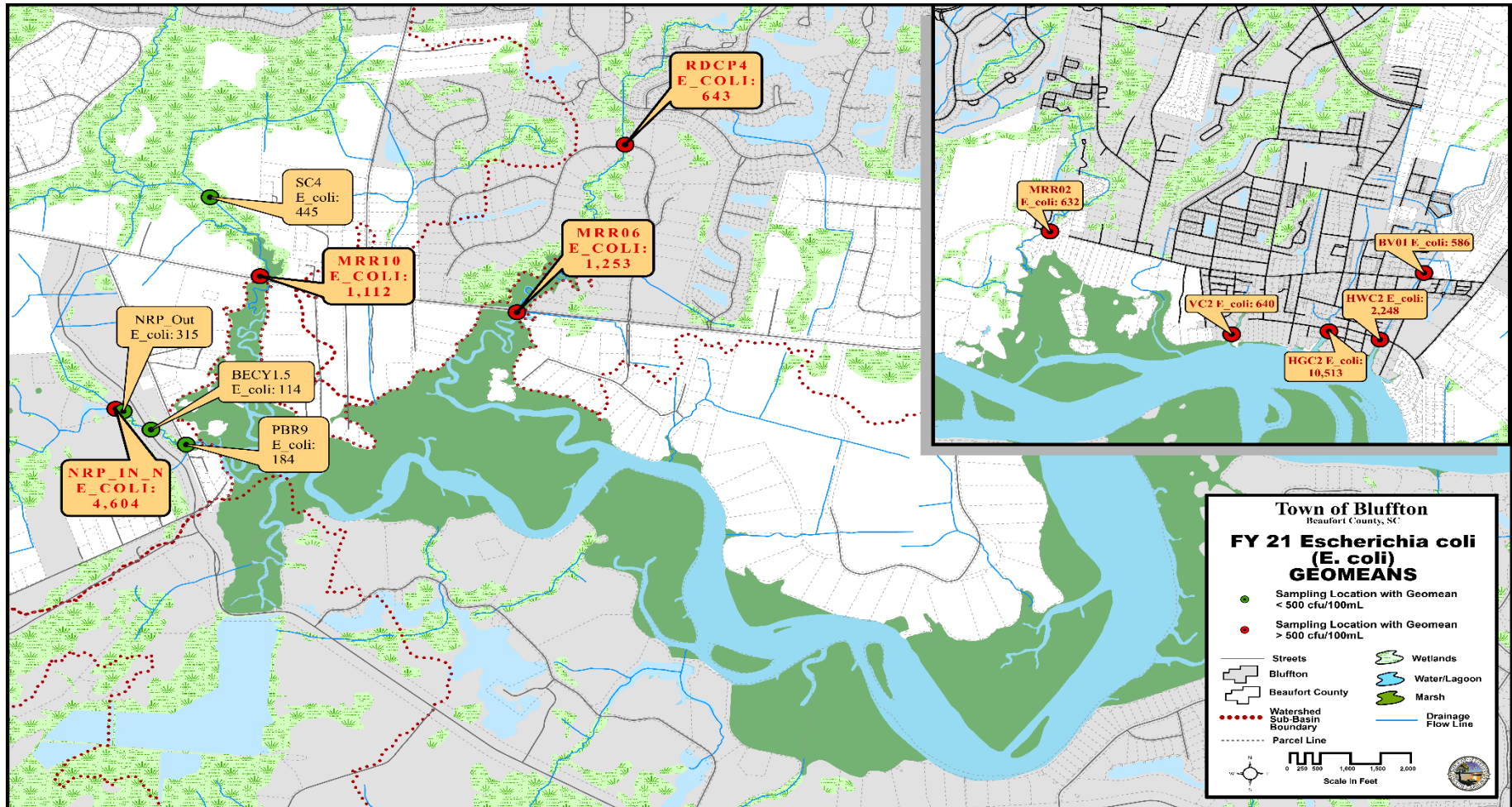
THIS MAP IS A REPRESENTATION OF THE DATA AS OF THE DATE SHOWN. THE TOWN OF BLUFFTON IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE TOWN OF BLUFFTON IS NOT RESPONSIBLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS MAP. THE TOWN OF BLUFFTON IS NOT RESPONSIBLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS MAP.



Updated Date: 12/21/2020

Stormwater Infrastructure Inventory Collection Status	
FY 2021 YTD Collection Totals	754
FY 2020 Collection Totals	4,878
FY 2019 Collection Totals	2,925
FY 2018 Collection Totals	3,777

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



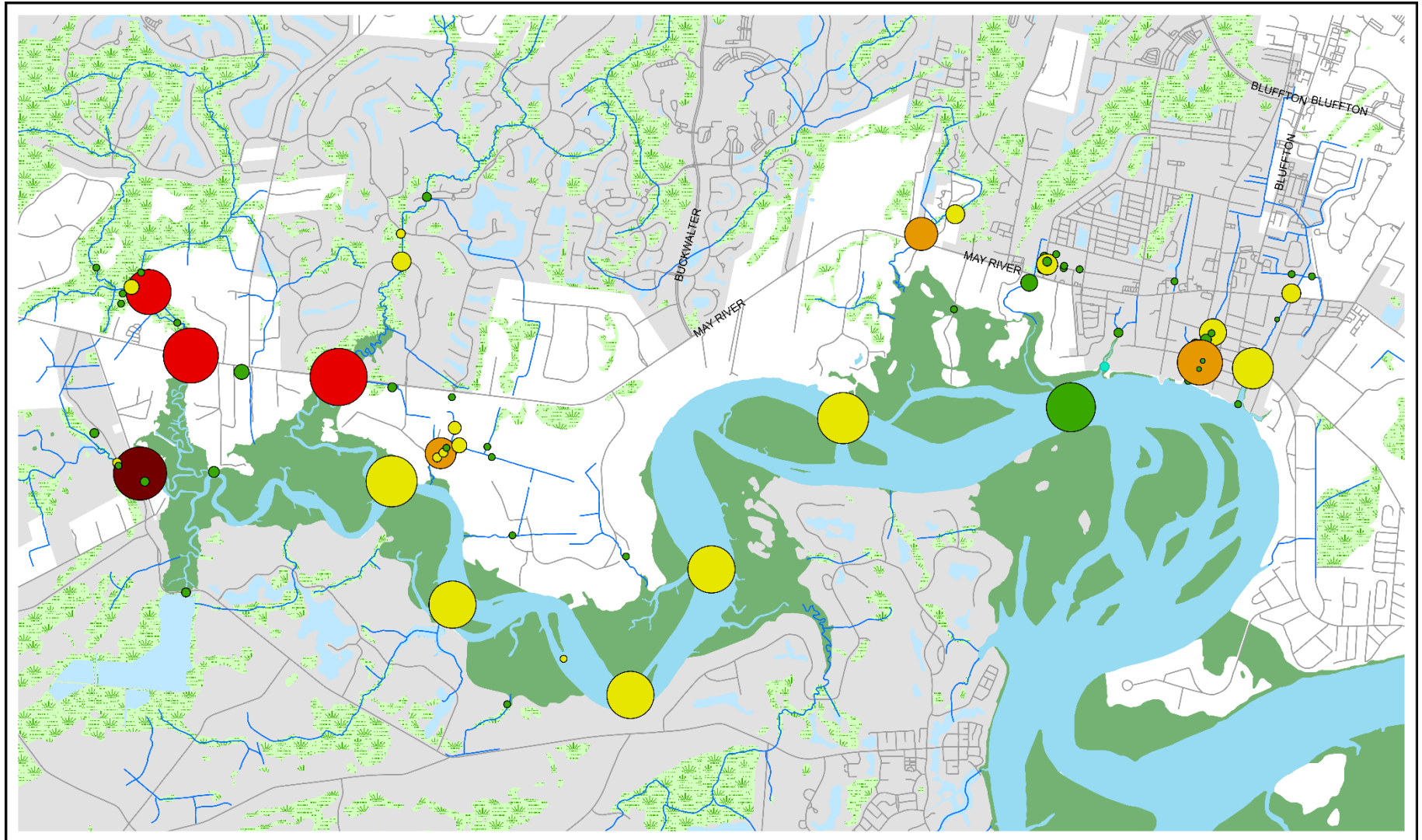
E. coli geomeans updated as of: 12/21/2020

	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2021 YTD Totals	211	48	54
FY 2020 Totals	223	115	123
FY 2019 Totals	280	193	264
FY 2018 Totals	216	217	224

12/21/2020






- MST program began November 2016; MS4 Quarterly Sampling initiated 2/2017
- 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 – Human Source



