

South Carolina NPDES Permit # SCR030000
Small Municipal Separate Storm Sewer System (SMS4)
Annual Report Template

2020 Permit Coverage #SCR30000 **Reporting Period:** 10/01/2020 – 12/31/2021

Permittee: Beaufort County

Program Name: Beaufort County MS4

Reporting for more than one Program:

(Prepare copies of this page for each Program and attach to this report.)

Responsible Official Information

(Enter the information of the principal executive officer, mayor, or other duly authorized employee/elected official.)

Name: Eric Greenway **Title:** County Administrator

Telephone Number: 843-255-2026 **E-mail Address:** egreenway@bcgov.net

Mailing Address: 100 Ribaut Rd Beaufort, SC 29902

Program Manager Information

(Enter the information of the person who is responsible for daily implementation of the program.)

Name: Katie Herrera **Title:** Stormwater Manager

Telephone Number: 843-255-2813 **E-mail Address:** kherrera@bcgov.net

Mailing Address: 120 Shanklin Rd Beaufort SC 29906

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Responsible Official Signature: Noel J. Desai, P.E. for Eric Greenway, County Administrator **Date:** April 28, 2022
(The responsible official may authorize another person or person occupying a specific position to certify this report if this authorization is made in writing and submitted to the Department. Please attach a copy of the authorization with this report, if applicable)

Submit the annual report to:
South Carolina Department of Health and Environmental Control
Bureau of Water, Water Pollution Compliance Section
2600 Bull Street
Columbia, SC 29201-1708

Questions? Contact (803) 898-4300

I. Special Conditions Applicable to Stormwater Discharges to Sensitive Waters

A. General (3.1)

1. Has an assessment been conducted to determine if the MS4 discharges to sensitive waters as described in the Permit Part 3? Yes No (what is the target date of completion of the assessment?) _____

2. Does the SWMP specifically address these sensitive waters through BMP, system design, etc.? Yes No

3. Does the MS4 discharge to waters classified as Outstanding Resource, Trout, or Shellfish Harvesting? If so, list the waters (3.5): No Yes May River, Colleton (Okatie) River, New River, Whale Branch West, Coosaw River, Beaufort River, Morgan River, Broad River, Calibogue Sound, Coastal Waters of St. Helena Island.

B. TMDL Monitoring and Assessment Plan (3.2)

1. Does the MS4 discharge to receiving waters within a TMDL watershed? If yes, list the water body and the pollutant(s) of concern. No Yes Beaufort River – Aquatic Life – Dissolved Oxygen; Capers Creek – Shellfish – Fecal Coliform; Chechessee Creek – Shellfish – Fecal Coliform; Habersham Creek – Shellfish – Fecal Coliform; Okatie River – Shellfish – Fecal Coliform;

2. Which of the TMDL pollutant(s) of concern listed above have the potential to occur within the MS4? Fecal Coliform, Dissolved Oxygen

3. Report the current stage of development of a monitoring and assessment plan. Mark one or more that most accurately reflects the current status of the program as a whole:

Not started Research/Development Implementation

4. Has the plan been submitted to the Department?

Yes No, target date for submission: Program has completed Years 1 and 2 and Quarter 1 of Year 3.

5. Has monitoring been conducted for the pollutant(s) of concern in the past reporting year?

Yes (**SEE ATTACHED EXHIBIT A**) No, target date to begin monitoring: _____

6. Are there any updates to the plan for this reporting year?

No Yes (updates attached)

7. Provide a brief description of the progress made on the plan in this reporting year and evaluate its effectiveness. The County is currently almost through two and a half full years of data collection with it's new monitoring plan. The previous plan was amended when the MS4 permit went Unincorporated County wide. The data collected has allowed the County to begin seeing trends in data and assist with creating the implementation plan for our TMDL watersheds. The County continues to evaluate data as it is available.

C. Discharges to Impaired Water Bodies (3.4)

1. Does the MS4 discharge to receiving waters on the 303(d) list of impaired waters? If yes, list the water body and the pollutant(s) of concern. No Yes

BASIN	HUC_12	DESCRIPTION	STATION	USE	CAUSE(S)
-------	--------	-------------	---------	-----	----------

SALKEHATCHIE	030502070704	COMBAHEE RVR AT US 17 10 MI ESE YEMASSEE	CSTL-098	AL	DO
SALKEHATCHIE	030502070704	COMBAHEE RVR AT US 17 10 MI ESE YEMASSEE	CSTL-098	FISH	HG
SALKEHATCHIE	030502071101	COOSAW RVR NEAR MOUTH OF BULL RVR	RO-02005	AL	CU, TURBIDITY
SALKEHATCHIE	030502071101	BULL RIVER WHERE WILLIMAN CREEK AND WIMBEE CREEK MEET WITH THE BULL RIVER BETWEEN CHISOLM AND BUZZARD ISLANDS CLOSE TO THE CHISOLM ISLAND SIDE OF BULL RIVER.	RO-09367	AL	TURBIDITY
SALKEHATCHIE	030502071101	TRIBUTARY TO BULL RIVER, 7.5 M NE OF BEAUFORT	RT-01643	AL	TURBIDITY
SALKEHATCHIE	030502071101	WIMBEE CK 0.7 MI SE OF MOUTH OF S WIMBEE CK	RO-036037	AL	TURBIDITY
SALKEHATCHIE	030502071102	TIDAL CK NEAR CONFL OF COOSAW AND BULL RVRS CHISOLM ISL	RT-02015	AL	CU, TURBIDITY
SALKEHATCHIE	030502071102	CAMPBELL CREEK AT WHALE BRANCH	14-02	SHELLFISH	FC
SALKEHATCHIE	030502071102	FIRST SPLIT ON HALFMOON CREEK ON SOUTHERN SIDE OF BROWNS ISLAND	14-13A	SHELLFISH	FC
SALKEHATCHIE	030502071102	MCCALLEYS CREEK 2.4 MILES UPSTREAM OF SHELLFISH SITE 15-33	RT-11015	AL	TURBIDITY
SALKEHATCHIE	030502071103	TRIB TO SPARROW NEST CK NEAR DATHA ISLAND	RT-02027	AL	CU
SALKEHATCHIE	030502071103	COFFIN CREEK MOUTH AT MORGAN RIVER	16A-27	SHELLFISH	FC
SALKEHATCHIE	030502071103	COFFIN CREEK, HEADWATERS AT SHRIMP DOCKS	16A-28	SHELLFISH	FC
SALKEHATCHIE	030502071103	EDDING CR AT SMALL TRIBUTARY BETWEEN STATIONS 9 AND 18	16A-23	SHELLFISH	FC
SALKEHATCHIE	030502071103	EDDING CREEK AT SHRIMP DOCK	16A-18	SHELLFISH	FC
SALKEHATCHIE	030502071103	JENKINS CREEK, 500FT. NORTH OF STORMWATER AT DAWTAW ISLAND GOLF COURSE,	16A-30	SHELLFISH	FC
SALKEHATCHIE	030502071103	PINE ISLAND CREEK NEAR CONFL VILLAGE CREEK	16A-38	SHELLFISH	FC
SALKEHATCHIE	030502071103	ROCK SPRINGS CREEK, UPPER REACHES	16A-19	SHELLFISH	FC
SALKEHATCHIE	030502071103	COFFIN CK 0.7 MI SE OF CONFL W/ MORGAN RVR	RT-032033	AL	TURBIDITY
SALKEHATCHIE	030502071104	COOSAW RIVER, MIDCHANNEL BETWEEN BULL RIVER AND COMBAHEE RIVER, 1 MILE EAST OF SHELLFISH SITE 14-04	RO-11314	AL	TURBIDITY
SALKEHATCHIE	030502071104	COOSAW RVR NEAR MOUTH OF COMBAHEE RVR	RO-02001	AL	TURBIDITY
SALKEHATCHIE	030502071104	PARROT CREEK AND COOSAW RIVER MARKER #1 SHELLFISH 14-10	MD-281	AL	TURBIDITY
SALKEHATCHIE	030502071104	SAINT HELENA SOUND, 7 M SW OF EDISTO BEACH	RO-01163	AL	TURBIDITY
SALKEHATCHIE	030502071104	ST. HELENA SOUND BELOW THE CONFLUENCE OF THE MORGAN RIVER AND THE COOSAW RIVER BETWEEN THE TIPS OF ST. HELENA ISLAND AND OTTER ISLAND.	RO-09371	AL	TURBIDITY
SALKEHATCHIE	030502080501	BATTERY CREEK - DOWLINGWOOD TRIBUTARY (C6-97)	15-25	SHELLFISH	FC
SALKEHATCHIE	030502080601	POCOTALIGO RVR AT US 17 AT POCOTALIGO	MD-007	REC	ENTERO
SALKEHATCHIE	030502080601	POCOTALIGO RVR AT US 17 AT POCOTALIGO	MD-007	AL	TURBIDITY
SALKEHATCHIE	030502080602	HUSPAH CREEK AT BULL POINT - WHALE BRANCH POG	14-18	SHELLFISH	FC
SALKEHATCHIE	030502080602	HUSPAH CREEK AT RAILROAD TRESTLE	14-14	SHELLFISH	FC
SALKEHATCHIE	030502080605	HABERSHAM CREEK ABOVE STATION #16, FIRST SPLIT	17-16A	SHELLFISH	FC
SALKEHATCHIE	030502080606	COLLETON RIVER AT MOUTH OF CALLAWASSIE CREEK, 4.5 M N OF BLUFFTON	RO-01125	AL	DO

SALKEHATCHIE	030502080607	CHECHESSEE RVR 1.4 MI SE CONFL W/ COLLETON RVR	RO-036032	AL	DO
SALKEHATCHIE	030502080607	CHECHESSEE RIVER, 6.5 M WEST OF PORT ROYAL	RO-01146	AL	DO
SALKEHATCHIE	030502100101	JOHNSON CK WEST OF HARBOR ISLAND 1.75MI SW OF WEST END OF US 21 BRIDGE OVER JOHNSON CK	RT-10115	AL	TURBIDITY
SAVANNAH	030601100202	NEW RIVER 3.4 MI SSE OF SC 170 BRIDGE OVER NEW RIVER	RT-06021	REC	ENTERO
SAVANNAH	030601100301	BEND IN MAY RIVER NEAREST HIGH BLUFF OF PALMETTO BLUFF	19-19B	SHELLFISH	FC
SAVANNAH	030601100301	FIRST UNNAMED TRIBUTARY LEADING FROM GASCIOGNE BLUFF	19-19C	SHELLFISH	FC
SAVANNAH	030601100301	MAY RIVER AT FIRST DOCK IN HEADWATERS PAST BLUFF	19-19	SHELLFISH	FC
SAVANNAH	030601100301	UNNAMED TRIBUTARY NEAR SW CORNER OF CASCIOGNE BLUFF	19-19A	SHELLFISH	FC
SAVANNAH	030601100304	HILTON HEAD ISLAND LANSEND DRIVE	LC-111	REC	ENTERO
SALKEHATCHIE	030502080608	PORT ROYAL SOUND 1.8 MI SW OF TIP OF PARRIS ISLAND	RO-036034	AL	CU

2. Which of the 303(d) pollutant(s) of concern listed above have the potential to occur within the MS4? Fecal Coliform, Enterococcus, Mercury, Turbidity, Dissolved Oxygen, Copper.

II. Storm Water Management Program

A. Ordinance Information (4.1)

(Insert your website address if the ordinance is posted online. If your ordinance is not posted online, please submit a hard copy with this report.)

Website:

https://library.municode.com/sc/beaufort_county/codes/code_of_ordinances?nodeId=PTIIBULADEOR_CH99S_TMA

Hard copy attached:

B. Storm Water Management Plan (SWMP) (4.1, 4.5)

(Answer the questions below about the SWMP for the current reporting year.)

1. Have there been any changes to the area covered by the MS4? If yes, is this reflected by updates to the SWMP?
X No Yes (explain): _____

2. Are there any proposed changes to the goals or BMP (best management practices) in the SWMP?
X No Yes (explain): _____

3. Do you have adequate resources to implement your SWMP?
X Yes No (explain): _____

4. Provide information below about staffing levels for each Minimum Control Measure (MCM). This information should be presented as the amount of individuals performing duties directly related to each MCM and the

estimated percentage of their time spent doing so. If you share responsibility for the MCM with another entity, indicate that in the corresponding spaces.

- MCM 1: (2) 1 at 30% and 1 at 10% - Clemson University Carolina Clear
(4) 1 at 25% and 3 at 10% - Beaufort County Staff
- MCM 2: (2) 1 at 30% and 1 at 10% - Clemson University Carolina Clear
(4) 1 at 25% and 3 at 10% - Beaufort County Staff
- MCM 3: (4) 1 at 25% and 2 at 10% - Beaufort County Staff
(1) 1 at 5% - Bluffton Stormwater Staff
- MCM 4: (4) 1 at 25% and 2 at 10% - Beaufort County Staff
(1) 1 at 5% - Bluffton Stormwater Staff
- MCM 5: (9) 9 at 5% - Beaufort County Staff
(1) 1 at 5% - Bluffton Stormwater Staff
- MCM 6: (5) 1 at 25% and 4 at 10% - Beaufort County Staff

5. Has training been provided to staff as required by the permit in the last reporting year?

Yes (fill in the table below) No (explain, and provide implementation dates): _____

Date	Topics Covered
<u>12/17/2020</u>	<u>Beaufort County IDDE training</u>
<u>01/13/2021</u>	<u>OSHA CHEMICAL SPILL RESPONSE</u>
<u>02/11/2021</u>	<u>Beaufort County Stormwater and Permit Training</u>
<u>04/07/2021</u>	<u>LID Training</u>
<u>11/16/2021</u>	<u>Post Construction BMP Training</u>

III. Minimum Control Measures (MCM)

A. Sharing Responsibility (4.4)

1. Is responsibility shared for any minimum measures through an agreement with another entity?

No Yes (name the entity in the chart below)

MCM 1	CLEMSON UNIVERSITY CAROLINA CLEAR
MCM 2	CLEMSON UNIVERSITY CAROLINA CLEAR
MCM 3	TOWN OF BLUFFTON
MCM 4	TOWN OF BLUFFTON

MCM 5	TOWN OF BLUFFTON
MCM 6	USC BEAUFORT (some sample collection and all analysis)

If you have indicated that you are sharing responsibility above in any MCM, answer the questions below:

2. Have you submitted notice to the Department that you are relying on another entity?

X Yes No (submit a copy of any agreements that have not previously been sent to the Department)

3. If applicable, provide the date of submission of the agreement(s) to the Department: Clemson agreement was submitted to the department with Year 4 Annual Report. Town of Bluffton and USC Beaufort agreements were submitted with Year 2 Annual Report.