 Town Jurisdiction
 Beaufort County
 Drainage Flow Lines

Positive Hits

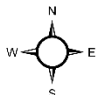
 0
  1-3
  3-6
  6-9
  >10

Times Sampled

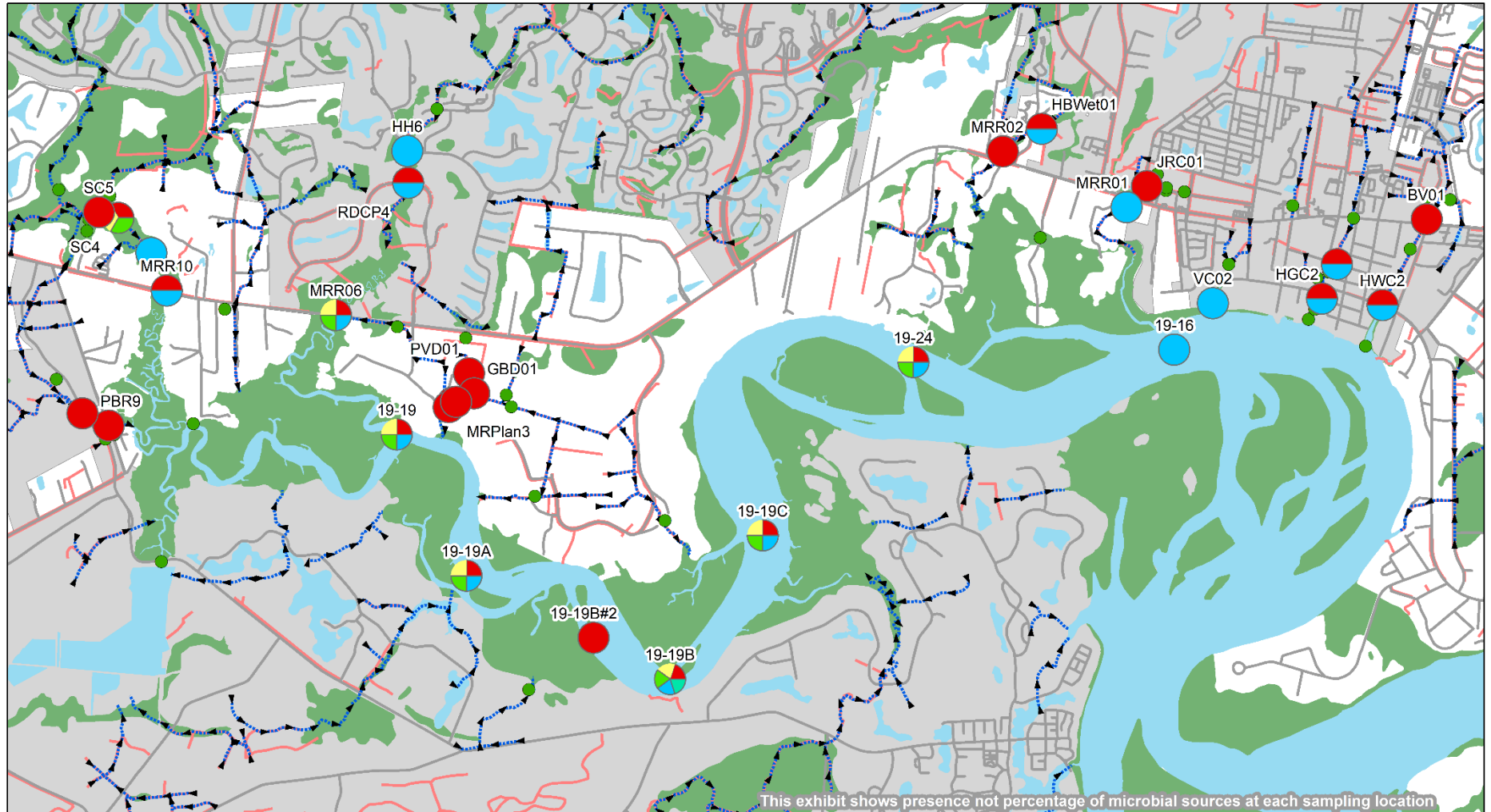
 1 - 3
  4 - 6
  7 - 10
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






Size of dot correlates to # of times the site has been sampled.

Updated Date: 11/17/2020



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



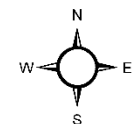
-  Microbial Sources
-  Human
-  Bird
-  Deer
-  Dog
-  Horse
-  MST Sampling Location Without Detection
-  Flowline
-  Drainage Ditch
-  Street
-  Town Jurisdiction

Microbial Sources Detected Within the May River 2017 - 2021

Town of Bluffton
Beaufort County, SC

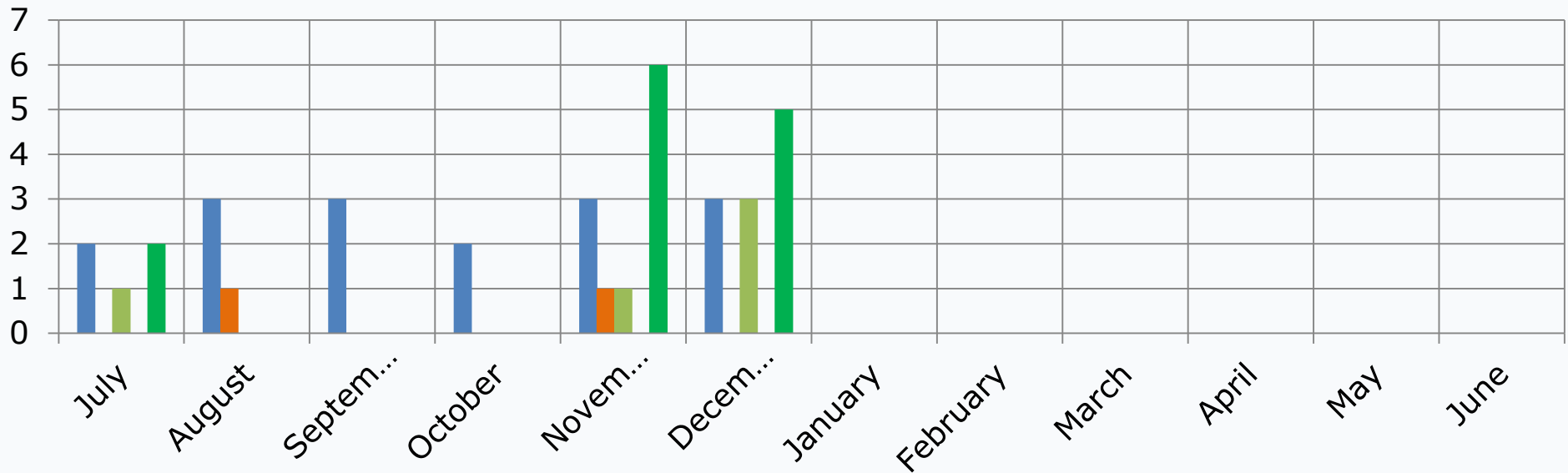
Date: 11/17/2020

DISCLAIMER:
This map was created for the Town of Bluffton. The Town of Bluffton and its employees are not responsible for the accuracy of the data presented on this map. The Town of Bluffton and its employees are not responsible for the accuracy of the data presented on this map. The Town of Bluffton and its employees are not responsible for the accuracy of the data presented on this map. The Town of Bluffton and its employees are not responsible for the accuracy of the data presented on this map.



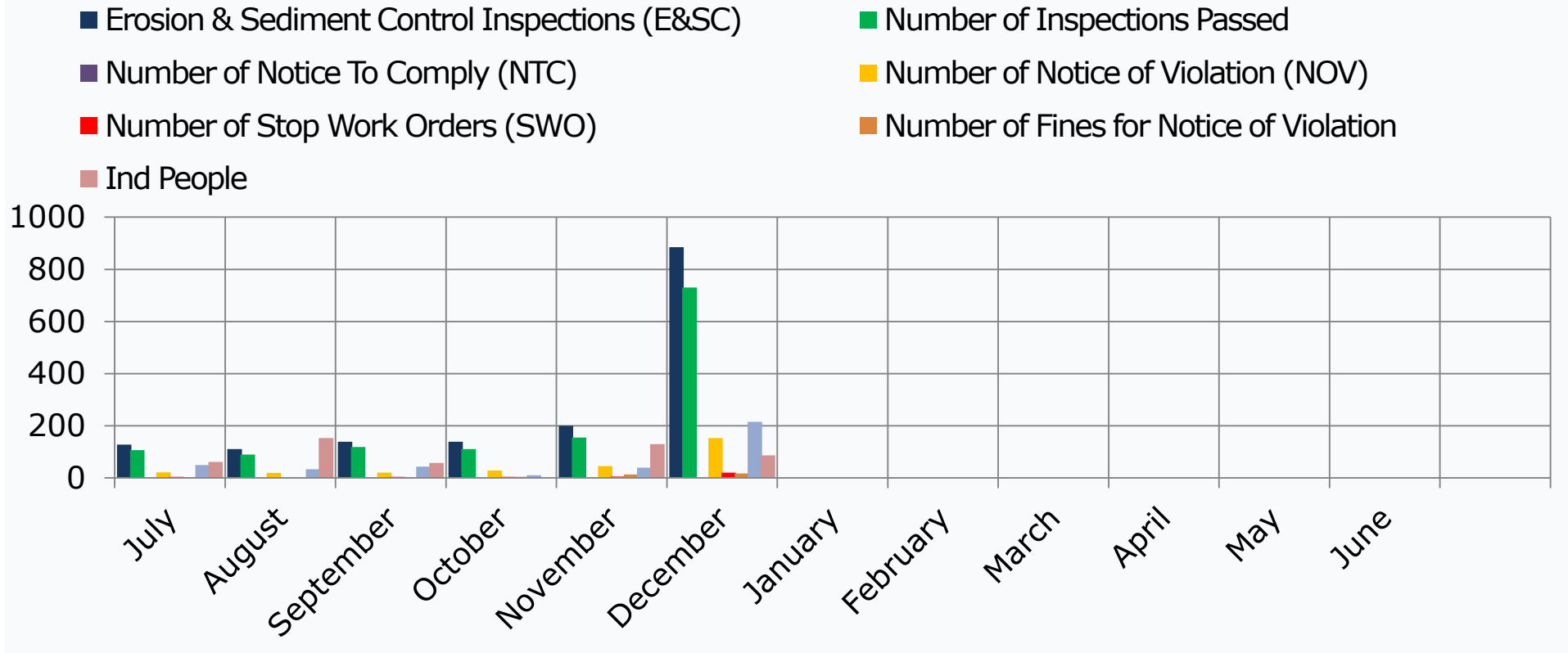
MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations

- Number of Illicit Discharge Investigations
- Number of Notice To Comply
- Number of Notice of Violation
- Number of NOV Enforcement Actions
- Number of Meetings



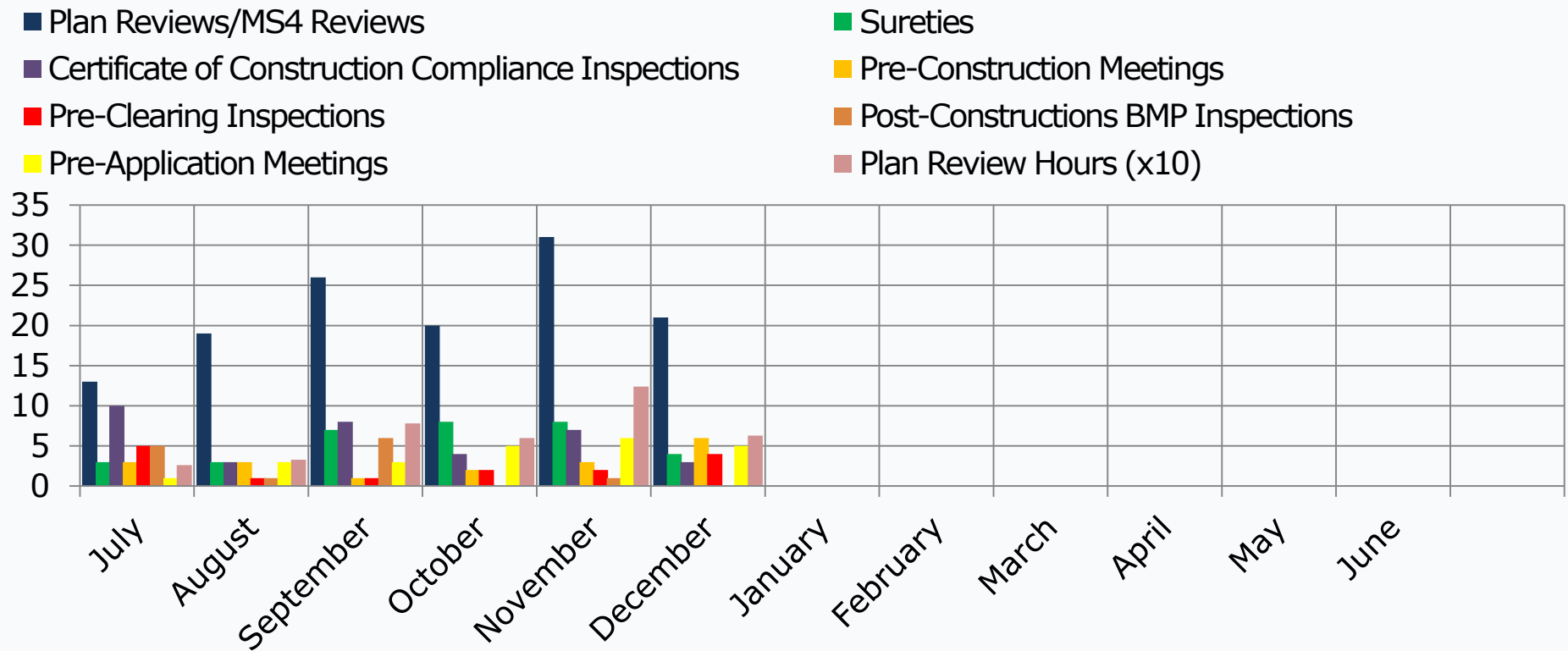
	Number of Illicit Discharge Investigations	Number of Notices To Comply Issued	Number of Notices of Violation Issued	Number of NOV Enforcement Actions	Number of Meetings
FY 2021 YTD Totals	16	8	1	0	13
FY 2020 Totals	45	10	8	6	49
FY 2019 Totals	38	20	3	1	61
FY 2018 Totals	48	20	4	2	60

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



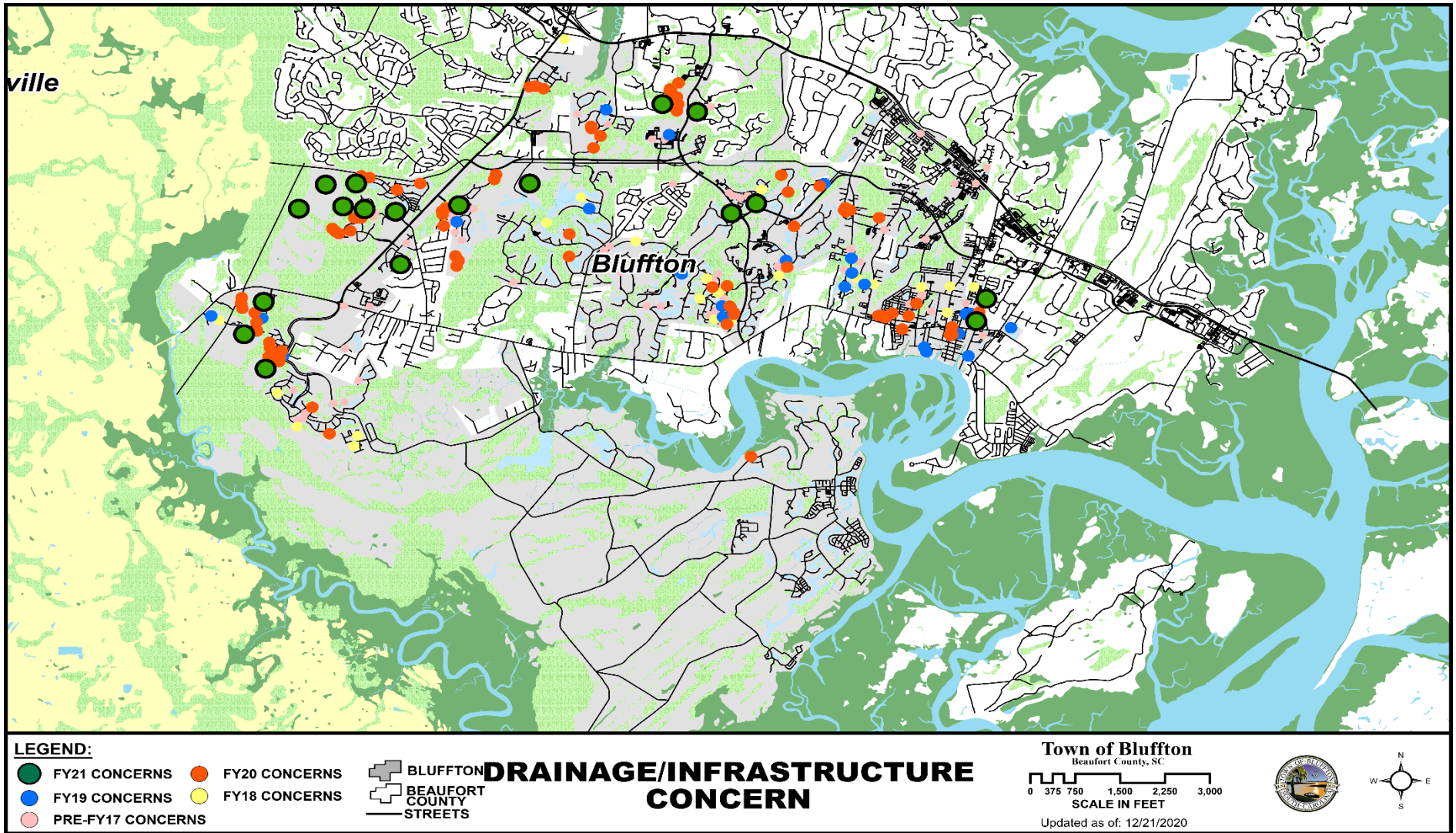
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NTC Issued	Number of NOVs Issued	Number of SWO Issued	Number of NOV Enforcement Actions	Number of E&SC Meetings
FY 2021 YTD Totals	885	730	N/A	153	20	17	215
FY 2020 Totals	1,517	1187	128	185	16	9	496
FY 2019 Totals	1,688	1,384	254	72	N/A	7	403

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



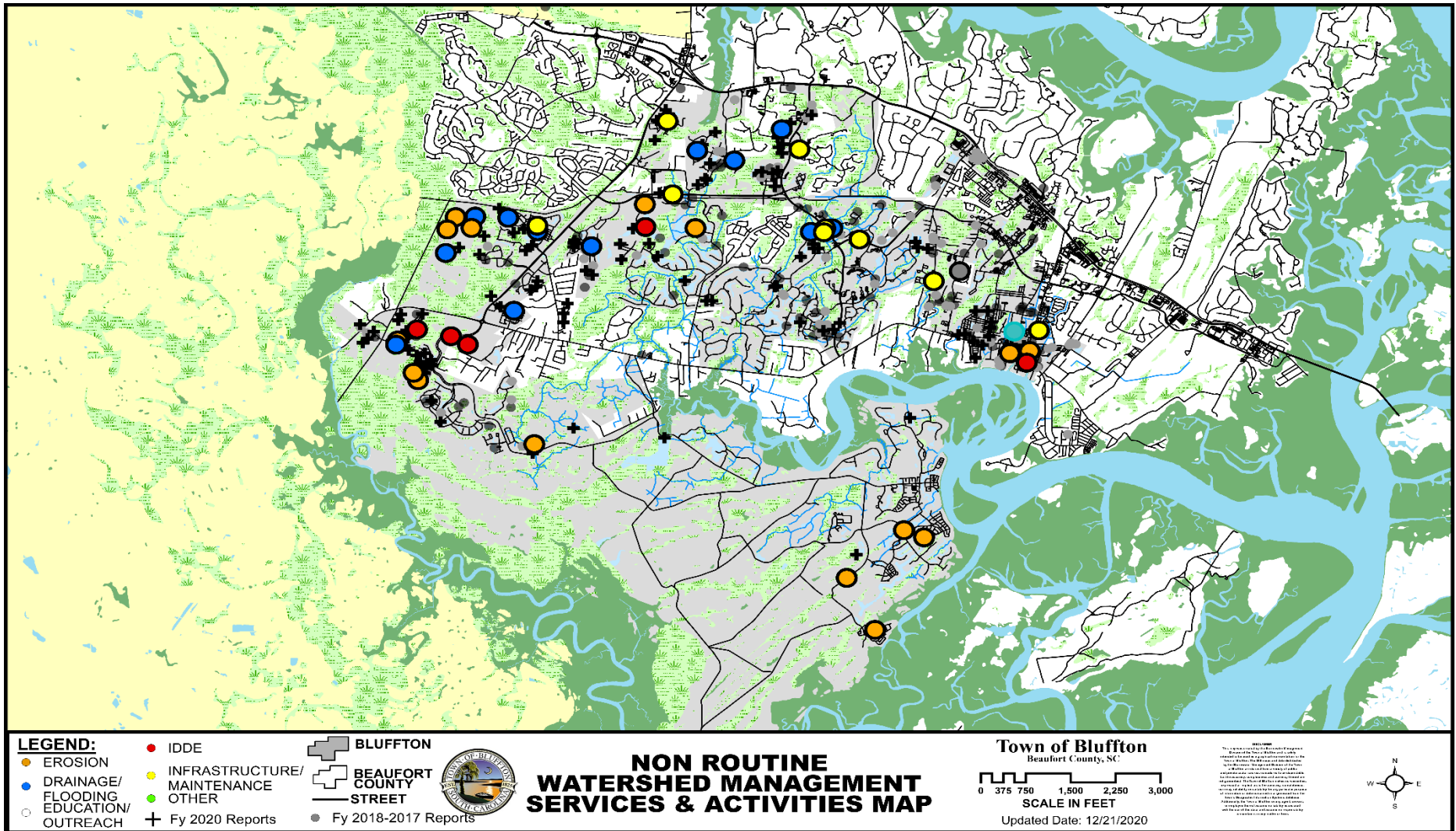
	Plan Reviews MS4 Reviews	Sureties	Certificate of Construction Compliance Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2021 YTD Totals	109	29	32	12	11	13	18	321 Hrs.
FY 2020 Totals	176	53	46	36	17	8	36	789 Hrs.
FY 2019 Totals	208	52	53	47	37	27	63	1,040 Hrs.

Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2021 YTD Totals	18	25
FY 2020 Totals	68	76
FY 2019 Totals	54	59

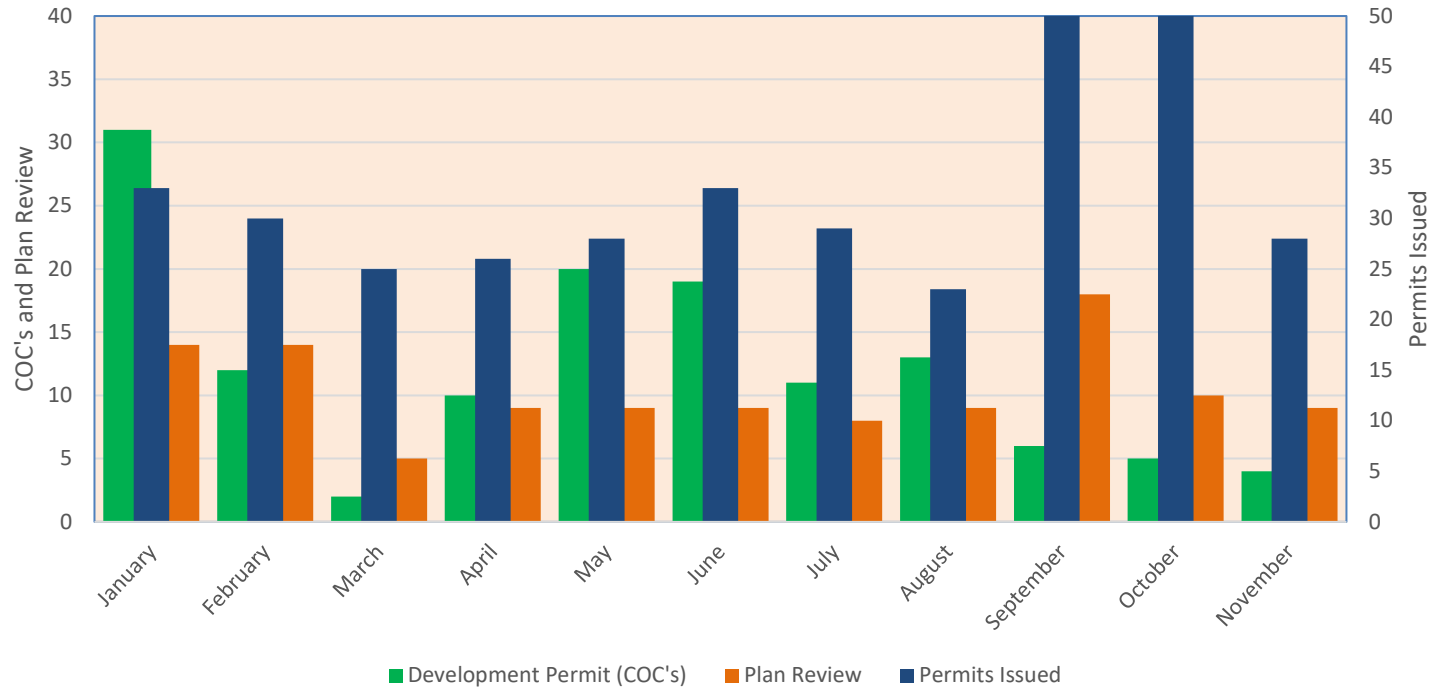
Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2021 YTD Totals	23	27
FY 2020 Totals	99	102
FY 2019 Totals	75	79

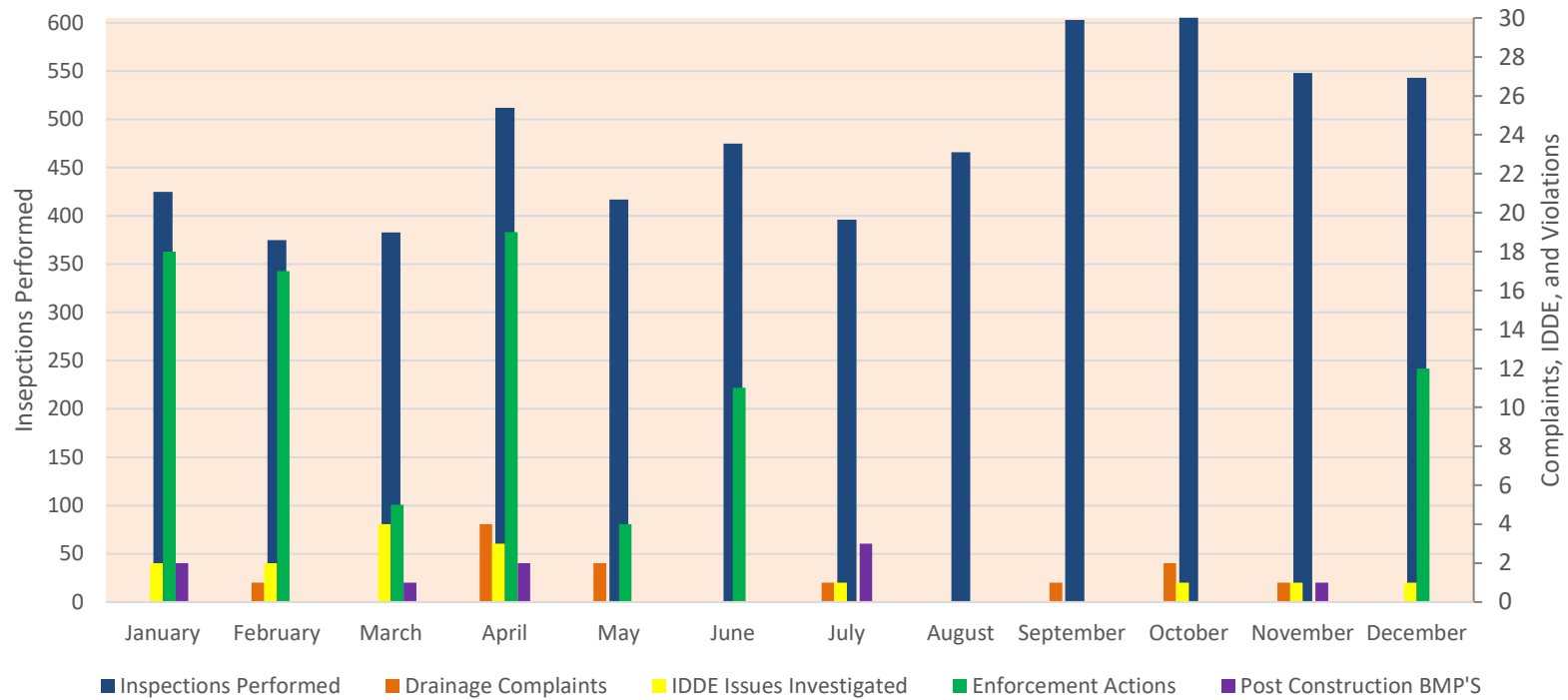
Week	# of Activities	Labor Cost	Equipment Cost	Other Cost	Total
FY21WK1	61	\$4,397.00	\$3,188.00		\$7,584.00
FY21WK2	56	\$5,474.00	\$3,574.00	\$121.00	\$9,168.00
FY21WK3	48	\$4,880.00	\$3,502.00		\$8,382.00
FY21WK4	62	\$5,828.00	\$3,970.00		\$9,799.00
FY21WK5	45	\$4,706.00	\$3,575.00		\$8,281.00
FY21WK6	54	\$5,645.00	\$3,114.00		\$9,126.00
FY21WK7	60	\$4,855.00	\$4,232.00		\$9,087.00
FY21WK8	67	\$5,118.00	\$4,221.00		\$9,339.00
FY21WK9	50	\$5,784.00	\$3,923.00		\$9,707.00
FY21WK10	54	\$6,131.00	\$4,248.00	\$21.00	\$10,400.00
FY21WK11	41	\$4,677.00	\$2,740.00		\$7,417.00
FY21WK12	70	\$5,580.00	\$2,587.00	\$326.00	\$8,494.00
FY21WK13	94	\$5,864.00	\$5,084.00		\$10,949.00
FY21WK14	49	\$6,171.00	\$4,261.00		\$10,431.00
FY21WK15	53	\$5,870.00	\$4,059.00		\$9,929.00
FY21WK16	62	\$5,239.00	\$3,531.00		\$8,771.00
FY21WK17	77	\$4,660.00	\$3,769.00	\$364.00	\$8,792.00
FY21WK18	45	\$4,679.00	\$3,417.00		\$8,096.00
FY21WK19	62	\$6,186.00	\$7,048.00		\$13,234.00
FY21WK20	41	\$4,135.00	\$2,633.00		\$6,768.00
FY21WK21	51	\$5,446.00	\$3,073.00		\$8,519.00
FY21WK22	39	\$3,229.00	\$3,599.00		\$6,828.00
FY21WK23	51	\$5,072.00	\$3,014.00		\$8,085.00
FY21WK24	76	\$6,073.00	\$5,257.00		\$11,329.00
FY21WK25					
FY21WK26					
FY21WK27					
FY21WK28					
FY21WK29					
FY21WK30					
FY21WK31					
FY21WK32					
FY21WK33					
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FY21WK42					
FY21WK43					
FY21WK44					
FY21WK45					
FY21WK46					
FY21WK47					
FY21WK48					
FY21WK49					
FY21WK50					
FY21WK51					
FY21WK52					
Total	1368	\$125,699.00	\$91,619.00	\$832.00	\$218,515.00