4. Are all control measures as stringent as the permit requires?

X Yes No (if no, provide an explanation) _____

5. Did the other entity agree in writing to implement the measure on your behalf?

X Yes No (if no, provide an explanation) _____

6. Did the other entity implement the measure and agree to report on your behalf?

X Yes No (if no, provide an explanation) Clemson report and Bluffton data incorporated into this report.

7. Is the agreement maintained as part of the SWMP?

X Yes No (if no, provide an explanation) _____

8. Have you dissolved any agreements with entities this reporting year?

X No Yes (if yes, who?) _____

III. Minimum Control Measures (MCM)

B. Minimum Control Measure 1: Public Education and Outreach on Storm Water Impacts (4.2.1, 5.3)

1. Use the table below to summarize outreach strategies, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

SEE ATTACHED CLEMSON REPORT IN EXHIBIT B.

C. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: **SEE ATTACHED CLEMSON REPORT IN EXHIBIT B.**

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: **SEE ATTACHED CLEMSON REPORT IN EXHIBIT B.**

III. Minimum Control Measures (MCM)

D. Minimum Control Measure 2: Public Involvement/Participation (4.2.2, 5.3)

1. How can the public find information about the SWMP? The County’s SWMP is published on the Stormwater page of the Beaufort County website (www.beaufortcountysc.gov). The County’s SWMP is also Appendix G of the County’s BMP Manual.

2. Use the table below to summarize public involvement opportunities, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

SEE ATTACHED CLEMSON REPORT IN EXHIBIT B.

E. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: **SEE ATTACHED CLEMSON REPORT IN EXHIBIT B.**

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: **SEE ATTACHED CLEMSON REPORT IN EXHIBIT B.**

III. Minimum Control Measures (MCM)

F. Minimum Control Measure 3: Illicit Discharge Detection and Elimination (IDDE) (4.2.3, 5.3)

1. How can the public notify the MS4 of suspected illicit discharges? Citizens of Beaufort County can report illicit discharges in a variety of ways. Citizens may contact the Stormwater staff via telephone, email, online citizen-gram, or using the Beaufort County Connect App. A summary of complaints received through the Beaufort County Connect App can be found in **EXHIBIT C.** A summary of Illicit Discharge investigations can be found in **EXHIBIT D.**

2. Complete the list below for the last reporting year:

- Total number of suspected illicit discharges: 8 **SEE ATTACHED EXHIBIT D.**
- Total number of illicit discharges found: 6 **SEE ATTACHED EXHIBIT D.**
- Number of illicit discharges with enforcement escalation (action taken beyond written warning): 0
- Total number of illicit discharges eliminated: 6 **SEE ATTACHED EXHIBIT D.**

3. Use the table below to summarize priority areas (and associated rationale for selection) for screening. If these areas have changed since the last reporting year, provide a brief explanation. Add rows where needed and attach additional sheets if necessary.

Priority Areas	Rationale for Selection	Changed within last reporting year? (If so, provide an explanation.)
Construction Sites	The County has prioritized construction sites due to the increase of development.	No.
TMDL and Impaired Waterbodies	The County has prioritized the screening schedule based on last year’s monitoring data, septic failure	No.

	reports, land uses, and SSO data provided by local water authority.	
Non Sewer areas	The County has prioritized these areas due to shellfish beds located near these areas.	No.

4. Use the table below to summarize IDDE action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

IDDE Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>
Adequate Legal Authority	Develop an Ordinance, establish authority	<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Evaluation	For Year 5, continued implementation.
Outfall Inventory Map Collection	Map outfalls for screening and inspection.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	By Milestone Year 2, 50% of all County owned outfalls were to be inspected. During 2017, post-Hurricane Matthew we visually inspected 100% of the system, but did not map. By 12/01/18 the County has 75% of all outfalls inventoried and mapped. By 12/01/2019 the County intends to have all outfalls inventoried and mapped. By 10/01/2019 the County has approximately 85% of the County outfalls mapped. The County intends for the remainder to be mapped by 12/01/2020. By 09/30/2020 the County has approximately 92% of outfalls inventoried and mapped. The County intends the remainder to be mapped by mid reporting year 2021. The County has 100% of the outfalls inventoried and mapped. The County continues to add
Outfall Screening for Illicit Discharge	Develop a citizen reporting tool. Conduct dry weather screening of outfalls.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	The BC Connect app was designed to allow residents to communicate with the County regarding IDDE and complaints. Currently the app is live with 784 800 active members, and we anticipate a more robust media outreach program to increase members to 3000-5000.
Prioritize Other potential Illicit discharges and non-stormwater discharges	Prioritize screening based on complaints, monitoring results, land use, and survey results.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	In Year 3 we outlined 2 hotspot areas based on proximity to consistently impacted shellfish beds and lack of sewer authority connections. Year 4 the County conducted dry weather screening in the 2 hotspot areas. The County also kept track of sanitary sewer overflows from the local water

			<p>authority. The County also works closely with the Town of Bluffton regarding potential IDDE's relating to septic tanks in the May River Watershed. Year 4 the County participated in the monitoring of an issue outside county lines, but who's runoff led to a TMDL watershed. SEE APPENDIX F. In Year 5 the County continued to prioritize potential illicit discharge screening by performing dry weather screening in previously identified potential hot spot areas. The County also performed dry weather screenings at outfalls based on water quality monitoring data. The County continues to keep track of sanitary sewer overflows from the local water authority. In Year 6, the County reviewed and assessed its water quality monitoring plan. The County continues to prioritize illicit discharge investigations.</p>
Education on IDDE	Educate the Public on IDDE	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>Carolina Clear will continue to provide this MCM. SEE ATTACHED EXHIBIT B.</p>
Enforcement	Establish authority to inspect and enforce	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>The IDDE ordinance has been adopted and enforcement continues. In Year 2 we began using MUNIS to track IDDE activities. In Year 3, we continued the use of MUNIS to track IDDE activities, and began tracking IDDE activities via the BC Connect app. In Year 4, we continued the use of the app and MUNIS and began working more closely with County Environmental Officers. In Year 5 we anticipate we will be upgrading to another software with expanded capabilities, while continuing use of MUNIS and BC Connect app. In Year 5 the County continued working closely with Code Enforcement and County Environmental Officers. The County continues the use of our app and MUNIS. With COVID-19, there have been delays with implementing our new tracking software. It is anticipated to go live during year 6. In Year 6, the County designated all Stormwater Regulatory</p>

			Staff as Public Works Enforcement officers. This granted our inspectors the ability to write tickets themselves instead of working with another department. The County also began using its new permitting software. It is anticipated the enforcement software will go live in Year 7.
Monitoring Plan	Establish a program to track and sample POCs	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>The County is ahead of schedule on implementation of the plan. In Year 3, we redeveloped the monitoring plan due to expanding the permitted area (Permit by Rule) in 2017. In Year 4 we implemented a new plan focused more on TMDL and 303d listed watersheds. In Year 5 we will continue to implement the new monitoring plan. In Year 5 the County continued to implement the new monitoring plan. As of 12/31/2020 the County will have 2 full years of monitoring data to begin working on its TMDL implementation plans. In Year 6 the County reviewed its monitoring plan for effectiveness. In Year 7, the County plans to have all necessary TMDL implementation plans.</p>
Staff Training	Train applicable staff on IDDE	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>During MCM evaluation, the need to report and document public and staff training separately was identified. A BMP to focus education on staff for the IDDE program was added for Year 3. Additional training was planned for Year 4, but will be pushed back to Year 5. Training will continue annually. IDDE training for staff was performed on 1/16/2020 and 1/18/2020. The County training opportunities became limited in early 2020 due to COVID-19 as many staff are working remotely. The County has hired a consultant and will begin assisting with staff training in Year 6. In Year 6, IDDE training was performed on 12/17/2020. The County will be pursuing additional IDDE training in Year 7.</p>
Asset Mapping	Map the storm sewer system and assess condition	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>Upon evaluation of program needs, it was determined that storm sewer system inventory and inspection should be documented in MCM3 rather than MCM 6. Staff continues to map the system. We are approx. 85% complete. SEE</p>

			ATTACHED EXHIBIT G. Staff is approximately 92% complete with asset inventory. The anticipated completion date is early 2021. SEE ATTACHED EXHIBIT F. Staff are approximately 100% complete with asset inventory in
--	--	--	--

G. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: All goals were achieved by implementing an IDDE violation database and obtaining the authority to enforce all non-stormwater discharges. We actively investigate all citizen complaints through all reporting methods. We have established MOA’s with other MS4’s for monitoring and continue to coordinate with our local DHEC office in response to failing septic tanks and all other illicit discharge complaints.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: Overall the IDDE program is a success. Training of all staff who participate in illicit discharge complaints has been instituted. The County hired a consultant to evaluate our program and we anticipate working closely with them to make our program even better.

III. Minimum Control Measures (MCM)

H. Minimum Control Measure 4: Construction Site Storm Water Runoff Control (4.2.4, 5.3)

1. How can the public notify the MS4 of possible noncompliance at construction sites? Citizens can call our main phone line, send an email using our citizengram link on our website. Citizens can also utilize the Beaufort County Connect App. A summary of complaints received through the app can be found in EXHIBIT C.

2. How does the MS4 communicate with construction operators to ensure understanding of requirements and improvements that may be needed? The County, at time of Stormwater permitting, hands out information regarding requirements for compliance with the MS4 permit. A pre-construction meeting is held for all new construction to ensure understanding of compliance. Inspectors keep in constant communication with contractors and all proposed changes are communicated with the building community. Construction BMP’s are inspected on the cycle dictated by the SMS4 permit. Any deficiencies are communicated with the respective parties.

3. Has an enforcement response plan (ERP) been developed and utilized?
 X Yes No (explain): The County is adopting new Stormwater Design Standards in early 2021. During this update, the ERP has been restructured. This information will be included in the next Annual Report.

4. Complete the list below for the last reporting year:
- Number of new construction sites: 650. SEE ATTACHED EXHIBIT E.
 - Total number of active construction sites: . SEE ATTACHED EXHIBIT E.
 - Total number of inspections performed: 6075. SEE ATTACHED EXHIBIT E.
 - Number of sites with unsatisfactory/noncompliant inspection results: 163. SEE EXHIBIT E.

- Number of sites with enforcement escalation (action taken beyond written warning):SEE ATTACHED EXHIBIT E. The attached exhibit E has summary information for all Stormwater enforcement actions. ~~The County hoped to be further along in implementing new enforcement software. This software is schedule to go live in reporting Year 6.~~The County hopes to begin implementing new software to track enforcement action in Year 7.
- Number of sites inspected past the deadline specified in the permit:SEE ATTACHED EXHIBIT E.

5. Use the table below to summarize construction site action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Construction Site Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>
Plan Review and Permitting	The BC BMP Manual contains plan review and permitting requirements and is reviewed and updated annually to assist applicants in the permitting process.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>The plan review process requires applicants to provide BMP’s on all construction plans and provide drainage calculations to ensure sediment is controlled on site. During routine inspections, if sediment is not being controlled on site, Stormwater staff work with contractors on adding more, to the MEP. In Year 5, we continued implementing standards. Year 6 design standards will be updated with the adoption of a new design manual. All contractors and applicants will be provided training. In Year 6, the County adopted new Stormwater Standards. This included training of all contractors and applicants as well as internal staff. The County continues to host the web training on its website.</p>
Stormwater Permit	Educate the community regarding when a SW permit is required for all land disturbance greater than 5000 square feet.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>Issue press release to notify all applicants of new permit procedures. Year 4 there were no updates to the permit. Year 5 there are no pending updates to the permit. The County anticipates updates will occur at time of permit update with DHEC. Year 6 there are no pending updates to the permit. The County anticipates updates will occur at time of permit update with DHEC.</p>
Enforcement	Continue to educate the contractors and public regarding construction site permitting and enforcement.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	<p>Increase inspection and training for contractors. In Year 4, we will be switching to another software with expanded capabilities. In Year 5 we held public meetings for proposed updates to the current design standards. In Year 6 before the updates are implemented, we are planning to host educational trainings so contractors remain in compliance as the regulations change. In Year 6 the County implemented new</p>

			design standards and trained contractors on construction site permitting and enforcement. The training continues to be available on our website.
--	--	--	--

I. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: All goals were achieved prior to projected year and are currently being implemented through the ordinance and new BMP manual. Additionally, Preconstruction meetings are held to ensure that initial BMPs are installed prior to grading. A certificate of completion check list was created to ensure all pipes, ditches, and ponds are built per design and free of debris and sediment.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: The Construction Inspection program was a success in tracking projects via the Stormwater permit data base. Site Plan review has required a more detailed check list to ensure all aspects of the SWPPP are addressed. The County began implementing a new permitting tracking software in October 2021. While the process for the customer service portal is still not live, the County now tracks all permits and inspections in real time.

III. Minimum Control Measures (MCM)

J. Minimum Control Measure 5: Post-Construction Storm Water Management (4.2.5, 5.3)

1. Complete the list below for the last reporting year:

- Number of newly completed construction sites: 288. **SEE ATTACHED EXHIBIT E.**
- Number of inspections performed within 30 days of construction completion: 10.
- Total number of inspections performed: 15.
- Number of sites with unsatisfactory/noncompliant inspection results: 2.
- Number of sites with enforcement escalation (action taken beyond written warning): 0. **See ATTACHED EXHIBIT E.**

2. Use the table below to summarize post-construction action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Post-Construction Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>
Ordinance	Develop an ordinance, or other regulatory mechanism, adequate legal authorities to meet the objectives of the Post-Construction Site Runoff Controls program.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Ordinance is reviewed on an annual basis and modified when necessary to ensure that all site design review and approval, inspection, and monitoring are implemented and maintained.

Maintenance Agreement	To ensure that all stormwater control measures meet the County's performance standards and are being maintained pursuant to the maintenance agreement.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	The County has begun recording maintenance easements. Easements are also connected to the inspection data base to allow better tracking of annual inspections. In Year 5 the County improved tracking of maintenance agreements to ensure compliance. In Year 6 the County provided training to all contractors and developers about maintenance agreements and what is required by the County. The training is available on the website.
Enforcement	The County has authority to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance the Post-Construction Stormwater Management Program. Also, the County has an agreement with the Town of Bluffton to allow each municipality to access each other's jurisdiction.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	The County tracks all enforcement through the inspection database, which allows reports to be created and violations issued. The data base also has the ability to schedule re-inspection to ensure compliance. In Year 4, we will be upgrading to another software with expanded capabilities. In Year 5 the County continued working on the development of our new enforcement software. It is anticipated to go live in early 2021. In Year 6 the County implemented its new permitting and inspection software. The component of the program that tracks enforcement issues has not gone live, however the County still tracks enforcement actions in its database.
Reporting and Inspection	A Stormwater Permitting database and inspection program was developed to provide structural stormwater controls to be installed pursuant to the County's post-construction program.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	The County tracks inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Post-Construction Stormwater Management Program. In Year 5 the County continued to evaluate compliance with Post Construction SW management. In Year 6 the County evaluated compliance for Post Construction SW management, and plans to implement improvements in Year 7 with its upgraded inspection software.

K. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: ~~In Year 5 the County assessed programmatic success and areas for improvement if necessary. Year 6 the County will implement all findings by implementing accountability strategies for both staff and software.~~ In Year 6, the County assessed the success of the program, implemented software for tracking, held

staff trainings on new software and tracking mechanisms. In Year 7, the County plans to implement additional measures to continue compliance with program.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: The County began implementing new permitting software in October of 2021. There have been some minor issues converting old data into new system. Staff still need to become familiar with software as new permits beginning coming in. Training by management and software hosts was done in September of 2021, with additional training dates planned for 2022.

III. Minimum Control Measures (MCM)

L. Minimum Control Measure 6: Pollution Prevention/Good Housekeeping for Municipal Operations (4.2.6, 5.3)

1. Has a comprehensive assessment of the pollutant discharge potential for all municipally owned facilities been conducted? If not, indicate a status and planned completion date in the chart below.

X Yes No In Progress (explain): _____

2. Have yearly comprehensive inspections been conducted at high priority facilities? If not, indicate a status and planned completion date in the chart below.

X Yes No In Progress (explain): _____

3. Has training been conducted for employees? If not, indicate a status and planned completion date in the chart below.

X Yes No In Progress (explain): _____

4. Use the table below to summarize municipal facility pollution prevention action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Ensure that the maintenance and inspection of MS4 catch basins and structural storm water controls are addressed in the chart. Add rows where needed and attach additional sheets if necessary.

Pollution Prevention Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned (specific implementation dates)
SPPC Plans	Develop Spill Prevention plans for County Facilities	<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	SPPC is a specific EPA program not entirely related to Stormwater and MS4. Three County facilities have SPPC plans (2 airports and Mosquito Control).
Facilities SWPPP Development	Identify priority facilities and develop SWPPPs, SOPs, etc.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	All High Priority facilities were prioritized based on chemicals stored and potential hazardous materials. Audit / Evaluation of facilities was completed and follow up inspections were completed by 12/1/2018. Follow up inspections will be completed again by 10/1/2019. In Year 4 the County developed SWPPP’s for 12 of it’s high priority facilities. In Year 5, follow up inspections were completed by 09/30/2020. In Year 6, follow up inspections were completed by 12/18/2021.
Training	Provide training program for grounds maintenance,	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed	Continue to train staff for grounds maintenance, landscaping crews, and

	landscaping crews, and roadway and drainage staff.	<input type="checkbox"/> Evaluation	roadway and drainage staff. Create additional training in year 7.
Parking Lot and Street Cleaning	Inventory and prioritize roads for cleaning.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Due to the increase in development in certain areas of the County the road inventory prioritization has not changed and the County will continue to maintain on an as needed basis. The County continues to use a contract sweeper. SEE ATTACHED EXHIBIT G. The County purchased a sweeper and hired an operator to expand the program, and is keeping the contract sweeper on retainer through mid-2019. In Year 6 The County continued to operate a sweeper schedule to ensure good housekeeping at County facilities as well as on County roads to continue efforts to improve water quality goals. SEE EXHIBIT H.
Asset Management	Asset management of facilities and high priority areas	<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Evaluation	Upon evaluation of program needs, it was determined that storm sewer system inventory and inspection should be documented in MCM3. Further, facility inventory should be linked with priority assessment and SWPPP development; Facilities were added to a revised BMP A above. In Year 6, the County continues to inventory, inspect, and document in MCM 3.

M. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: Staff training continues to occur each year. Year 7, additional staff training to more departments is planned. The County also provides updates regarding its program in Countywide distribution lists. Overall, County owned facility inspections met expectations. All compliance issues were forwarded to respective management teams for addressing. The County has implemented a street sweeping plan. SEE ATTACHED EXHIBIT H.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: Annual compliance training is planned for all Beaufort County Staff, with priority training sessions being planned for facilities whose locations have pollutants of concern on site. Several County facilities will require extensive upgrades to reach compliance. The County will perform inspections and monitoring, as needed, to ensure compliance.

STORMWATER MANAGEMENT PLAN (SWMP)

Prepared in accordance with SCDHEC Permit (SCR030000)



**October 1, 2020
December 31, 2021**

**Beaufort County
120 Shanklin Road
Beaufort, South Carolina
843-255-2805**

Introduction

This Stormwater Management Plan (SWMP) is designed to reduce the discharge of pollutants from Beaufort County, South Carolina Small Separate Storm Sewer System (SMS4) to the maximum extent practicable, to protect water quality and to satisfy the appropriate requirements of the Clean Water Act. The contents are expected to change with time due to the interactive process of developing the SWMP recognized by the Environmental Protection Agency (EPA). EPA permit cycle is over a 5-year term. The first permit term focused highly on data collection, organization, development of programs and public education. During the current cycle the County is required to update the SWMP. This document is a living document and will be updated on an annual basis to reflect accomplishment, potential revisions to program and additions if deemed necessary based on the previous year's program.

This SWMP meets the requirements of the NPDES General Permit for discharges from regulated SMS4's; Permit No. SCR030000, effective December 1, 2015.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Signature

Public Works Director, Beaufort County

Title/MS4

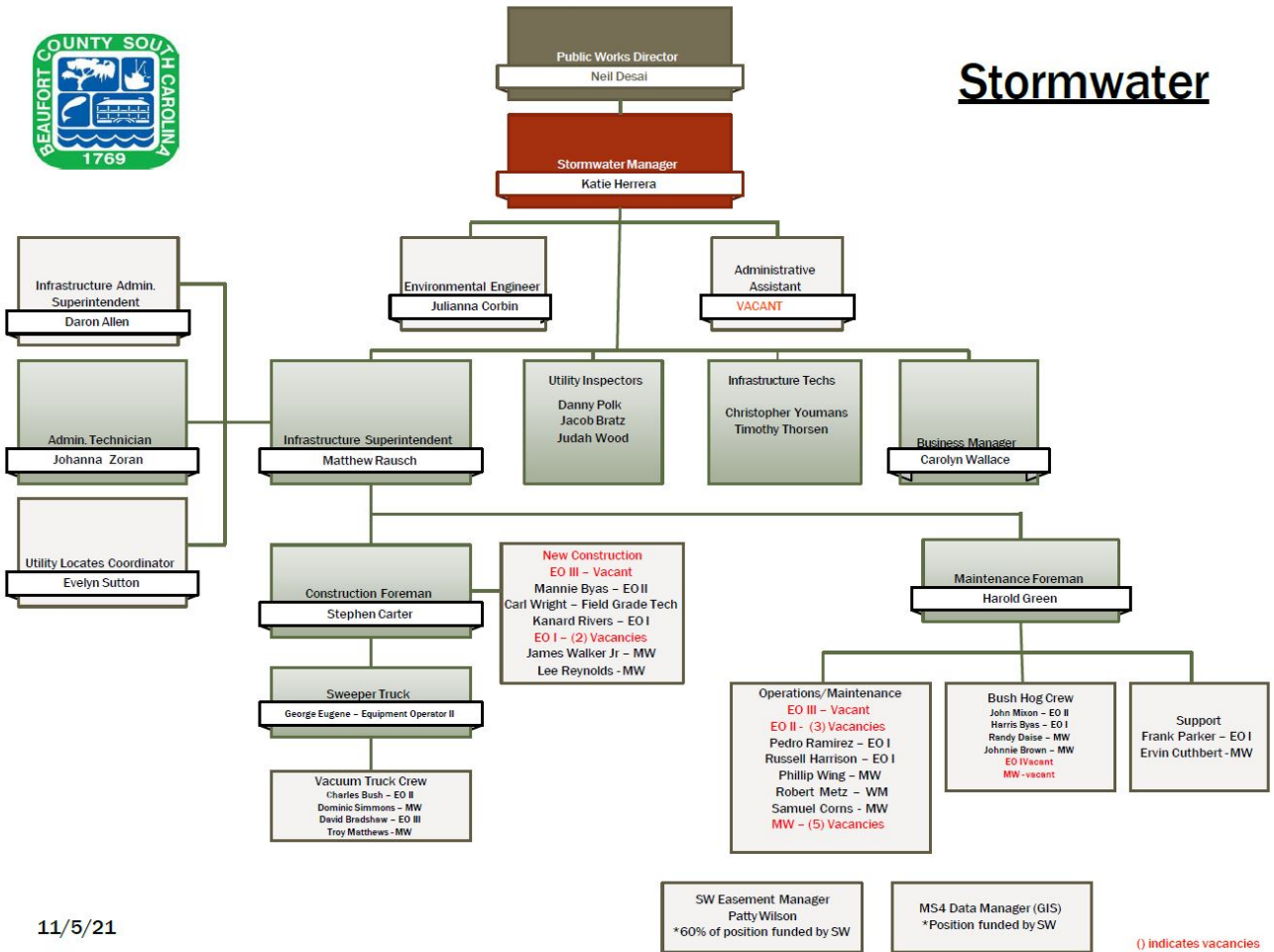
April 28, 2022

Date

**South Carolina Department of Health and
Environmental Control
Bureau of Water**



Stormwater



11/5/21

() indicates vacancies

**PART I
ADMINISTRATIVE INFORMATION**

Name of municipal entity / tribe / state agency / federal agency / or public institution that owns / operates a small MS4:

Beaufort County	N/A		
MS4	NPDES Small MS4 Permit Coverage Number		
Eric Greenway	County Administrator		
Responsible Elected Official or Officer	Title		
100 Ribaut Road	Beaufort	SC	29902
Street Address	City	State	Zip Code

Indicate whether the SMS4 is a:

<input checked="" type="checkbox"/>	Municipal Entity
<input type="checkbox"/>	Tribe
<input type="checkbox"/>	State Agency
<input type="checkbox"/>	Federal Agency
<input type="checkbox"/>	Other Public Institution: _____

PROGRAM CONTACT	TECHNICAL CONTACT
------------------------	--------------------------

Niel Desai, PE Katie Herrera	Neil Desai, PE Katie Herrera
Name	Name
kherrera@bcgov.net	kherrera@bcgov.net
Email Address	Email Address
(843) 255-2805	(843) 255-2805
Phone Number	Phone Number

**PART II
SMS4 INFORMATION**

**ITEM A
MS4 SYSTEM**

Urbanized Area (UA), or Core Municipality (if the SMS4 is not located in an UA)	Beaufort County, SC
Latitude and Longitude of the center of the SMS4	32° 14' 50" N, 80° 50' 19" W
Jurisdiction in square miles within current corporate boundaries:	≈ 71 sq miles (Black Outline)
Area of additional urban growth boundary: <input type="checkbox"/>	≈ 51 sq miles (Orange Outline)
The permit will be used to regulate the:	UA portions, as follows (Counties only):
<input checked="" type="checkbox"/> Entire Jurisdiction	Unincorporated Area ≈ 596 sq miles
Total Area: <u>596 sq. miles</u>	Unincorporated, Urbanized Area ≈ 71 sq miles (Black Outline)

Other potential MS4s adjacent to Urbanized Area within Beaufort County:

1. **Town of Hilton Head Island, SC**
2. **Town of Bluffton, SC**
3. **SCDOT**
4. **University of SC, Beaufort New River Campus**
5. **Parris Island**
6. **MCAS**

**ITEM B
STORM DRAINAGE INFRASTRUCTURE**

Give figures for the following features of stormwater drainage infrastructure. For a county government, indicate whether the figures represent the entire county or only the urbanized area. Figures for length and number of culverts and catch basins may be rough estimates. **Figures represent the entire County**

Entire Jurisdiction	≈ 596 sq. miles (Beaufort Co. is 732 sq. miles including other MS4 jurisdictions including military bases, Towns, and City.) <u>(Beaufort County)</u>	Urbanized Area(s)	≈ 71 sq miles	COUNTIES ONLY
Storm Sewers	≈ 528,000 Feet	Open Ditches	≈ 10,560,000 Feet	
Culverts	<u>Included in Storm Sewers</u>	Catch Basins	≈ 12,000	
Retention and / or Detention Basins	≈ 1,000			

**ITEM C
STATE THE FOLLOWING, INCLUDE ITEMS IN A COPY OF THE SMS4 MOST CURRENT MAP AS POSSIBLE**

Zoned areas for commercial or industrial activity	<u>No Change</u>	State vocational, technical, college or universities	<u>No Change</u>
Actual areas of commercial or industrial activity	<u>No Change</u>	Federal vocational, technical, college or universities	<u>No Change</u>
Other municipally owned/operated industrial activities	<u>No Change</u>	City Roads	<u>No Change</u>
Municipal or County Wastewater Treatment Plants	<u>No Change</u>	County Roads	<u>No Change</u>
Vehicle Fleet Maintenance Centers	<u>No Change</u>	Perennial and intermittent streams	<u>No Change</u>
Power Plants	<u>No Change</u>	Topography or Drainage Patterns	<u>No Change</u>
Airports	<u>No Change</u>	Landfills (Garbage Convenience Stations)	<u>No Change</u>
Military Installations	<u>No Change</u>	Indian Country lands, if any	<u>No Change</u>
	<u>No Change</u>	Drainage Pipe and Structures	<u>No Change</u>

**ITEM D
IDENTIFYING IMPAIRED STREAMS AND ALL SENSITIVE WATER BODIES**

Identify water bodies (located throughout the SMS4 jurisdiction, or extending one mile beyond the SMS4 service boundaries if cost effective) listed in Part 3 of the permit. Impairments, indicating the nature of pollution (cause) and their sources should be listed below. Visit: <http://www.scdhec.gov/tmdl>

STREAM NAME	WQMS	Impairment(s)
See list of water bodies on the 2018 303(d) List for Beaufort County, located in the 2021 Annual MS4 report, Section 1.C.		

ITEM E

HAS THE STATE OR EPA ISSUED A TDML FOR ANY STREAMS LOCATED THROUGHOUT THE SMS4 JURISDICTION OR EXTENDING ONE MILE BEYOND THE SMS4 SERVICE BOUNDARY?