MS4 Minimum Control Measure #5 Stormwater Plan Review



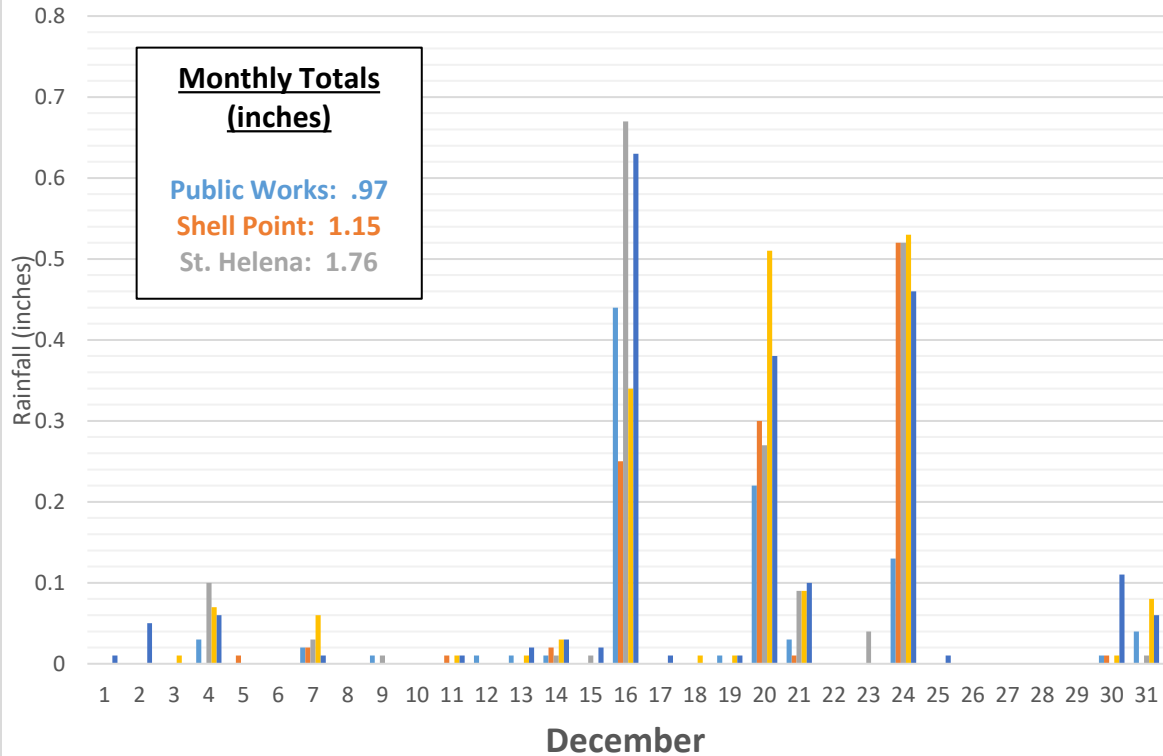
TYPE	January	February	March	April	May	June	July	August	September	October	November	December	Last 12 Months
Development Permit (COC's)	31	12	2	10	20	19	11	13	6	5	4	25	158
Plan Review	14	14	5	9	9	9	8	9	18	10	9	13	127
Permits Issued	33	30	25	26	28	33	29	23	51	53	28	45	404

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	January	February	March	April	May	June	July	August	September	October	November	December	Last 12 Months
Inspections Performed	425	375	383	512	417	475	396	466	603	615	548	543	5758
Drainage Complaints	0	1	0	4	2	0	1	0	1	2	1	0	12
IDDE Issues Investigated	2	2	4	3	0	0	1	0	0	1	1	1	11
Enforcement Actions	18	17	5	19	4	11	0	0	0	0	0	12	86
Post Construction BMP'S	2	-	1	2	-	-	3	-	-	-	1	0	9

Beaufort County Weather Stations Daily Rainfall Amounts - December 2020



Lowcountry Stormwater Partners (LSP) Monthly Report
12/9/20 – 1/5/21

Completed Stormwater Outreach/Involvement Activities:

- 2020 Carolina Clear Mass Media Campaign: "Can it, Cool it, Trash it"
 - The "Can it, Cool it, Trash it!" FOG Statewide Mass-Media Campaign launched two billboards in Beaufort County. One is on 17 and the other is State Road 170 in Okatie. The accompanying commercial was filmed a few weeks ago and filmed will air before the end 2020. The commercials aired during the holidays.
- LSP Changing Tides Newsletter
 - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
 - 12/16/20, online, 137, [Find a copy here](#)
- Healthy Pond Series
 - The Healthy Pond Series is a community-based discussion series for pond owners to learn and share stormwater pond management solutions. In this session, Carolina Clear Program Coordinator Kim Counts Morganello shared best landscape practices to prevent pollution and reduce flooding, including how she retrofitted her own yard. We discussed using native plants and other techniques to manage stormwater before it reaches participants' ponds, putting them in the perfect position to plan ahead for spring landscaping projects for their yards or community spaces.
 - 12/3/20, online, 27
- 4-H20 Ambassador Project Book
 - The LSP partnered with Beaufort County 4-H to create a 4-H project record book based upon 4-H curriculum. The record book will be used by 4-H participants across the Lowcountry and participation could qualify them for awards.
- Septic System Website
 - The website is live and can be found at <https://wwwdev.clemson.edu/extension/water/be-septic-safe.html>

Ongoing Stormwater Outreach/Involvement Activities:

- LSP Website Overhaul
 - The website is nearly done. All content has been delivered and reviewed. All that is left is
- Mossy Oaks Rain Garden Workshop
 - I will schedule a rain garden workshop to install the BMP in the spring once the school district approves the plan.
- Septic System Resources
 - The septic system website written content has finished the review process and the website is under construction. It should be complete by the end of the month.
- Pet Waste Outreach Plan
 - This plan involves the creation of PSAs, a pledge, and bag giveaways. I will package the PSAs, pledge materials, and bags together. These packages will be used at in-person events and dropped off at participating pet stores, shelters, and veterinary offices. I will use the pledge cards to collect email addresses and invite participants to join our listservs.
 - The following items should be ready to print:
 - Business-card sized pledge cards

- A pledge sign-up sheet
 - A poster with the pledge and a link to sign-up online. These can double as additional pet waste station signage as well as part of a display.
 - An online pledge sign-up form
 - A pledge card file that can be customized and sent to people who pledge through the online sign-up form.
- Creation of an HOA Direct Mailing List
 - I began creating a list of mailing addresses for existing HOAs/PUDs to send pond training announcements and an invitation to join the Big News for Small Ponds listserv.
- Direct Contacts
 - During this time frame, I helped five (5) individuals who directly contacted me. Two were located in Hardeeville and were experiencing a fish kill. One client needed help with plant selection for a brackish pond shoreline, one client needed help finding available pond management resources, and the final client had a question on marsh dieback.
 - 5, emails
- LSP Facebook page
 - The LSP Facebook page serves to engage and involve citizens in water-quantity and water-quality information. I also use the Facebook page to announce local, regional, and state-wide events.
 - 303 Likes, 1257 People Reached with 27 posts made between 12/9/20 and 1/5/21

Planned Stormwater Outreach/Involvement Activities:

- LSP Changing Tides Newsletter
 - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
 - 1/14/20, online
- Big News for Small Ponds
 - The "Big News for Small Ponds" mailing list is intended for both pond managers and owners in Beaufort, Jasper, Colleton, and Hampton Counties. By signing up for the mailing list, participants will receive emails or direct mailers about local, pond-related trainings, events, and certification opportunities.
 - 1/31/20, online
- Rain Garden webinar for the Lady's Island Garden Club
 - 2/4/21, online
- Protecting Beaufort County Waterways webinar for the Women's Group on Hilton Head Plantation
 - 2/9/21, online
- LSP Consortium Meeting
 - 2/16/21, online

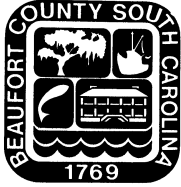
Other Activities for Strategic Plan Compliance:

- Pet Waste Station Map
- Small grants program
- Septic system factsheet
- Septic system brochure
- Septic system "Welcome to the Neighborhood Packet"
- Septic media campaign
- Septic workshop

- 2021 Beaufort Area Stormwater Pond Conference
- Soil sample post cards and placards for retailers
- Soil sample drive
- Soil sample bag distribution
- Pond Workshop
- Being a Neighbor for Clean Water Webinar Series
- Healthy Pond Series
- Buffer workshop
- Promotional seed packet
- Native plant distributor list
- Native plant signage
- Construction Site Social Media Campaign
- Contractor trainings
- LID trainings
- LID Lunch-and-Learns
- BMP workshop for homeowners
- Rain barrel sale
- BMP survey

Completed Strategic Plan Items:

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



MEMORANDUM

Date: January 5, 2021

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover two major project and five minor projects. The Project Summary Reports are attached.

Major Project:

- **Halifax Drive and Barefoot Farm Channel – St. Helena Island (SWUD 8):** This project improved 4,514 feet of drainage system. The scope of work included grubbing and clearing 1,977 feet of workshelf, constructing 187 feet of channel, reconstructing 1,977 feet of channel, cleaning out 2,350 feet of channel, installing 6 bleeder pipes, 2 access pipes, 3 access gates and hydroseeding for erosion control. The total cost was **\$73,078.52**.
- **Hunting Island State Park – St. Helena Island (SWUD 8):** This project improved 7,850 feet of drainage system. The scope of work included grubbing and clearing the perimeter of the beach front and bush hogging 7,850 feet of roadside. The total cost was **\$24,806.68**.

Minor or Routine Projects:

- **Pine Grove Road Channel – Port Royal Island (SWUD 6):** This project improved 1,163 feet of drainage system. The scope of work included dismantling trees and clearing ditch bank, grubbing and clearing 350 feet of workshelf, cleaning out 813 feet of channel, installing 1 access pipe and rip rap and hand seeding for erosion control. The total cost was **\$11,117.03**.
- **Chisholm Road – St. Helena Island (SWUD 8):** This project improved 498 feet of drainage system. The scope of work included cleaning out 7 catch basins, 356 feet of roadside ditch, jetting 4 crossline pipes, 3 driveway pipes and 142 feet of roadside pipe. The total cost was **\$4,363.16**.
- **Orange Grove Road Channel #2 – St. Helena Island (SWUD 8):** The scope of work included cleaning out 318 feet of channel and hydroseeding for erosion control. The total cost was **\$2,776.99**.
- **Eustis Landing Road – Lady's Island (SWUD 7):** The scope of work included cleaning out 430 feet of roadside ditch. The total cost was **\$1,858.80**.

- **Lady's Island Valley Drains – Lady's Island (SWUD 7):** This project improved 200 feet of drainage system. The scope of work included cleaning out 200 feet of valley drains and installing #57 stone for erosion control. The total cost was **\$1,102.74.**



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Halifax Drive and Barefoot Farm Channel

Activity: Drainage Improvement

Duration: 03/20/19-05/27/20

Narrative Description of Project:

Project improved 4,514 L.F. of drainage system. Grubbed and cleared 1,977 L.F. of workshelf. Constructed 187 L.F. of channel and reconstructed 1,977 L.F. of channel. Cleaned out 2,350 L.F. of channel. Installed (6) bleeder pipes, (2) access pipes and (3) access gates. Hydroseeded for erosion control.

2019-557 / HALIFAX DRIVE	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AGI / Access Gate - Installed	45.00	\$940.25	\$116.70	\$478.97	\$0.00	\$255.25	\$1,791.17
APINS / Access pipe - installed	30.00	\$619.80	\$381.92	\$46.00	\$0.00	\$386.70	\$1,434.42
AUDIT / Audit Project	2.50	\$54.48	\$0.00	\$0.00	\$0.00	\$0.00	\$54.48
BPINST / Bleeder pipe - Installed	30.00	\$619.80	\$377.88	\$293.60	\$0.00	\$386.70	\$1,677.98
CBH / Channel- bushhogged	32.00	\$672.92	\$312.03	\$48.70	\$0.00	\$304.38	\$1,338.03
CCO / Channel - cleaned out	192.00	\$4,402.30	\$2,085.28	\$295.70	\$0.00	\$2,399.76	\$9,183.04
DEBREM / Debris Removal - Jobsite	120.00	\$2,536.09	\$1,582.85	\$183.40	\$0.00	\$1,436.60	\$5,738.94
HAUL / Hauling	417.00	\$9,582.87	\$6,030.20	\$2,881.35	\$0.00	\$2,779.23	\$21,273.65
HYDR / Hydroseeding	40.00	\$822.18	\$133.40	\$717.48	\$0.00	\$257.46	\$1,930.52
LM / Loading Materials	15.00	\$309.90	\$133.54	\$41.60	\$0.00	\$193.35	\$678.39
SG / Shoot Grade	40.00	\$963.59	\$76.80	\$20.90	\$0.00	\$553.00	\$1,614.29
SPSWI / Special Project - SWI	14.00	\$320.39	\$27.23	\$17.60	\$0.00	\$207.90	\$573.12
STAGING / Staging Materials/Equipment	62	\$1,494.74	\$144.88	\$37.00	\$0.00	\$548.10	\$2,224.72
WCON / Workshelf - Constructed	30	\$619.80	\$137.74	\$80.50	\$0.00	\$386.70	\$1,224.74
WSDR / Workshelf - Dressed	30	\$619.80	\$378.61	\$74.00	\$0.00	\$386.70	\$1,459.11
WSGRB / Workshelf - Grubbed	370	\$8,359.25	\$4,546.47	\$765.50	\$0.00	\$3,553.70	\$17,224.92
WSL / Workshelf - Level	80	\$1,778.29	\$863.93	\$75.10	\$0.00	\$939.70	\$3,657.02
2019-557 / HALIFAX DRIVE Project Sub Total	1549.5	\$34,716.44	\$17,329.46	\$6,057.40	\$0.00	\$14,975.23	\$73,078.52
Grand Total	1549.5	\$34,716.44	\$17,329.46	\$6,057.40	\$0.00	\$14,975.23	\$73,078.52

Before



During



Ending





Project: Halifax Drive and Barefoot Farm Channel Map #1

Activity: Drainage Improvement

Project #: 2019-557

Township/SW Dist: St. Helena Island/8

Completed: May 2020

Legend

Drainage Type

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

0 100 200 400 600 800 Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/1/20

File: C:\project summaries map\Halifax Drive and Barefoot Farm Channel Map #1_2019-557



Project: Halifax Drive and Barefoot Farm Channel Map #2

Activity: Drainage Improvement

Project #: 2019-557

Township/SW Dist: St. Helena Island/8

Completed: May 2020

Legend

Drainage Type

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

0 100 200 400 600 800 Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/1/20

File: C:\project summaries map\Halifax Drive and Barefoot Farm Channel Map #2_2019-557



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Hunting Island State Park

Activity: Routine/Preventive Maintenance

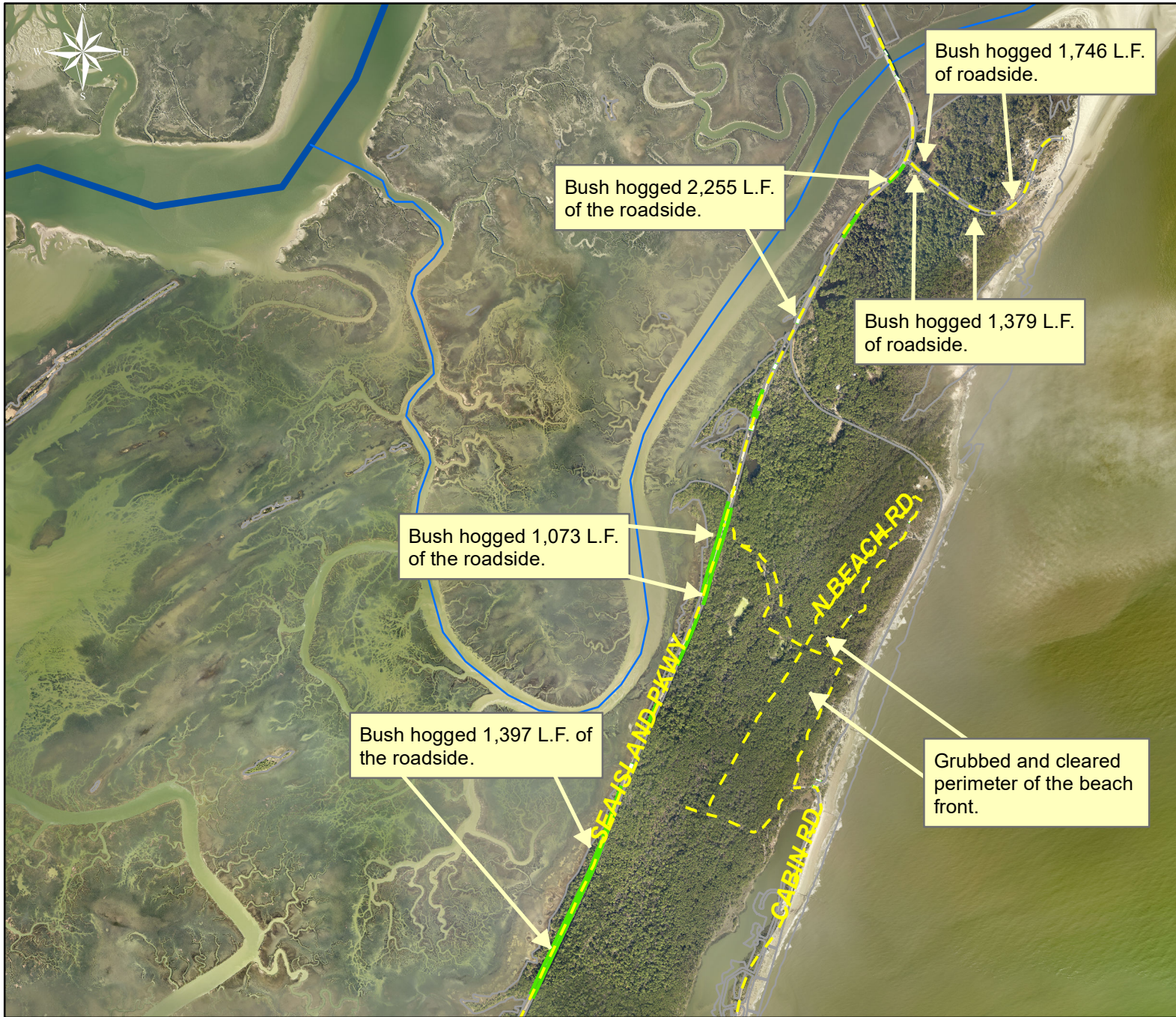
Duration: 08/10/20-08/31/20

Narrative Description of Project:

Project improved 7,850 L.F. of drainage system. Grubbed and cleared the perimeter of the beach front. and bush hogged 7,850 L.F. of the roadside.