Yes No If yes, list stream, WQMS, and parameter(s) of concern, visit: <http://www.scdhec.gov/tmdl>:

STREAM	WQMS and PARAMETERS OF CONCERN
Okatie River	Shellfish Sites: 18-07, 18-08, 18-16, 18-17; Fecal Coliform
Chechessee Creek	Shellfish Sites: 18-03, 18-09, 18-10, 18-11: Fecal Coliform
Beaufort River	Sites: MD-001, MD-002, MD-003, MD-004, RO-02003; Dissolved Oxygen
Hazzard Creek	Shellfish Sites: 17-18, 17-25
Chowan Creek	Shellfish Site: 15-20
Habersham Creek	Shellfish Site: 17-16A

PART 3
STORMWATER MASTER PLAN

SECTION 1
PUBLIC EDUCATION

SECTION ONE

TABLE 1: BMP MEASURABLE GOALS AND IMPLEMENTATION MILESTONES

	Name	DESCRIPTION
A.	Identify Target Pollutants & Audience Messages	Beaufort County POC are; Bacteria, sediment, nutrients, litter, metals, hydrocarbons, pesticides and other that may be identified.
B.	Brochures	Create and distribute target audience based brochures on SW management & pollution protection
C.	Website	Create a standalone SW Website that provided all audiences with quick access to SW pollution prevention information. Update current "SW Kiosks"
D.	Event Participation	Trained staff will attend local events (e.g. Water Festival), will have a display station for face to face contact with public on SW quality goals and objectives and will have information for distribution
E.	School SW Programs	Develop various school curriculum for Elementary, Middle and High School level science programs that can be presented by teachers and/or County SW staff
F.	Community Surveys	Conduct Community wide surveys to gauge the public's knowledge of Stormwater issues
G.	Public Input	Provide opportunities via website or public meetings to citizen input on Stormwater issues
H.	LSP Strategic Plan	Support and implement the Lowcountry Stormwater Partners (LSP) regional stormwater outreach plan through Carolina Clear/Clemson. The outreach plan encompasses the activities and audiences identified in BMPs A-G above. Beginning in year 3, the County will implement public education and outreach primarily through the LSP initiative to be consistent with other MS4s in Beaufort County, to streamline reporting and to adapt to local needs more effectively.

TABLE 2: ADMINISTRATIVE INFORMATION

PRIMARY CONTACT	POSITION OR TITLE
Neil Desai, PE Katie Herrera	Public Works Director Stormwater Manager
OTHER DEPARTMENT	ROLE
GOVERNMENT ENTITY	ROLE
Beaufort County SW Utility	Primary Responsible Party

OTHER INSTITUTION	ROLE
Carolina Clear/Clemson	Primary provider of Public Education services as a contractor to the County
County	Events
EQUIPMENT NEEDS (IF APPLICABLE)	
NA	
GROUP	TARGET DESCRIPTION
Carolina Clear/Clemson	Carolina Clear will assist in educating citizens about the impacts of stormwater and means to improve stormwater management and since this program provides outreach opportunities to address a broad range of water quality issues including the impact of stormwater on natural resources, Clemson and the County will collaborate to address stormwater public education and outreach and public involvement/participation. Carolina Clear is a comprehensive approach developed by Clemson University Cooperative Extension Service (CUCES) to inform and educate communities about, among other issues, water quality, water quantity, and the cumulative effects of stormwater. Carolina Clear addresses the special significance of South Carolina's water resources and the role these resources play in enhancing the state's economy, environmental health, and overall quality of life.

**ADDENDUM
TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES**
These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION ONE

TABLE 3: BEST MANAGEMENT PRACTICES

The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures.

Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP.

For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year. Also, certain BMPs - e.g., an ordinance - should be put in place within one year.

BMP A	MEASURABLE GOALS AND MILESTONES
Goals	Identify Target Pollutants & Audience Messages
Milestone Year 1	Clemson will lead a regional effort that includes strategic identification of behaviors and pollutants that can be addressed through stormwater education programming; implementation of an outreach campaign that seeks to address target behaviors, pollutants, and audiences; website presence and information made available to the public about pollution prevention; annual data report regarding program activities.
Milestone Year 2	Identified possible causes and sources of pollutants.
Milestone Year 3	Began developing target audiences to reach with stormwater pollution messages and educational materials
Milestone Year 4	Development of 5 year strategic plan. Continued to develop target audiences and educational materials.
Milestone Year 5	Implemented 5 year strategic plan.
Milestone Year 6	Implemented 5 year strategic plan.
Milestone Year 7	Implement 5 year strategic plan
BMP B	MEASURABLE GOALS AND MILESTONES
Goals	Distribution of SW Pollution Prevention Brochures to the public
Milestone Year 1	Created SW Pollution Prevention target audience brochures (e.g. general public, sportsmen, etc.). Develop a portable SW display booth

Milestone Year 2	Participated as a partner when possible at public events (festivals, etc.), set up booth and man, distributed audience specific brochures- Goal to reach an additional 1,000 people with SW education.
Milestone Year 3	Participated as a partner when possible at public events (festivals, etc.), set up booth and man, distributed audience specific brochures. Goal to reach an additional 1,000 people with SW education.
Milestone Year 4	Participated as a partner when possible at public events (festivals, etc.), set up booth and man, distributed audience specific brochures- Goal to reach an additional 1,000 people with SW education.
Milestone Year 5	Participated as a partner when possible at public events (festivals, etc.), set up booth and man, distribute audience specific brochures until onset of Covid 19 restrictions.
Milestone Year 6	Participated as a partner when possible at public events (festivals, etc.), set up booth and man, distributed audience specific brochures- Goal to reach an additional 1,000 people with SW education
Milestone Year 7	Participate as a partner when possible at public events (festivals, etc.), set up booth and man, distributed audience specific brochures- Goal to reach an additional 1,000 people with SW education
BMP C	
MEASURABLE GOALS AND MILESTONES	
Goals	Create an interactive Website, with standalone citizen report and complaint link and continue to use the existing stormwater educational kiosks
Milestone Year 1	Clemson University/Carolina Clear and Consortium utilizes their website, facebook and blogs to provide Stormwater Information and Education Website, with links to other programs (both public and private) that promote water quality and preservation practices. Utilize mass media outlets to provide statewide education at an increased cost-effectiveness; as needed, locally utilize mass media such as newspapers, radio, interviews and advertisements to address specific needs. Created billboards banners and promotional giveaways to provide education on POC which served as a way to attract audiences and increase regional consortium visibility. Reached approximately 42000 citizens with the billboards.
Milestone Year 2	Maintained and Updated Website based on customer input, availability of new information and input from both the development and environmental community.
Milestone Year 3	Maintained and Updated Website based on customer input, availability of new information and input from both the development and environmental community.
Milestone Year 4	Maintained and updated website based on customer input availability of new information and input from both the development and environmental community.
Milestone Year 5	Maintained and update website based on customer input availability of new information and input from both the development and environmental community.
Milestone Year 6	Maintained and updated website based on customer input availability of new information and input from both the development and environmental community.
Milestone Year 7	Maintain and update website based on customer input availability of new information and input from both the development and environmental community.
BMP D	
MEASURABLE GOALS AND MILESTONES	
Goals	Event Participation
Milestone Year 1	Attended 32 events and reached 555 citizens with 6400 participants.
Milestone Year 2	Clemson University/Carolina Clear delivered public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs included components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. Events were held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction included the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County.

Milestone Year 3	Clemson University/Carolina Clear delivered public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs included components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. Events were held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction included the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County. Efforts have impacted over 1,000,000 individuals.
Milestone Year 4	Clemson University/Carolina Clear delivered public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs included components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. Events were held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction included the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County. This year all 174 programs participated in impacted over 1,200,000 individuals.
Milestone Year 5	Clemson University/Carolina Clear delivered public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs included components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. Events were held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction included the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County. Planning a creek clean up in Summer 2020 2021. 2020 event was cancelled due to Covid 19. This year there were 185 programs for 1,292,932 impacts.
Milestone Year 6	Clemson University/Carolina Clear will deliver public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs will include components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. Events will be held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction included the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County.
Milestone Year 7	Clemson University/Carolina Clear will deliver public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs will include components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. Events will be held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction included the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County.
BMP E	MEASURABLE GOALS AND MILESTONES
Goals	School Stormwater Programs
Milestone Year 1	Presented EnviroScapes at 16 schools and reached over 1400 students. Created a portable SW display and train staff to man the display for major local events. Goal – Have ready for 2015 Beaufort Water Festival.
Milestone Year 2	Provided multiple programs within the region such as Adopt-A-Watershed which uses a local watershed, Storm Drain Marking, 4-H Wetlands Project explores estuaries, marshes, and swamps, 4H2O Pontoon Classroom, Engaging teachers in new watershed and stormwater curriculum meeting SC Standards, and EnviroScape.
Milestone Year 3	Provided multiple youth programs within the region such as “That’s MY Truck”, a coloring contest which incorporated Stormwater Infrastructure equipment and how we use it to keep our County clean, Storm Drain Marking, 4-H Wetlands Project explores estuaries, marshes, and swamps, Engaging teachers in new watershed and stormwater curriculum meeting SC Standards, and EnviroScape

Milestone Year 4	Provided multiple youth programs within the region such as “That’s MY Truck”, a coloring contest which incorporated Stormwater Infrastructure equipment and how we use it to keep our County clean, Storm Drain Marking, 4-H Wetlands Project explores estuaries, marshes, and swamps, Engaging teachers in new watershed and stormwater curriculum meeting SC Standards, and EnviroScape
Milestone Year 5	Provided multiple youth programs within the region such as Storm Drain Marking , 4-H Wetlands Project explores estuaries, marshes, and swamps, Engaging teachers in new watershed and stormwater curriculum meeting SC Standards, and EnviroScape. Due to Covid 19 restrictions, in person school programs were cancelled beginning in March 2020.
Milestone Year 6	Provided multiple youth programs within the region such as “That’s MY Truck”, a coloring contest which incorporated Stormwater Infrastructure equipment and how we use it to keep our County clean, 4-H Wetlands Project explores estuaries, marshes, and swamps, Engaging teachers in new watershed and stormwater curriculum meeting SC Standards, and EnviroScape and continue to be flexible to restrictions with Covid-19.
Milestone Year 7	Provide multiple youth programs within the region such as “That’s MY Truck”, a coloring contest which incorporated Stormwater Infrastructure equipment and how we use it to keep our County clean, 4-H Wetlands Project explores estuaries, marshes, and swamps, Engaging teachers in new watershed and stormwater curriculum meeting SC Standards, and EnviroScape and continue to be flexible to restrictions with Covid-19.
BMP F	MEASURABLE GOALS AND MILESTONES
Goals	Community Surveys
Milestone Year 1	Created community wide stormwater public knowledge on line survey to integrate which was advertised on television, radio, internet and hard copies at the libraries. Received over 600 responses which will be used to create the Counties. The County will use the results to assist in the POC.
Milestone Year 2	None
Milestone Year 3	None
Milestone Year 4	None
Milestone Year 5	None
Milestone Year 6	None
Milestone Year 7	None
BMP G	MEASURABLE GOALS AND MILESTONES
Goals	Public Input Opportunities
Milestone Year 1	Held 7 town hall meetings in various locations within the County in order to receive input on the BMP manual, stormwater master plan and ordinance. We had 83 citizens attend town hall meetings and received 60 comments from residences within all areas of the County. We have monthly Stormwater Utility Board meetings that allow the Public to present their concerns or suggestions.
Milestone Year 2	Planned, developed, presented, and participated in more than 10 community and public programs with emphasis on stormwater education. Provided resources to encourage continued learning and practice adoption. Presented programs that addressed pollution prevention and alternatives for a target audience, as per the region’s priorities. Developed and provided for the general public, within means, items such as banners and promotional giveaways to serve as a way to attract audiences and increase regional consortium visibility. [Note that the survey activity is captured in the BMP above.]
Milestone Year 3	Planned, developed, presented, and participated in more than 10 community and public programs with emphasis on stormwater education. Provided resources to encourage continued learning and practice adoption. Presented programs that addressed pollution prevention and alternatives for a target audience, as per the region’s priorities. Developed and provided for the general public, within means, items such as banners and promotional giveaways to serve as a way to attract audiences and increase regional consortium visibility. [Note that the survey activity is captured in the BMP
Milestone Year 4	Planned, developed, presented, and participated in more than 10 community and public programs with emphasis on stormwater education. Provided resources to encourage continued learning and practice adoption. Presented programs that addressed pollution prevention and alternatives for a target audience, as per the region’s priorities. Developed and provided for the general public, within means, items such as banners and promotional giveaways to serve as a way to attract audiences and increase regional consortium visibility.

Milestone Year 5	Planned, developed, presented, and participated in at least 10 community and public programs with emphasis on stormwater education. Provide resources to encourage continued learning and practice adoption. Present programs that addressed pollution prevention and alternatives for a target audience, as per the region's priorities. Develop and provide for the general public, within means, items such as banners and promotional giveaways to serve as a way to attract audiences and increase regional consortium visibility. Hosted the 2019 Lowcountry Pond Conference.
Milestone Year 6	Planned, developed, presented, and participated in 5 community and public programs with emphasis on stormwater education. Provide resources to encourage continued learning and practice adoption. Present programs that address pollution prevention and alternatives for a target audience, as per the region's priorities. Develop and provide for the general public, within means, items such as banners and promotional giveaways to serve as a way to attract audiences and increase regional consortium visibility.
Milestone Year 7	Plan, develop, present, and participate in 5 community and public programs with emphasis on stormwater education. Provide resources to encourage continued learning and practice adoption. Present programs that address pollution prevention and alternatives for a target audience, as per the region's priorities. Develop and provide for the general public, within means, items such as banners and promotional giveaways to serve as a way to attract audiences and increase regional consortium visibility. Hosted the 2021 Pond Conference
BMP H	MEASURABLE GOALS AND MILESTONES
Goals	Support and implement the Lowcountry Stormwater Partners regional stormwater outreach plan through Carolina Clear/Clemson.
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	Implement the activities identified in the LSP 2016-2018 Strategic Regional Stormwater Outreach Plan. Work with the LSPs to develop the strategic plan for 2018 – 2020.
Milestone Year 4	Implement the LSP Strategic Stormwater Outreach Plan.
Milestone Year 5	Implemented the LSP Strategic Stormwater Outreach Plan.
Milestone Year 6	Implemented the LSP Strategic Stormwater Outreach Plan and adapted and planned programs for current pandemic.
Milestone Year 7	Implement the LSP Strategic Stormwater Outreach Plan.

SECTION 2
PUBLIC INVOLVEMENT AND PUBLIC PARTICIPATION

1. Have (or will, within the first year of permit coverage,) the public been invited to participate in the development and implementation of all parts of the community's SWMP?

Yes No If no, explain

2. Are (or will, during the permit term) opportunities created for citizens to participate in the implementation of stormwater controls (e.g., stream clean-ups, storm drain stenciling, volunteer monitoring, and educational activities)?

Yes No If no, explain

3. Has the permittee (or will, during the permit term,) ensured that the public can easily find information about the SMS4 SWMP? If available in the web, provide link

Yes No <http://www.clemson.edu/public/carolinaclear>

4. Are (or will) written procedures for implementing the **Public Involvement / Participation** MCM incorporated into the SWMP?

Yes No If no, explain

Complete Tables 1, 2, and 3 (BMP Measurable Goals and Milestones) in the addendum of this NOI. Identify and outline measurable goals and milestones. Attach completed Section 2 tables to this NOI.

ADDENDUM

TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES

These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION TWO

TABLE 1: BMP MEASURABLE GOALS AND IMPLEMENTATION MILESTONES

	Name	DESCRIPTION
A.	Storm Drain Stenciling	Install new drain markers via volunteers by advertising at events, community meetings.
B.	Public Meetings/Citizen Panels	Set up formal advertised meetings in various areas of the County to that the County can present SW information and gain citizen input and can raise concerns and/or problems
C.	Community Clean Ups	Set up formal community clean up days for cleaning trash and debris for roadsides, ditches, etc. in the watershed areas
D.	LSP Strategic Plan	Support and implement the Lowcountry Stormwater Partners (LSP) regional stormwater outreach plan through Carolina Clear/Clemson. The outreach plan encompasses many of the activities and audiences identified in BMPs A-C above. Beginning in year 3, the County will implement public education and outreach primarily through the LSP initiative to be consistent other MS4s in Beaufort County, to streamline reporting and to adapt to local needs more effectively.

TABLE 2: ADMINISTRATIVE INFORMATION

PRIMARY CONTACT	POSITION OR TITLE
Neil Desai, PE Katie Herrera	Public Works Director Stormwater Manager
OTHER DEPARTMENT	ROLE
Clemson University/Carolina Clear	Clemson University will assist County staff with various levels of expertise concerning stormwater compliance requirements as promulgated by SC DHEC and USEPA; and PUBLIC awareness and education about natural resources is crucial to the process of protecting and restoring water quality.

BEST MANAGEMENT PRACTICES (BMPs) MEASURABLE GOALS AND IMPLEMENTATION MILESTONES (Continued)	
GOVERNMENT ENTITY	ROLE
Beaufort County SW Utility	Primary responsible party
OTHER INSTITUTION	ROLE
Clemson University/Carolina Clear	<p>Clemson University will assist County staff with various levels of expertise concerning stormwater compliance requirements as promulgated by SC DHEC and USEPA; and PUBLIC awareness and education about natural resources, as public education is crucial to the process of protecting and restoring water quality.</p> <p>Clemson will deliver public education and outreach and public involvement/participation with a goal to influence a more aware and involved public in regards to stormwater management decisions. The educational programs will include components designed for various residential and commercial audiences and others targeted for their impact to stormwater and nonpoint source pollution. This effort will be delivered through various means. Events will be held at available facilities in such a way to reach diverse and regionally distributed audiences. Such instruction may include the furnishing of informational handouts, instructional manuals, promotional materials, webpages, logos, slogan, symbols, and similar such materials, as deemed appropriate by Clemson and the County.</p>
EQUIPMENT NEEDS (IF APPLICABLE)	
Storm drain markings	
GROUP	TARGET DESCRIPTION
County	Organize and promote marker installation events

ADDENDUM TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI) BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES <i>These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)</i>	
SECTION TWO	
TABLE 3: BEST MANAGEMENT PRACTICES	
<p>The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures.</p> <p>Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP.</p> <p>For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year. Also, certain BMPs - e.g., an ordinance - should be put in place within one year.</p>	
BMP A	MEASURABLE GOALS AND MILESTONES
Goals	Storm Drain Marker Program
Milestone Year 1	Installed 244 storm drain markers and reached 412 residences.
Milestone Year 2	Identify groups (e.g. Boy & Girl Scouts, Service clubs, etc.) that can provide volunteers to place markers on SW structures. Goal – Complete 25% of SW structures in the County. 58 drain markers were installed. Additional advertisement to encourage public involvement is needed to achieve better public participation. To ensure all drains are marked the County may allow in house staff to place markers since public involvement for this task has been very limited.

Milestone Year 3	Installed 30 storm drain markers. Worked to identify additional groups that may be willing to participate in installing markers.
Milestone Year 4	Installed 28 storm drain markers. Worked to identify additional groups that may be willing to participate in installing markers.
Milestone Year 5	Reevaluated storm drain marker program with strategic plan being updated for 2020-2023.
Milestone Year 6	No planned storm drain marker programs for 2021 based on previous years efforts.
Milestone Year 7	No planned storm drain marker programs planned for 2022 based on previous years efforts.
BMP B	MEASURABLE GOALS AND MILESTONES
Goals	Public Meeting Citizen Participation Panels
Milestone Year 1	Held 7 town hall meetings in various locations within the County in order to receive input on the BMP manual, stormwater master plan and ordinance. We had 83 citizens attend town hall meetings and received 60 comments from residences within all areas of the County. We have monthly Stormwater Utility Board meetings that allow the Public to present their concerns or suggestions. Established and documented procedures for advertising Citizen Input meeting, conducting such meeting, areas to be targeted, program for such event Goal – Conduct first event.
Milestone Year 2	The County has monthly Stormwater Utility Board meetings and quarterly Lowcountry Stormwater Partners (Clemson) meetings. The meetings are open to the public and televised to allow citizen input.
Milestone Year 3	The County held monthly Stormwater Utility board meetings and quarterly Lowcountry Stormwater Partner meetings. The meetings are open to the public to allow citizen input, with the Stormwater Utility Board meetings being televised.
Milestone Year 4	The County held monthly Stormwater Utility Board meetings and quarterly Lowcountry Stormwater Partner meetings. The meetings are open to the public to allow citizen input, with the Stormwater Utility Board meetings being televised.
Milestone Year 5	The County held monthly Stormwater Utility Board meetings and quarterly Lowcountry Stormwater Partner meetings. The meetings are open to the public to allow citizen input, with the Stormwater Utility Board meetings being televised, as well as shared live on the Beaufort County Facebook Page.
Milestone Year 6	The County will hold 5 Stormwater Utility Board meetings and quarterly Lowcountry Stormwater Partner meetings. The meetings will be open to the public to allow for citizen input, with the Stormwater Utility Board meetings being televised.
Milestone Year 7	The County will hold 7 Stormwater Utility Board meetings and 6 Lowcountry Stormwater Partner meetings. The meetings will be open to the public to allow for citizen input, with the Stormwater Utility Board meetings being televised.
BMP C	MEASURABLE GOALS AND MILESTONES
Goals	Community Clean Up Days
Milestone Year 1	Create and document a Community Cleanup program, identify liabilities and responsibilities, insurance requirement, areas to be targeted, traffic and pedestrian protection procedures, collection and disposal of bags, etc. Goal – Written program in year one.
Milestone Year 2	Organized teams in targeted areas, advertised and promoted cleanup days, provided on-site program management, arranged for collection and disposal, etc. Goal – two cleanup program trials, assess results and modify program as may be necessary. Clemson prepared an annual report detailing milestones achieved in Year 2.
Milestone Year 3	Organized teams in targeted areas within Beaufort County, provided on-site program management, arranged for collection and disposal. Clemson prepared an annual report detailing milestones achieved in Year 3.
Milestone Year 4	Organized teams in targeted areas within Beaufort County, provided on-site program management, arranged for collection and disposal. Clemson prepared and annual report detailing milestones achieved in Year 4.
Milestone Year 5	The County hosted one small scale clean up event during 2020, prior to group events being cancelled with 10 individuals for a total of 45 bags of trash collected. Clemson prepared an annual report detailing milestones achieved in Year 5.

Milestone Year 6	Organize teams in targeted areas within Beaufort County, provide on-site program management, arrange for collection and disposal. Clemson will prepare an annual report detailing milestones achieved in Year 6. A creek cleanup is tentatively planned for late Spring 2021 as well as a cleanup in late Fall 2020.
Milestone Year 7	The County will host two clean up efforts, one in the spring and one in the Fall of 2022 targeting trash to prevent them from entering our waterways.
BMP D	MEASURABLE GOALS AND MILESTONES
Goals	Support and implement the Lowcountry Stormwater Partners regional stormwater outreach plan through Carolina Clear/Clemson.
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	Implement the activities identified in the LSP 2016-2018 Strategic Regional Stormwater Outreach Plan. Work with the LSPs to develop the strategic plan for 2018 – 2020.
Milestone Year 4	Implement the LSP Strategic Stormwater Outreach Plan.
Milestone Year 5	Implemented the LSP Strategic Stormwater Outreach Plan.
Milestone Year 6	Implemented the LSP Strategic Stormwater Outreach Plan.
Milestone Year 7	Implement the LSP Strategic Stormwater Outreach Plan.

**SECTION 3
ILLCIT DISCHARGE DETECTION AND ELIMINATION**

The following are common sources of illicit discharges to an MS4:

- Sanitary Wastewater
- Car wash wastewaters
- Radiator flushing disposal
- Spills from roadway accidents
- Carpet cleaning wastewaters
- Effluent from septic tanks
- Improper oil disposal
- Laundry Wastewaters/gray water
- Improper disposal of auto and household toxics

STORM SEWER SYSTEM MAP

Does the MS4 currently have a storm sewer system map completed for the entire regulated municipal separate storm sewer system? The map must depict, at a minimum: city streets, topography or drainage patterns, streams, and outfalls (points where the city or county-operated MS4 discharges into the streams or adjacent MS4s).

Yes No If no, explain

Beaufort County has a working map that has storm structures identified. The map is constantly being updated to capture new stormwater structures and address all parameters mentioned above.

PRIORITY AREAS, FIELD SCREENING, TRACING AND ELIMINATION OF ILLICIT DISCHARGES

Has (or will, within the first year of permit coverage,) the MS4 identified priority areas documenting its basis for the selection?

Yes No If no, explain

Does the MS4 currently have (or will have) written field screening and analytical protocol to detect and eliminate illicit discharges to the MS4 within one year from the effective date of coverage?

Yes No If no, explain

See BMP SoLoCo Manual Appendix T.

Does the MS4 currently have procedures for tracing the source of an illicit discharge?

Yes No If no, explain

See BMP SoLoCo Manual Appendix T.

INSPECTION/SCREENING AND ENFORCEMENT PROCEDURES

1. Does the MS4 presently have personnel and procedures in place for inspection and/or screening for non-stormwater discharges? If yes, please describe and indicated percentage of system inspected and/or screened.

Yes
No

As of Dec. 31, 2021, It is estimated that 92.99% of the system has been mapped, inventoried, and inspected for condition assessment.

2. Does the MS4 presently have procedures and personnel in place for enforcement of violations of the illicit discharge ordinance? If yes, please describe.

Yes
No

See the Stormwater Ordinance in BMP SoLoCo Manual Appendix T. There have been no changes since Year 1. Stormwater staff were designated Public Works Enforcement Officers in 2021 to issue violations.

3. How are enforcement actions documented?

Enforcement actions are documented in our permitting and inspection database.

4. Has the MS4 defined "hot spots" for non-stormwater discharge screening and inspections? If yes, please describe and provide a map of illicit discharge screening priority areas.

Yes

Mapped in Year 1 and again in Year 3. Utilizing DHEC information regarding shellfish bed status, as well as local water authority maps, two locations within the MS4 boundary have been identified as potential hot spots for our illicit discharge screening priority areas.

PUBLIC INPUT AND COMPLAINTS

1. Does the MS4 presently have procedures in place to receive and consider information and complaints about non-stormwater discharges that are submitted by the public? If so, provide brief description: responsible departments, personnel, steps followed.

Yes

The General Public, municipalities and in house staff can submit a complaint through a new citizen “connect” app. that was created to assist in reporting non-stormwater discharges. The app. will allow the complaints to be identified by type of discharge such as: automobile fluids, chemicals, construction site runoff, restaurant grease trap, SSO, yard clippings etc. The County will disburse the complaint to the appointed staff members to investigate complaint. The application will allow the County to run reports to track complaints.

No

EDUCATION

1. Has the MS4 educated the public and businesses including, but not limited to, auto parts supply, auto repair shop and restaurants, regarding ways to detect, prevent and eliminate illicit discharges? If yes, briefly describe the educational materials, including media used (e.g., written brochures, public service announcements, etc.), the topic(s) covered, intended target audience(s), and the distribution method.

Yes

Clemson University/Carolina Clear and Consortium utilizes their website, Facebook and blogs to provide Stormwater Information and Education Website, with links to other programs (both public and private) that promote water quality and preservation practices. Utilize mass media outlets to provide statewide education at an increased cost-effectiveness; as needed, locally utilize mass media such as newspapers, radio, interviews and advertisements to address specific needs. Created billboards banners and promotional giveaways to provide education on POC which served as a way to attract audiences and increase regional consortium visibility. New brochures were created for distribution at the landfills to increase education on how to properly dispose of household chemicals.

No

ILLICIT DISCHARGE ORDINANCES

1. Does the MS4 currently have an ordinance or regulatory mechanism that prohibits non-stormwater discharges into the storm sewer system? If yes, please attach a copy of the ordinance and give page number(s) of this section of ordinance. If No, proceed to the next section (inspections and enforcement).

Yes

No

SoLoCo Manual
Appendix A

Page Number

99-202

Ordinance Section Number

2. Does the ordinance or regulatory mechanism clearly define non-stormwater discharges, either through a written description of a non-stormwater discharge or through a listing of unallowable or allowable non-stormwater discharges?

Yes

No If no, explain

3. Does the ordinance or regulatory mechanism allow right-of-entry on private property for inspection of suspected discharges?

Yes

No If no, explain

4. Does the ordinance or regulatory mechanism prohibit dumping?

Yes

No If no, explain

5. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to eliminate non-stormwater discharges in the event of violations? If yes, please note page number and paragraph number.

Yes

No

SoLoCo Manual
Appendix A

Page Number

Sec. 99-502

Paragraph Number

6. What is maximum penalty in ordinance or regulatory? Please note maximum penalty, page number and paragraph number.

Yes

No

Criminal

Max. Penalty

\$1000.00

SoLoCo Manual
Appendix A

Sec.99-113

Paragraph Number

7. Does the MS4 have ordinance or other regulatory mechanism that prohibits contamination of stormwater runoff from "hot spots" including industrial and commercial properties, restaurants, auto repair shops, auto supply shops, and large commercial parking areas?

Yes

No If no, explain

Complete Tables 1, 2, and 3 (BMP Measurable Goals and Milestones) in the addendum of this NOI. Identify and outline measurable goals and milestones. Attach completed Section 1 tables to this NOI.