2021-505 / Hunting Island State Park	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$21.79	\$0.00	\$0.00	\$0.00	\$0.00	\$21.79
BUSH / Bush Hogged	112.0	\$2,476.08	\$1,097.40	\$139.08	\$0.00	\$1,588.32	\$5,300.88
GACA / Grubbed and Cleared	248.0	\$5,116.00	\$2,922.57	\$638.59	\$0.00	\$2,995.92	\$11,673.08
HAUL / Hauling	145.0	\$3,144.34	\$1,185.65	\$283.67	\$0.00	\$1,462.97	\$6,076.63
LW / Level Worksite	24.0	\$495.84	\$254.92	\$53.86	\$0.00	\$309.36	\$1,113.98
STBY / Stand By	16.0	\$356.56	\$34.32	\$0.00	\$0.00	\$229.44	\$620.32
2021-505 / Hunting Island State Park Project Sub Total	546.0	\$11,610.61	\$5,494.86	\$1,115.20	\$0.00	\$6,586.01	\$24,806.68
Grand Total	546.0	\$11,610.61	\$5,494.86	\$1,115.20	\$0.00	\$6,586.01	\$24,806.68

(No Picture Available)



Project: Hunting Island State Park

Activity: Routine/ Preventive Maintenance



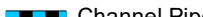








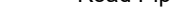
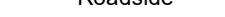
Project #: 2021-505

Township/SW Dist: St. Helena Island/8

Completed: August 2020

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 = 2,000 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/15/20

File: C:\project summaries map\Hunting Island State Park_2021-505



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Pine Grove Road Channel

Activity: Drainage Improvement

Duration: 10/02/2020-10/19/2020

Narrative Description of Project:

Project improved 1,163 L.F. of drainage system. Dismantle trees and cleared ditch bank. Grubbed and cleared 350 L.F. of workshelf. Cleaned out 813 L.F. of channel. Installed (1) access pipe and rip rap. Hand seeded for erosion control.

2020-023A / Pine Grove Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
APINS / Access pipe - installed	32.0	\$721.36	\$175.99	\$376.58	\$0.00	\$203.52	\$1477.45
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
CCO / Channel - cleaned out	52.0	\$1,144.44	\$167.37	\$24.27	\$0.00	\$305.28	\$1,641.36
DEBREM / Debris Removal - Jobsite	8.0	\$183.92	\$113.28	\$101.75	\$0.00	\$0.00	\$398.95
HAUL / Hauling	28.0	\$561.96	\$416.08	\$1,108.22	\$0.00	\$0.00	\$2,086.26
NONPRO / Non-Professional Services	0.0	\$0.00	\$0.00	\$0.00	\$2,000.00	\$0.00	\$2,000.00
RRI / Rip Rap - Installed	16.0	\$333.60	\$76.72	\$459.36	\$0.00	\$101.76	\$971.44
WSDR / Workshelf - Dressed	20.0	\$439.56	\$34.32	\$13.04	\$0.00	\$105.84	\$592.76
WSGRB / Workshelf - Grubbed	48.0	\$1,022.56	\$429.75	\$56.78	\$0.00	\$407.04	\$1,916.13
2020-023A / Pine Grove Road Project Sub Total	205.5	\$4,440.09	\$1,413.51	\$2,140.00	\$2,000.00	\$1,123.44	\$11,117.03
Grand Total	205.5	\$4,440.09	\$1,413.51	\$2,140.00	\$2,000.00	\$1,123.44	\$11,117.03

(Before)



(During)



(Ending)





Project: Pine Grove Road Channel

Activity: Drainage Improvement














Project #: 2020-023A

Township/SW Dist: Port Royal Island/6

Completed: October 2020

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: 12/15/20

File: C:\project summaries map\Pine Grove Road Channel_2020-023A



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Chisholm Road

Activity: Routine/Preventive Maintenance

Duration: 11/16/2020-11/24/2020

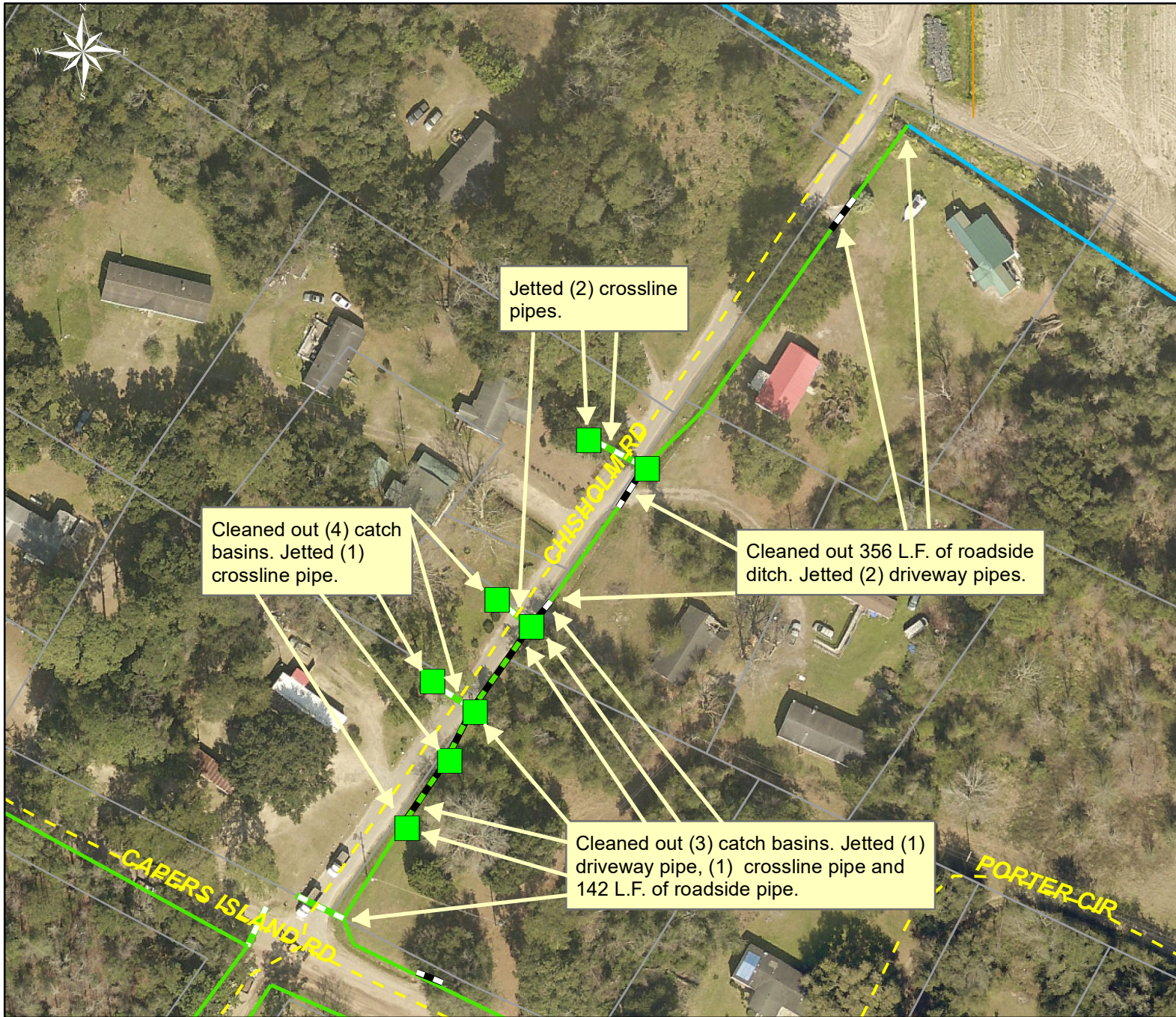
Narrative Description of Project:

Project improved 498 L.F. of drainage system. Cleaned out (7) catch basins and 356 L.F. of roadside ditch. Jetted (4) crossline pipes, (3) driveway pipes and 142 L.F. of roadside pipe.

2021-513 / Chisholm Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
CBCO / Catch basin - clean out	32.0	\$707.04	\$613.12	\$115.90	\$0.00	\$263.52	\$1,699.58
CLPJT / Crossline Pipe - Jetted	16.0	\$366.00	\$306.56	\$70.20	\$0.00	\$0.00	\$742.76
DPJT / Driveway Pipe - Jetted	8.0	\$176.76	\$153.28	\$22.60	\$0.00	\$65.88	\$418.52
HAUL / Hauling	8.0	\$178.16	\$152.48	\$25.60	\$0.00	\$115.36	\$471.60
RSDCL / Roadside Ditch - Cleanout	32.0	\$657.60	\$99.21	\$18.72	\$0.00	\$203.52	\$979.05
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
2021-513 / Chisholm Road Project Sub Total	98.0	\$2,130.60	\$1,324.65	\$253.02	\$0.00	\$654.90	\$4,363.16
Grand Total	98.0	\$2,130.60	\$1,324.65	\$253.02	\$0.00	\$654.90	\$4,363.16

(No Picture Available)



Project: Chisholm Road

Activity: Routine/
Preventive
Maintenance














Project #:
2021-513

Township/SW Dist:
St. Helena Island/8

Completed:
November 2020

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 25 50 100 150 200
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/25/20

File: C:\project summaries map\Chisholm Road_2021-513



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Orange Grove Road Channel #2

Activity: Routine/Preventive Maintenance

Duration: 11/19/20-11/20/20

Narrative Description of Project:

Project improved 318 L.F. of drainage system. Cleaned out 318 L.F. of channel. Hydroseeded for erosion control.