ADDENDUM

**TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES**

These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION THREE

TABLE 1: BMP MEASURABLE GOALS AND IMPLEMENTATION MILESTONES

	Name	DESCRIPTION
A.	Adequate Legal Authorities	An ordinance was adopted and the current SoLoCo manual was approved and meets all sections of 4.1.4.2 and was attached to the NOI.
B.	Develop Outfall Inventory Map	The County completed 50% of the outfall inventory map in 2017. Continue to map and inspect 25% per year until complete. As of October 1, 2019 December 31, 2021 it is estimated that 92 99 % of Beaufort County has been mapped.
C.	Outfall Screening for Illicit Discharges	<p>The General Public, municipalities and in house staff can submit a complaint through a new citizen "connect" app. that was created to assist in reporting non-stormwater discharges. The app. will allow the complaints to be identified by type of discharge such as: automobile fluids, chemicals, construction site runoff, restaurant grease trap, SSO, yard clippings etc. The County will disburse the complaint to the appointed staff members to investigate complaint.</p> <p>The County has developed a dry weather screening program and have attached the standard operating procedures in accordance with 4.2.3.2.3.a ii. In addition, we have included the proposed locations for dry weather screening and how we determined location and equipment used. Also, include is the proposed locations of the dry weather screening, explanation on how we determined the location and equipment used.</p>
D.	Prioritize Other Potential Illicit Discharges and Non-storm Water Discharges	The County has prioritized the illicit discharge screening schedule based on the last years monitoring results, septic tank locations, current land use and the most recent survey results. Prioritization will be updated based on revised permit boundary and complaint history. The County has developed an illicit discharge detection elimination program that addresses section 4.2.3.2.3.a ii and was attached with the NOI.
E.	Education on Illicit Discharges	Clemson University/Carolina Clear and Consortium utilizes their website, Facebook and blogs to provide Stormwater Information and Education Website, with links to other programs (both public and private) that promote water quality and preservation practices. Utilize mass media outlets to provide statewide education at an increased cost-effectiveness; as needed, locally utilize mass media such as newspapers, radio, interviews and advertisements to address specific needs. Created billboards banners and promotional giveaways to provide education on POC which served as a way to attract audiences and increase regional consortium visibility. New brochures were created for distribution at the landfills to increase education on how to properly dispose of household chemicals.

F.	Enforcement	Enforcement policy has been adopted as part of our new stormwater ordinance section 99-501 to 99-504 - Requirements for on-site stormwater systems: enforcement, methods and inspections.
G.	Monitoring Plan	The County has developed a monitoring plan based on the findings from several methods. See Appendix C BMP Manual. We have completed a survey, compiled historical monitoring data, compared last 10 years of land use, location of septic tanks, TMDL and impaired water bodies as the basis of our monitoring program. The monitoring plan will be updated to include the TMDLs in the expanded permit boundaries.
H.	Staff Training on IDDE	Educate staff about IDDE protocols found in BMP Manual to all applicable staff, including inspectors, field personnel, and facility operators.
I.	Stormwater System Asset Mapping	Map the stormwater system throughout the County's unincorporated area. Map and inspect at least 25% of the system per year. The current BMP manual requires new and redevelopment to provide as-builts prior to receiving certificate of completion. This stormwater information will be included in the overall stormwater system asset map to better manage the system and track IDDEs.

TABLE 2: ADMINISTRATIVE INFORMATION

PRIMARY CONTACT	POSITION OR TITLE
Neil Desai, PE Katie Herrera	Public Works Director Stormwater Manager
OTHER DEPARTMENT	ROLE
Stormwater Regulatory	MS4 Coordinator and Stormwater Inspectors
BEST MANAGEMENT PRACTICES (BMPs) MEASURABLE GOALS AND IMPLEMENTATION MILESTONES (Continued)	
GOVERNMENT ENTITY	ROLE
Beaufort County SW Regulatory	Neil Desai, PE, Public Works Director Katie Herrera, Stormwater Manager
OTHER INSTITUTION	ROLE
Carolina Clear Clemson University	Ellen, Comeau Coordinator working with all Municipalities in Beaufort County
EQUIPMENT NEEDS (IF APPLICABLE)	
Sampling Equipment	
GROUP	TARGET DESCRIPTION
Beaufort County Stormwater Utility	Equipment necessary for sampling
USCB	Routine and special projects water quality sample collection, Lab services

SECTION THREE

TABLE 3: BEST MANAGEMENT PRACTICES

The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures.

Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP.

For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year. Also, certain BMPs - e.g., an ordinance - should be put in place within one year.

BMP A	MEASURABLE GOALS AND MILESTONES
Goals	<p>Within 24 months of the effective date of this permit, develop an ordinance, or other regulatory mechanism, adequate legal authorities to meet the objectives of the Illicit Discharge Stormwater Management Program consistent with Sections 4.2.3.2.5 and 4.2.3.2.7 of SCRO300000</p> <p>Establish the authority to request information such as stormwater plans, inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Illicit Discharge Stormwater Management Program.</p> <p>Establish the authority to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater illicit discharges to determine whether there is compliance of the Illicit Discharge Stormwater Management Program.</p> <p>Establish the authority to issue violations to determined establishments and/or owners when illicit discharges and/or non-storm water discharges are determined.</p>
Milestone Year 1	Developed and adopted a new stormwater ordinance setting forth the illicit discharge program, requiring implementation and continued maintenance of outfall inventory data collection. The ordinance included necessary authorities for determining illicit discharges and non-storm water discharges, outfall screening, authority to enter public or private property with outfalls, trace illicit discharges to source, and enforcement.
Milestone Year 2	Complete development of ordinance setting forth the illicit discharge program, requiring implementation and continued maintenance of outfall inventory data collection. Implemented ordinance and continued progress with programs authorized in the ordinance.
Milestone Year 3	Implemented ordinance setting forth the illicit discharge program, requiring implementation and continued maintenance of outfall inventory data collection.
Milestone Year 4	Continued implementation of ordinance setting forth the illicit discharge program, requiring implementation and continued maintenance of outfall inventory data collection.
Milestone Year 5	Reviewed and reassessed ordinance.
Milestone Year 6	Continued implementation of ordinance setting forth the illicit discharge program, requiring implementation and continued maintenance of outfall inventory data collection. Updates to the ordinance will be made in January 2021. The County will provide updated language in the next Annual Report. Updates were made to the ordinance, but not to the IDDE section.
Milestone Year 7	Continue implementation of ordinance setting forth the illicit discharge program, requiring implementation and continued maintenance of outfall inventory data collection.
BMP B	MEASURABLE GOALS AND MILESTONES
Goals	Develop procedures for field data collection activities and administration tasks for new development. Implement inventory collection of County owned outfalls. Complete overall inventory map and continue to update map as construction plans are approved and developments are constructed.
Milestone Year 1	Inspected 25% off all outfalls. Developed procedures for field data collection activities and administration tasks for data collection of new development. All development will be required to submit as-builts prior to issuance of the certificate of completion. The new stormwater permit data base will allow the staff to track new BMP's that are constructed during monthly or annual inspection. The Stormwater Department also purchased a video camera that will be able to provide field data on possible stormwater pipe failures. All BMP's will be required to record a maintenance agreement.

Milestone Year 2	Inspected 100% of the known storm sewer system within the County after Hurricane Matthew including stormwater infrastructure pipes and outfalls.
Milestone Year 3	Inventoried another 25% of County owned outfalls. Continue to update map as new development and/or changes occur.
Milestone Year 4	Continued inventory of County owned outfalls, estimated to be 85% complete with County area. Continued to update map as new development and/or changes occur.
Milestone Year 5	Continued inventory of outfalls, estimated to be 92% complete within County area. Reviewed and reassessed process for ensuring new development and/or changes are mapped.
Milestone Year 6	Continued inventory of last 8% of outfalls. Continue to update map as new development and/or changes occur.
Milestone Year 7	Continue to inventory any new infrastructure put in. It is estimated 99% of the County has been mapped for compliance purposes.
BMP C	MEASURABLE GOALS AND MILESTONES
Goals	Determine a list of significant illicit discharges. Develop and implement procedures for conducting outfall screening with scheduled visits of all outfalls to locate the problem, determine the source of the problem, remove/correct the illicit discharge, organize data collected, and report illicit discharges determined.
Milestone Year 1	Participated in a survey to determine list of significant illicit discharges. Developed procedures for conducting outfall screening with scheduled visits of all outfalls. Report illicit discharges in annual report.
Milestone Year 2	Implemented outfall screening and inspections of reported violations to determine source of illicit discharge. Performed 23 inspections and created documentation in Munis. Results are reported in annual report.
Milestone Year 3	Performed 11 inspections and created documentation within MUNIS and the BC Connect app. Results are reported in annual report.
Milestone Year 4	Continued to implement conducting outfall screening and determine source of illicit discharge. Performed 13 inspections and created documentation within MUNIS and the BC Connect app. Results are reported in annual report.
Milestone Year 5	Continued to implement outfall screening and determining sources of illicit discharges. Conduct outfall screening with a schedule to visit all outfalls during the permit term. Performed 13 inspections and created documentation within MUNIS and BC Connect app. Maintained records of all data collected.
Milestone Year 6	Continued to implement conducting outfall screening and source of illicit discharges. Continue documentation in MUNIS, Energov, and BC Connect app. Maintain records of all data collected.
Milestone Year 7	Continue to implement conducting outfall screening and source of illicit discharges. Continue documentation in BC Connect app. Maintain records of all data collected.
BMP D	MEASURABLE GOALS AND MILESTONES
Goals	Determine a list of other potential illicit discharges, non-storm water discharges and incidental non-storm water discharges. Prioritize and establish procedures to evaluate the list of other potential illicit discharges and non-storm water discharges.
Milestone Year 1	Completed survey and held a strategic planning meeting with all local municipalities to identify behaviors that contribute to stormwater pollution as well as audiences that need additional education about stormwater pollution and particular areas of concerns.
Milestone Year 2	Implement procedures for determining list of other potential illicit discharges, non-storm water discharges and incidental non-storm water discharges.
Milestone Year 3	Prioritized investigations for the other potential illicit discharges, non-storm water discharges, and incidental non-storm water discharges.
Milestone Year 4	Begin investigating for other potential illicit discharges, non-storm water discharges, and incidental non-storm water discharges.
Milestone Year 5	Continued investigating for other potential illicit discharges, non-storm water discharges, and incidental non-storm water discharges.

Milestone Year 6	Continued investigating for other potential illicit discharges, non-stormwater discharges, and incidental non-stormwater discharges found in the field and as reported by citizens.
Milestone Year 7	Continue investigating for other potential illicit discharges, non-stormwater discharges, and incidental non-stormwater discharges both found in the field as well as reported by citizens.
BMP E	MEASURABLE GOALS AND MILESTONES
Goals	Establish education and training to the public on illicit discharges.
Milestone Year 1	The five major pollutants based on the strategic planning effort with Carolina Clear are the following: Post Construction, run off volume, littering, bacteria (septic tanks and SSO) and fertilizer. We have determined the target audience for each pollutant of concern and will continue education and training of the public.
Milestone Year 2	Continued education and training to the public.
Milestone Year 3	Continued education and training to the public. Made it easier for public to report accurate illicit discharge complaints through education with our app, BC Connect.
Milestone Year 4	Continued education and training with the public. Made it easier for public to report accurate illicit discharge complaints through education with our app, BC Connect.
Milestone Year 5	Continued education and training with the public. Due to Covid 19, planned trainings after March 2020 were cancelled. Public able to report issues virtually through both our Stormwater management feedback
Milestone Year 6	Continued education and training with the public. Public able to report issues virtually through both our Stormwater management feedback page online as well as through our BC Connect app.
Milestone Year 7	Continue education and training with the public. Public able to report issues virtually through both our Stormwater management feedback page online as well as through our BC Connect app.
BMP F	MEASURABLE GOALS AND MILESTONES
Goals	Track the issuance of notices of violation and enforcement actions. This mechanism shall include the ability to identify chronic violators for initiation of actions to reduce noncompliance.
Milestone Year 1	Enforcement policy has been adopted as part of our new stormwater ordinance section. Sec. 99-501 to 99-504. - Requirements for on-site stormwater systems: enforcement, methods and inspections. A database was also created to track illicit discharge and enforcement. The database will also provide reports to assist in determining if an area has consistent violations.
Milestone Year 2	Notices of violation and enforcement actions have begun to be tracked through MUNIS.
Milestone Year 3	Continued to track issuance of notices of violations and enforcement actions through MUNIS as well as monthly reports to the Stormwater Utility Board.
Milestone Year 4	Continued to track issuance of notices of violations and enforcement actions through MUNIS as well as monthly reports to the Stormwater Utility Board.
Milestone Year 5	Continued to track issuance of notices of violations and enforcement actions through MUNIS as well as monthly reports to the Stormwater Utility Board. Reviewed and reassessed procedures and database.
Milestone Year 6	Continued to track issuance of notices of violations and enforcement actions through MUNIS and Energov as well as monthly reports to the Stormwater Utility Board.
Milestone Year 7	Continue to track issuance of notices of violations and enforcement actions through MUNIS and Energov as well as monthly reports to the Stormwater Utility Board.
BMP G	MEASURABLE GOALS AND MILESTONES
Goals	Measure pollutant levels discharged from identified outfalls to water bodies subject to TMDL.
Milestone Year 1	The County has several watersheds within the County that are impaired and one TMDL. The Okatie River TMDL is identified as having an impairment for fecal. The TMDL has over 10 years of data that is being analyzed to determine possible sources of pollutants such as: wild life, agriculture and failing septic tanks. Developed a TMDL Monitoring and Assessment Plan for discharges of concern located in the TMDL watershed draining to impaired WQMS.
Milestone Year 2	Determined a schedule for implementing the developed TMDL Monitoring and Assessment Plan. Developed procedures for implementation of water quality monitoring and monitoring database and implement procedures (30 months). Began analysis of historical data to determine trends and loading by looking at the TMDL watershed, Okatie River.

Milestone Year 3	Continued to implement monitoring schedule and database. Report data and findings of water quality monitoring to DHEC. Update Monitoring Plan for expanded jurisdiction due to change to Permit by Rule.
Milestone Year 4	Implemented newly developed monitoring schedule and database developed for jurisdiction added by change in permit by rule. Continued to report data and findings of water quality monitoring to DHEC.
Milestone Year 5	Continued to implement monitoring schedule and database. Report data and findings of water quality monitoring to DHEC.
Milestone Year 6	Evaluate monitoring data to begin creating action plans for Okatie River Watershed and Chechessee-Creek Watershed.
Milestone Year 7	Continue to implement monitoring schedule and database. Report data and findings of water quality monitoring to DHEC.
BMP H	MEASURABLE GOALS AND MILESTONES
Goals	Staff training on IDDE
Milestone Year 1	
Milestone Year 2	Develop training materials. Train staff. Provided training program webinar developed by SESWA to applicable county staff and inspectors.
Milestone Year 3	Provided annual refresher training and full training for new staff.
Milestone Year 4	Provided annual refresher training and full training for new staff.
Milestone Year 5	Provided annual refresher training and full training for new staff.
Milestone Year 6	Provided annual refresher training and full training for new staff.
Milestone Year 7	
BMP I	MEASURABLE GOALS AND MILESTONES
Goals	Map the County owned storm sewer system.
Milestone Year 1	Developed procedures for mapping and condition assessment of the storm sewer system. GIS created data collection software tools and inventory protocols.
Milestone Year 2	Map and assess 25% of stormwater management system. Report “poor” condition areas to the SW Superintendent. Add new stormwater system components accepted in new developments through the as-built process.
Milestone Year 3	Mapped and assessed 25% of stormwater management system. Report “poor” condition areas to the SW Superintendent. Add new stormwater system components accepted in new developments through the as-built process.
Milestone Year 4	Mapped and assessed 85% of stormwater management system County wide. Report “poor” condition areas to the SW Superintendent. Newly built County infrastructure was added to County’s inventory database.
Milestone Year 5	Mapped and assessed remaining 15 7% of stormwater management systems County wide. Reported “poor” condition areas to the SW Superintendent. Added new stormwater system components accepted in new developments through the as-built process and into the County’s inventory database.
Milestone Year 6	Mapp and assessed remaining 8% of Stormwater management systems County wide. Report “poor” condition areas to the SW Superintendent. Add new Stormwater system components accepted in new developments through the as-built process and into the County’s inventory database.
Milestone Year 7	Report “poor” condition areas to the SW Superintendent. Add new Stormwater system components accepted in new developments through the as-built process and into the County’s inventory database.

SECTION 4
 CONSTRUCTION SITE RUNOFF PROGRAM
 CONSTRUCTION SITE RUNOFF ORDINANCES

1. Do the current ordinances/regulations for the municipal stormwater management program comply with Local, State and Federal public notice requirements? If yes, describe how the public is notified.

Yes
 No

Please see attached section Sec. 99-211. of the Stormwater Ordinance which explains how the Public is notified.

2. Do you currently have an erosion prevention and sediment control - or similar - ordinance or regulatory mechanism? If yes, include a copy and reference the page number(s). If No, proceed to the next set of questions below about construction site plans review.

Yes No

Sec. 99-201 Appendix A-17,18 and Sec. 99-309 Appendix A SoLoCo Manual Page Number

3. Does the ordinance or regulatory mechanism require that site operators implement erosion prevention, sediment control, soil stabilization practices and other controls for land disturbance activities?

Yes No If no, explain

4. Does the ordinance/regulatory mechanism require (explicitly or implicitly) that controls be implemented for any land disturbances greater than or equal to one acre, or less than one acre if part of a large common plan of development or sale that would disturb one acre or more? If yes, note the page number and paragraph number where this is defined.

Yes No **CH 3 44** Page Number **3.2.** Paragraph Number

5. Does the ordinance or regulatory mechanism contain or reference technical standards for erosion and sediment control? If yes, note the page number and paragraph number where this is defined.

Yes No **CH 5 301** Page Number **5.4** Paragraph Number

6. Do those technical standards meet with or exceed the current SC DHEC construction general permit sections 3.5 and 4.4?

Yes No

7. Do technical standards require that construction activities maintain temporary water quality buffers during construction?

Yes No

8. Does the ordinance or regulatory mechanism clearly define the criteria - primarily who must submit - for submitting erosion and sediment control information or plans? If yes, note page number and paragraph number

Yes No **CH 2 33** Page Number **2.2** Paragraph Number

9. Does the ordinance or regulatory mechanism require approval by the local government prior to commencement of land disturbance activities? If yes, note page number and paragraph number.

Yes No **CH 2 38** Page Number **2.3.2** Paragraph Number

10. Does the ordinance or regulatory mechanism require re-submittal of erosion and sediment control information or plans if site plans or conditions change during land disturbance activities? If yes, note page number and paragraph number.

Yes No **CH 2 36** Page Number **2.2.1** Paragraph Number

11. Does the ordinance or regulatory mechanism allow right-of-entry for government officials onto construction sites for inspections? If yes, note page number and paragraph number.

Yes No **A - 29** Page Number **99-501** Paragraph Number

12. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to STOP WORK in the event of non-compliance violations? If yes, note page number and paragraph number.

Yes No **A-31** Page Number **99-501** Paragraph Number

13. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to effectively prohibit the discharge of pollutants in wash waters, from washouts, in stormwater runoff and from leaks and spills? If yes, note page number and paragraph number.

Yes No **A-27** Page Number **99-400** Paragraph Number

CONSTRUCTION SITE PLANS REVIEW

1. Does the MS4 presently have in place a technical review process with approval conditioned to meeting all requirements contained in parts 4.2.4 & 5 of the permit (i.e. engineering department, planning department, zoning board) that evaluates new development and redevelopment construction for construction site runoff?

Yes No If no, explain

2. Does the technical review process require an erosion prevention and sediment control plan to protect water quality with appropriate BMP rationale?

Yes No If no, explain

3. Does the review process include a requirement for pre-construction meeting between the MS4 and site developer, for priority construction sites, including at a minimum those construction activities discharging directly into, or immediately upstream of, waters the state recognizes as impaired or high quality?

Yes No If no, explain

4. If there is a review process, provide a brief narrative or a flow chart of the process, describing the process steps, responsible personnel qualifications (by department, title and contact person), and criteria used for evaluation of information or plans that are submitted.

Yes No If no, explain

The review process starts with the Community Development Department. This department distributes construction plans to the Stormwater Department for review. New and redevelopment plans cannot be approved without approval by the Stormwater Department. This process is illustrated in the BMP Manual in Appendix B-1. SoLoCo Manual in CH 3

RESPONDING TO PUBLIC INPUT AND COMPLAINTS

1. Does the MS4 presently have procedures in place for receipt and consideration of information and complaints submitted by the public?

Yes No

If Yes, please provide a brief narrative of the receipt process and procedures, describing process steps, responsible departments, and personnel (by title). If available, provide information on complaint tracking, documentation, etc:

Before development and permit approval, the public input and complaints are received by the Community Development Department from the public calling the number on the public notice. After construction, complaints are differeed to the Stormwater Utility Department which will resolve the problem by involving the necessary department, Engineering and/or Public Works. A citizen "connect" app. has been created for the public to notify the County of concerns in the area. The complaints will be tracked in a new data base.

ENFORCEMENT AND INSPECTION PROCEDURES

1. Does the MS4 presently have personnel and procedures in place for construction site runoff inspection?

Yes No If no, explain

2. Does the program provide for monthly inspection of priority sites?

Yes No If no, explain

3. Does the MS4 presently have procedures and personnel in place for enforcement to the maximum extend for violations of construction site requirements?

Yes No If no, explain-

4. Does the MS4 use a STOP WORK order to enforce non-compliance with construction site policies and requirements?

Yes No If no, explain

5. How are enforcement actions documented?

A County Stormwater CEPSCI certified employee will issue enforcement violations and violations are tracked. The County is transitioning to a new database to track inspections and enforcement more efficiently.

TRAINING AND EDUCATION

1. Does the MS4 presently make construction site runoff control training/information available to the public, developers, engineers, and contractors? (Clemson University periodically provides training through its Certified Erosion Prevention & Sediment Control Inspection (CEPSCI) course. Local governments are encouraged to refer developers and contractors to these classes.)

Yes

No If no, explain

2. Has MS4 staff completed states approved training, such as the Clemson CEPSCI program? Enter the number either way

Yes If yes, how many?

No

5 County Staff

Complete Tables 1, 2, and 3 (BMP Measurable Goals and Milestones) in the addendum of this NOI. Identify and outline measurable goals and milestones. Attach completed Section 1 tables to this NOI.

ADDENDUM

**TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES**

These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION FOUR

TABLE 1: BMP MEASURABLE GOALS AND IMPLEMENTATION MILESTONES

	Name	DESCRIPTION
A.	Revise Stormwater Management Ordinance/ Adequate Legal Authority	<p>Revised stormwater management ordinance, or other regulatory mechanism, to adequate and clearly state the legal authorities to meet the objectives of the construction site runoff requirements for the Stormwater Management Program.</p> <p>Established the legal authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater runoff control measures will be installed, implemented, and maintained during construction.</p> <p>Established the authority to request information such as stormwater plans, inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Construction Site Runoff Stormwater Management Program.</p> <p>Established the authority to enter private and public property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to construction sites with devices to control erosion and sediment control and other waste at site.</p>
B.	Erosion and Sediment and Other Waste at the Site Control Requirements	Developed requirements for the implementation of appropriate BMPs on a construction site to control erosion and sediment and other waste at the site.
C.	Revise Plan Review Procedures	Developed plan review procedures to determine if the construction site is in compliance with erosion control requirements determined by the County. Set requirements and procedures for a pre-construction meeting and tracking of current construction activities for the County and the public.
D.	Revise Site Inspection Procedures and Penalties	<p>Developed a BMP manual and Stormwater Ordinance to ensure that all erosion control measures meet the County's performance standards to control erosion and sediment and other waste at site. The County developed and implemented a written inspection program for construction site controls installed pursuant to the County's construction site runoff control program.</p> <p>The County also created a database to document and maintain records of inspections, findings and enforcement actions and make them available for review by the permitting authority.</p>
E.	Receipt of Public Inquires	Developed procedures for receiving and consideration of public inquires, concerns, and information submitted regarding local construction activities.

TABLE 2: ADMINISTRATIVE INFORMATION

PRIMARY CONTACT	POSITION OR TITLE
-----------------	-------------------

Neil Desai, PE Katie Herrera	Public Works Director Stormwater Manager
OTHER DEPARTMENT	ROLE
Stormwater Regulatory	Enforcement
Community Development	Enforcement and Development Planning
Legal	Enforcement
Building and Code Enforcement	Enforcement
BEST MANAGEMENT PRACTICES (BMPs) MEASURABLE GOALS AND IMPLEMENTATION MILESTONES (Continued)	
GOVERNMENT ENTITY	ROLE
Beaufort County SW Utility	Primary responsible party
OTHER INSTITUTION	ROLE
Carolina Clear Clemson University	Public Education and Training
EQUIPMENT NEEDS (IF APPLICABLE)	
N/A	
GROUP	TARGET DESCRIPTION
N/A	N/A

ADDENDUM TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI) BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES <i>These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)</i>	
SECTION FOUR	
TABLE 3: BEST MANAGEMENT PRACTICES	
<p>The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures.</p> <p>Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP.</p> <p>For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year. Also, certain BMPs - e.g., an ordinance - should be put in place within one year.</p>	
BMP A	MEASURABLE GOALS AND MILESTONES
Goals	<p>Revised stormwater management ordinance, or other regulatory mechanism, to adequate and clearly state the legal authorities to meet the objectives of the construction site runoff requirements for the Stormwater Management Program.</p> <p>Established the authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater runoff control measures will be installed, implemented, and maintained during construction consistent with Section 4.2.4.5.f of SCR0300000</p> <p>Established the authority to request information such as stormwater plans, inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Construction Site Runoff Stormwater Management Program.</p> <p>Established the authority to enter private and public property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to construction sites with devices to control erosion and sediment control and other waste at site.</p>

Milestone Year 1	Developed ordinance setting forth construction site runoff criteria, requiring implementation and continued maintenance of pre-construction BMPs until close out of project. The ordinance will include all necessary authorities for design review and approval, inspection, and monitoring.
Milestone Year 2	Continued implementation of ordinance setting forth construction site runoff criteria, requiring implementation and continued maintenance of pre-construction BMPs until close out of project.
Milestone Year 3	Continued implementation of ordinance setting forth construction site runoff criteria, requiring implementation and continued maintenance of pre-construction BMPs until close out of project.
Milestone Year 4	Continued implementation of ordinance setting forth construction site runoff criteria, requiring implementation and continued maintenance of pre-construction BMPs until close out of project.
Milestone Year 5	Reviewed and reassessed ordinance and continue implementation of ordinance setting forth construction site runoff criteria, requiring implementation and continued maintenance of pre-construction BMPs until close out of project.
Milestone Year 6	Continued implementation of ordinance setting forth construction site runoff criteria, require implementation and continued maintenance of pre-construction BMP's until close out of project.
Milestone Year 7	Continue implementation of ordinance setting forth construction site runoff criteria, require implementation and continued maintenance of construction BMP's until close out of project.
BMP B	MEASURABLE GOALS AND MILESTONES
Goals	Developed requirements for the implementation of appropriate BMPs on a construction site to control erosion and sediment and other waste at the site.
Milestone Year 1	Implemented construction site runoff control standards.
Milestone Year 2	Implemented construction site runoff control standards.
Milestone Year 3	Implemented construction site runoff control standards.
Milestone Year 4	Continued to implement construction site runoff control standards.
Milestone Year 5	Continued to implement construction site runoff control standards. Review and reassess construction site runoff control standards.
Milestone Year 6	Continued to implement construction site runoff control standards. Implemented Southern Lowcountry Design Manual in February 2021.
Milestone Year 7	Continue to implement construction site runoff control standards.
BMP C	MEASURABLE GOALS AND MILESTONES
Goals	Developed plan review procedures to determine if the construction site is in compliance with erosion control requirements determined by the County. Set requirements and procedures for a pre- construction meeting and tracking of current construction activities for the County and the public.
Milestone Year 1	Educated County staff of construction site runoff control standards and plan requirements.
Milestone Year 2	Implemented procedures and requirements for construction site compliance, pre-construction meetings, and tracking of current construction activities for erosion and sediment control.
Milestone Year 3	Implemented procedures and requirements for construction site compliance, pre-construction meetings, and tracking of current construction activities for erosion and sediment control.
Milestone Year 4	Implemented procedures and requirements for construction site compliance, pre-construction meetings, and tracking of current construction activities for erosion and sediment control.
Milestone Year 5	Implement procedures and requirements for construction site compliance, pre-construction meetings, and tracking of current construction activities for erosion and sediment control. Reviewed and reassessed procedures and requirements.
Milestone Year 6	Implemented Southern Lowcountry Design Manual procedures and requirements for construction site compliance, pre-construction meetings, and tracking of current construction activities for erosion and sediment control in both Munis and Energov when it goes live in early 2021. of 2021

Milestone Year 7	Continue to implement Southern Lowcountry Design Manual procedures and requirements for construction site compliance, pre-construction meetings, and tracking of current construction activities for erosion and sediment control in Energov.
BMP D	MEASURABLE GOALS AND MILESTONES
Goals	Developed BMP manual and stormwater ordinance to ensure that all erosion control measures meet the County's performance standards to control erosion and sediment and other waste at site. The County shall develop and implement a written inspection program for construction site controls installed pursuant to the County's construction site runoff control program. Created database to document and maintain records of inspections, findings and enforcement actions and make them available for review by the permitting authority.
Milestone Year 1	Developed a stormwater ordinance that references a written inspection program; including issuing infractions, development of a database for tracking and inspecting pre-construction control devices, and a draft written inspection program.
Milestone Year 2	Completed stormwater ordinance and written inspection program.
Milestone Year 3	Implemented the stormwater ordinance and inspection program, including to update the database with inspection records, findings and enforcement actions.
Milestone Year 4	Continued to implement the stormwater ordinance and inspection program, including to update the database with inspection records, findings and enforcement actions.
Milestone Year 5	Continue to implement the stormwater ordinance and inspection program, including updating the database with inspection records, findings and enforcement actions. Reviewed and reassessed the ordinance and inspection program.
Milestone Year 6	Continued to implement the Stormwater ordinance and inspection program, including updating the database with inspection records, findings, and enforcement actions using both Munis and Energov when it goes live in October 2021.
Milestone Year 7	Continue to implement the Stormwater ordinance and inspection program, including updating the database with inspection records, findings, and enforcement actions Energov.
BMP E	MEASURABLE GOALS AND MILESTONES
Goals	Developed procedures for receiving and consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 1	Developed procedures for receiving and distributing to key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 2	Completed procedures for receiving and distributing to key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 3	Implemented procedures for receiving and distributing to key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 4	Continued to implement procedures for receiving and distributing to key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 5	Continue to implement procedures. Review and reassess procedures for receiving and distributing to key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 6	Continued to implement procedures for receiving and distributing key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.
Milestone Year 7	Continue to implement procedures for receiving and distributing key staff for consideration of public inquires, concerns, and information submitted regarding local construction activities.