2021-514 / Orange Grove Road Channel #2	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$21.79	\$0.00	\$0.00	\$0.00	\$0.00	\$21.79
CCO / Channel - cleaned out	24.0	\$492.88	\$135.12	\$62.40	\$0.00	\$211.68	\$902.08
HAUL / Hauling	8.0	\$210.08	\$152.48	\$20.80	\$0.00	\$0.00	\$383.36
HYDR / Hydroseeding	20.5	\$466.27	\$59.68	\$837.97	\$0.00	\$105.84	\$1,469.76
2021-514 / Orange Grove Road Channel #2 Project Sub	53.5	\$1,191.02	\$347.28	\$921.17	\$0.00	\$317.52	\$2,776.99
Grand Total	53.5	\$1,191.02	\$347.28	\$921.17	\$0.00	\$317.52	\$2,776.99

(No Pictures Available)



Project: Orange Grove Road Channel #2

Activity: Routine/ Preventive Maintenance

Project #: 2021-514

Township/SW Dist: St. Helena Island/8

Completed: November 2020

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: 12/15/20

File: C:\project summaries map\Orange Grove Road Channel #2_2021-514



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Eustis Landing Road

Activity: Routine/Preventive Maintenance

Duration: 09/08/20

Narrative Description of Project:

Project improved 430 L.F. of drainage system. Cleaned out 430 L.F. of roadside ditch.

2021-506 / Eustis Landing Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$21.79	\$0.00	\$0.00	\$0.00	\$0.00	\$21.79
HAUL / Hauling	16.0	\$362.08	\$240.72	\$24.15	\$0.00	\$115.36	\$742.31
RSDCL / Roadside Ditch - Cleanout	32.0	\$656.40	\$112.54	\$16.40	\$0.00	\$309.36	\$1,094.70
2021-506 / Eustis Landing Road Project Sub Total	49.0	\$1040.27	\$353.26	\$40.55	\$0.00	\$424.72	\$1,858.80
Grand Total	49.0	\$1,040.27	\$353.26	\$40.55	\$0.00	\$424.72	\$1,858.80

(Before)



(During)



(Ending)





Project: Eustis Landing Road














Activity: Routine/ Preventive Maintenance

Project #: 2021-506

Township/SW Dist: Lady's Island/7

Completed: September 2020

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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/15/20

File: C:\project summaries map\Eustis Landing Road_2021-506



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lady's Island Valley Drains - Varsity Street

Activity: Routine/Preventive Maintenance

Duration: 12/11/19-12/13/19

Narrative Description of Project:

Project improved 200 L.F. of drainage system. Cleaned 200 L.F. of valley drains and installed #57 stone for erosion control. This project consisted of the following area: Varsity Street (200 L.F.)

2020-313 / Lady's Island Valley Drains

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$21.79	\$0.00	\$0.00	\$0.00	\$0.00	\$21.79
COVD / Cleaned Out Valley Drains	14.0	\$317.45	\$90.83	\$33.67	\$0.00	\$148.50	\$590.44
HAUL / Hauling	5.0	\$114.95	\$70.80	\$304.76	\$0.00	\$0.00	\$490.51
2020-313 / Lady's Island Valley Drains Project Sub Total	20.0	\$454.19	\$161.63	\$338.43	\$0.00	\$148.50	\$1,102.74
Grand Total	20.0	\$454.19	\$161.63	\$338.43	\$0.00	\$148.50	\$1,102.74

(No Pictures Available)



Project: Lady's Island Valley Drains - Varsity Street

Activity: Routine/ Preventive Maintenance














Project #: 2020-313

Township/SW Dist: Lady's Island/7

Completed: December 2019

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: 11/23/20

File: C:\project summaries map\Lady's Island Valley Drains - Varsity Street_2020-313



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

December 9th, 2020 at 2:00 p.m. via WebEx.

Board Members

Present

Allyn Schneider
James Clark
James Fargher
Marc Feinberg
Patrick Mitchell
William Bruggeman

Absent

Steven Andrews

Ex-Officio Members

Present

Kim Jones
Scott Liggett

Absent

Nate Farrow
Van Willis

Beaufort County Staff

Katie Herrera
Matthew Rausch
Carolyn Wallace

Visitors

Ellen Sturup Comeau, Clemson Extension
Jeff Netzinger, Town of Hilton Head
Alice Howard, County Council
Brian Durrance, Substitute for Mr. Farrow

1. Meeting called to order – William Bruggeman at 2:00 pm

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

2. Introductions – Completed.

3. Public Comment(s) – None.

4. Reports

Report attached in agenda

Highlights:

A. **Utility Update** – Katie Herrera

- ✓ Southern Lowcountry Regional Board (SoLoCo)
 - The current schedule for completion and finalization on the document and activities of Center for Watershed Protection (CWP) are completed.
 - Municipalities to work through individual implementation schedules

- ✓ If anyone has any suggestions for special presentation please let Katie know.

- ✓ Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30th, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year. Update provided stating financial reports do not have to be final, audited numbers, as the question arose during the SWIC meeting on November 16th.
 - Beaufort County – Not received.
 - ***Town of Hilton Head Island – Received.***
 - ***Town of Bluffton – Received.***
 - Town of Port Royal – Not received.
 - City of Beaufort – Not received

B. Monitoring Update – Katie Herrera
Report attached in agenda. Nothing additional

C. Stormwater Related Projects – Katie Herrera
Report attached in agenda

Highlights:

- ✓ Staff is working on easement requests and meets monthly to review status. A few condemnations are still being pursued using outside legal counsel.
- ✓ Shell Point Community Meeting —Cranston Engineering has finalized the field drainage inventory work and are now working on creating a model for the region
- ✓ Graves Property / Pepper Hall Public / private partnership – Engineer has submitted conceptual Stormwater Permit plans for roads and infrastructure on the Graves Property. Staff received the Stormwater Master Plan from Davis and Floyd on August 18th. Staff met with Davis and Floyd team to discuss and provided a formal response on September 18th. County staff met with Davis and Floyd staff member about how to move forward with Master Plan mid October. A revised, comprehensive, Stormwater Master Plan was provided to staff to review on November 19th, 2020. Conditional approval for development was issued on December 8th, 2020. Staff continues to work with Davis and Floyd, other departments, and property owner.

D. Professional Contracts Report – Katie Herrera
Report attached in agenda

Highlights:

- ✓ Salt Creek and Shanklin Road – 90% design for both projects. Still waiting for property owner interest. Salt Creek - Permit applications have been submitted for Beaufort County and SCDOT. Shanklin – working on submissions for USACE, MS4, and SCDOT permits.
- ✓ Brewer Memorial – DOT, DHEC, OCRM permits obtained. Ward Edwards has submitted for final staff approval. Staff working with Clemson Extension regarding educational opportunities.
- ✓ RFQ for Stormwater engineering consulting services was awarded on September 28th, 2020. Staff met with Consultant on October 13th to discuss program goals. Consultant has put together two scopes of work, one includes organizing trainings for SoLoCo for both in

house staff as well as development community, the other a general contract for anything encompassing MS4 or programmatic compliance/improvements.

E. Regional Coordination – Katie Herrera

Report attached in agenda

Highlights:

- ✓ Town of Bluffton –
 - Kim stated the Town was working through its approval process to implement SoLoCo Design Manual and Ordinance. They are in line with the County’s implementation schedule, for a start date of 2/1/2021.

F. Municipal Reports – Katie Herrera

Report attached in agenda

Highlights:

Reports information.

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

G. MS4 Update – Katie Herrera

Report attached in agenda

Highlights:

- ✓ Permits and inspections has increased.
- ✓ Updated staff on Energov software rollout
- ✓ Statewide MS4, CGP, and SCDOT permit updates.
- ✓ Public Education
 - No additional information was provided outside of information included in packet.

H. Maintenance Projects Report – Matthew Rausch

Report attached in agenda

Highlights:

- ✓ One major project:
 - New Orleans Road – Hilton Head Island (SWUD 3) \$15,128.09.
- ✓ Three minor projects:

- Bluffton Vacuum Truck – Bluffton (SWUD 4) \$37,152.51.
- Lady’s Island Vacuum Truck – Lady’s Island (SWUD 7) \$13,698.25.
- Port Royal Island Vacuum Truck – Port Royal Island (SUD 6/7) \$8,476.21.

5. New Business -

Chairman Comments – William Bruggeman.

Highlights:

- ✓ After 12 years of service to the Beaufort County Stormwater Utility Board, Chairman Bruggeman submitted his resignation. Mr. Bruggeman provided a resignation speech. Upon Mr. Bruggeman’s resignation, there was a motion to appoint a new Chairman. A motion was put forth to appoint Mr. Marc Feinberg. The motion was seconded, then approved a third time. The motion passed and Mr. March Feinberg accepted the position of Chairman of the Stormwater Utility Board.

6. Public Comment(s) – *None*

7. Next Meeting Agenda –

- ✓ Agenda approved by vote.

8. Meeting Adjourned



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, February 10, 2021
2:00 p.m.
Executive Conference Room, Administration Building
Beaufort County Government Robert Smalls Complex
100 Ribaut Road, Beaufort, South Carolina
843.255.2805

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

1. CALL TO ORDER – 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes – December 9th, 2020 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
 - A. Utility Update – Katie Herrera ([backup](#))
 - B. Monitoring Update – Katie Herrera ([backup](#))
 - C. Stormwater Implementation Committee Report – Katie Herrera ([backup](#))
 - D. Stormwater Related Projects – Katie Herrera ([backup](#))
 - E. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera ([backup](#))
 - I. Maintenance Projects Report – Matt Rausch ([backup](#))
5. NEW BUSINESS
 - A. FY20 Annual Summary Report ([backup](#))
 - B. Bridge Street StreetScape Project– Kim Jones ([backup](#))
6. PUBLIC COMMENT
7. NEXT MEETING AGENDA
 - A. March 10, 2021 ([backup](#))
8. ADJOURNMENT