**SECTION 5
POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT OR
PERMANENT / LONG TERM STORM WATER POLLUTION CONTROL MEASURES**

POST-CONSTRUCTION STORMWATER MANAGEMENT PROGRAM

1. Will the Post-Construction Stormwater Management Program require that controls are in place to meet the site performance standards in Part 4.2.5.2 to the MEP and to protect water quality?

Yes No If no, explain

2. Does the MS4 currently have in place mechanisms or strategies to address permanent stormwater runoff management from new development or redevelopment projects that result in land disturbance of one acre or more? For example, land use planning requirements, zoning directives, site-based local controls such as riparian buffer zone protection; storage or detention of stormwater prior to release to streams; practices to cause stormwater to percolate the soil rather than runoff immediately; vegetative practices.

Yes No

If Yes, please provide a brief narrative of - and/or references to - the structural and non-structural strategies, describing strategies implemented, Best Management Practices allowed, technical guidance, responsible departments, and personnel (by title).

Sections 2 and 5 of the BMP Manual states: All development that creates runoff and/or discharge may adversely impact water quality in county streams, lakes and tidal waterbodies. Therefore, all proposed development and redevelopment shall be required to submit a Drainage Plan to show compliance with the peak attenuation, water quality, volume and construction pollution control requirements in this manual

SITE PERFORMANCE STANDARDS

1. Has the permittee established, implemented and enforced a requirement that owners or operators of new development and redeveloped sites discharging to the MS4, which disturb greater than or equal to one acre (including projects that disturb less than one acre that are part of a larger common plan of development or sale), design, install, implement, and maintain stormwater control measures that maintain pre-development conditions and protect water quality to the MEP?

Yes No **SoLoCo Manual** Page Number **Sec.: 3.4** Paragraph Number
Ch 3

PERMANENT STORMWATER CONTROLS SITE MANAGEMENT ORDINANCE

1. Do you currently have an ordinance or regulatory mechanism that addresses permanent stormwater runoff management from new development and redevelopment projects? If yes, reference the page number in your ordinance. If No, proceed to the next section on permanent stormwater management plans review.

Yes No **3.2** Page Number **Sec.: 3.2** Paragraph Number

2. Does the ordinance or regulatory mechanism require controls to mitigate pollutants in stormwater runoff? If yes, note page number and paragraph number.

Yes No **A** Page Number **99-115** Paragraph Number

3. Does the ordinance or regulatory mechanism require (explicitly or implicitly) that controls be implemented for any new development or redevelopment projects greater than or equal to one acre, including projects less than one acre that are part of a large common plan of development or sale, that discharge into your small MS4? If yes, note page number and paragraph number.

Yes No **3.2** Page Number **Sec.: 3.2** Paragraph Number

4. Does the ordinance or regulatory mechanism contain or reference technical standards for water quality controls (e.g., design of detention basins)? If yes, note page number and paragraph number.

Yes No **Ch 3** Page Number **Sec.: 3.7.2** Paragraph Number

5. Does the ordinance or regulatory mechanism clearly define the criteria for submittal -who must submit - of permanent stormwater management design information or plans? If yes, note page number and paragraph number.

Yes No **Ch 2** Page Number **Sec.: 2.2** Paragraph Number

6. Does the ordinance or regulatory mechanism require approval prior to construction of permanent stormwater management controls? If yes, note page number and paragraph number.

Yes No **CH 2** Page Number **Sec.2.3.1** Paragraph Number

7. Does the ordinance or regulatory mechanism require re-submittal of permanent stormwater management design information or plans if site plans change after the initial design has been approved? If yes, please note page number and paragraph number.

Yes No **CH 2** Page Number **Pg 37** Paragraph Number

8. Does the ordinance or regulatory mechanism give the MS4 owner/operator the authority to penalize the owner of permanent stormwater management controls for violations? If yes, note page number and paragraph number.

Yes No **A-32** Page Number **99-504** Paragraph Number

9. Does the ordinance or regulatory mechanism allow the MS4 right-of-entry on property where permanent stormwater management controls are installed for inspections? If yes, please note page number and paragraph number.

Yes No **A-3** Page Number **99-104** Paragraph Number

10. Does the ordinance or regulatory mechanism require that permanent stormwater management controls have adequate and long-term operation and maintenance? If yes, please note page number and paragraph number. If no, how does the MS4 owner/operator maintain permanent stormwater management controls?

Yes
No

Appendix A 99-103 Page A-5 and A-6

11. Does the ordinance or regulatory mechanism require establishment and maintenance of water quality buffers in areas of new development and redevelopment?

Yes **Appendix A Sec.: 99-300 Page A-24** No If no, explain

PERMANENT STORMWATER MANAGEMENT PLANS REVIEW

1. Does the MS4 presently have in place a technical review process (i.e. engineering department, planning department, zoning board) that evaluates new development and redevelopment with regard to the impact that permanent stormwater runoff will have on receiving streams? Plan review must specifically address site performance standards and ensure long term maintenance.

Yes No

If Yes, provide a brief narrative or a flow chart of the review process, describing the process steps, responsible personnel (by department, title and contact person), and criteria used for evaluation of information or plans that are submitted.

The review process starts with the Community Development Department with Hillary Austin, Zoning Administrator. Ms. Austin distributes engineering related items such as stormwater construction plans and calculations to the Stormwater Department with Neil Desai, PE, Public Works Director, Julianna Corbin, EIT, Environmental Engineer, who coordinates with the professional engineer of record for questions and comments on the submitted design.

2. Does the MS4 presently have in place a requirement for submittal of 'as-built' certifications at project completion to ensure that site performance standards and long term maintenance requirements are met?.

Yes No If no, explain

3. Does the MS4 presently include measures for effective water quality protection in its watersheds?

Yes No If no, explain

4. Does the MS4 track Post-Construction Stormwater Control measures?

Yes No If no, explain

5. Does the MS4 conduct inspection of permanent storm water controls and document all findings and enforcement actions?

Yes No If no, explain

Complete Tables 1, 2, and 3 (BMP Measurable Goals and Milestones) in the addendum of this NOI. Identify and outline measurable goals and milestones. Attach completed Section 1 tables to this NOI.

ADDENDUM
TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES
These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION FIVE

TABLE 1: BMP MEASURABLE GOALS AND IMPLEMENTATION MILESTONES

	Name	DESCRIPTION
A.	Adequate legal authorities	<p>Maintain through an ordinance, or other regulatory mechanism, adequate legal authorities to meet the objectives of the Post-Construction Site Runoff Controls program.</p> <p>Establish the authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater control measures will be installed, implemented, and maintained.</p> <p>Establish the authority to request information such as stormwater plans, inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Post-Construction Stormwater Management Program.</p> <p>Establish the authority to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance the Post-Construction Stormwater Management Program.</p>
B.	Determine BMPs	Review and revise (as necessary) the current Beaufort County Stormwater Manual to include the latest BMPs (non-structural, structural, infiltration, and vegetation).
C.	Plan reviews	Conduct site plan reviews of all new development and redeveloped sites that disturb greater than or equal to one acre (including sites that disturb less than one acre that are part of a larger common plan of development or sale). The site plan review shall address how the project applicant meets the performance standards and how the project will ensure long-term maintenance.
D.	Provide a mechanism to require long-term operation and maintenance of structural BMPs	Implement or require an operation and maintenance plan for the long-term operation of the structural BMPs required by the program. The operation and maintenance plan shall require the owner of each structural BMP to perform and maintain a record of annual inspections of each structural BMP. Annual inspection of permitted structural BMPs shall be performed by a qualified professional.
E.	Inspections of Structural Stormwater Control Measures	<p>To ensure that all stormwater control measures meet the County's performance standards and are being maintained pursuant to the maintenance agreement, the County shall develop and implement a written inspection program for structural stormwater controls installed pursuant to the County's post-construction program for all public and privately owned stormwater control measures with the County.</p> <p>Document and maintain records of inspections, findings and enforcement actions and make them available for review by the permitting authority. Maintain a GIS based inventory of all Post-Construction Stormwater Control Measures.</p>
F.	Enforcement	Track the issuance of notices of violation and enforcement actions. This mechanism shall include the ability to identify chronic violators for initiation of actions to reduce noncompliance.

TABLE 2: ADMINISTRATIVE INFORMATION

PRIMARY CONTACT	POSITION OR TITLE
Neil Desai, PE Katie Herrera	Public Works Director Stormwater Manager
OTHER DEPARTMENT	ROLE
Community Development Department	Ordinance assistance
Legal	Ordinance assistance

Building and Code Enforcement	Ordinance assistance and enforcement
BEST MANAGEMENT PRACTICES (BMPs) MEASURABLE GOALS AND IMPLEMENTATION MILESTONES (Continued)	
GOVERNMENT ENTITY	ROLE
Beaufort County SW Utility	Primary responsible party
OTHER INSTITUTION	ROLE
Carolina Clear/Clemson University	Training assistance
EQUIPMENT NEEDS (IF APPLICABLE)	
N/A	
GROUP	TARGET DESCRIPTION
N/A	

**ADDENDUM
TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES**
These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION FIVE

TABLE 3: BEST MANAGEMENT PRACTICES

The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures.

Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP.

For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year. Also, certain BMPs - e.g., an ordinance - should be put in place within one year.

BMP A	MEASURABLE GOALS AND MILESTONES
Goals	<p>Maintain through an ordinance, or other regulatory mechanism, adequate legal authorities to meet the objectives of the Post-Construction Site Runoff Controls program.</p> <p>The County shall have the authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater control measures will be installed, implemented, and maintained.</p> <p>The County shall have the authority to request information such as stormwater plans, inspection reports, monitoring results, and other information deemed necessary to evaluate compliance with the Post-Construction Stormwater Management Program.</p> <p>The County shall have the authority to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance the Post-Construction Stormwater Management Program.</p>
Milestone Year 1	Developed ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMPs. The ordinance will include all necessary authorities for design review and approval, inspection, and monitoring.
Milestone Year 2	Implemented ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMPs.
Milestone Year 3	Continued implementation of ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMPs.
Milestone Year 4	Continued implementation of ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMPs.
Milestone Year 5	Continued to implement ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMP's. Review and reassess ordinance.

Milestone Year 6	Continued to implement ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMP's. Ordinance will be was updated in February 2021 to reflect new design standards implemented with the adoption of the Southern Lowcountry Design Manual.
Milestone Year 7	Continue to implement ordinance setting forth design criteria, requiring implementation and continued maintenance of post-construction BMP's.
BMP B	MEASURABLE GOALS AND MILESTONES
Goals	Review and revise (as necessary) the current Beaufort County Stormwater BMP Manual to include the latest BMPs (non-structural, structural, infiltration, and vegetation).
Milestone Year 1	Completed review and updates of the Beaufort County Stormwater BMP Manual as necessary to implement desired BMPs. Beaufort County Stormwater BMP Manual.
Milestone Year 2	Implemented the Beaufort County Stormwater BMP Manual. Began additional maintenance revisions to the BMP manual as needs were identified through implementation.
Milestone Year 3	Continued to implement the Beaufort County Stormwater BMP Manual.
Milestone Year 4	Continued to implement the Beaufort County Stormwater BMP Manual.
Milestone Year 5	Continued to implement the Beaufort County Stormwater BMP Manual. Reviewed and reassessed the Beaufort County Stormwater BMP Manual.
Milestone Year 6	Continue to implement the Beaufort County Stormwater BMP Manual through January 2021. Adopted and implemented the Southern Lowcountry Design Manual in February 2021.
Milestone Year 7	Continue to implement the Southern Lowcountry Design Manual.
BMP C	MEASURABLE GOALS AND MILESTONES
Goals	The County shall conduct site plan reviews of all new development and redeveloped sites that disturb greater than or equal to one acre (including sites that disturb less than one acre that are part of a larger common plan of development). The site plan review shall address how the project applicant meets the performance standards and how the project will ensure long-term maintenance.
Milestone Year 1	Complete plans review process and procedures in conjunction with developing the stormwater ordinance. Redefined the plans-review process and procedures in conjunction with developing the stormwater ordinance, including review and clearly stating criteria for stormwater treatment and design standards.
Milestone Year 2	Implemented plans review process and procedures. Reviewed 113 plans and worked with designers and engineers of record to meet requirements.
Milestone Year 3	Continued implementation of plans review process and procedures. Reviewed 124 plans and worked with designers and engineers of record to meet requirements.
Milestone Year 4	Continued to implement the plans review process and procedures. Reviewed 99 plans and worked with designers and engineers of record to meet requirements.
Milestone Year 5	Continue to implement the plan review process. Reviewed and reassessed the plans review process and procedures.
Milestone Year 6	Continue to implement the plan review process. Reviewed and reassessed the plans review process and procedures. The plan review process was updated with the adoption of the Southern Lowcountry Design Manual.
Milestone Year 7	Continue to implement the plan review process. Review all plans as they come in and continue to work with the development community to implement the requirements of the County.
BMP D	MEASURABLE GOALS AND MILESTONES
Goals	The County shall implement or require an operation and maintenance plan for the long-term operation of the structural BMPs required by the program. The operation and maintenance plan shall require the owner of each structural BMP to perform and maintain a record of annual inspections of each structural BMP. Annual inspection of permitted structural BMPs shall be performed by a qualified professional.

Milestone Year 1	Developed procedures to require an operation and maintenance plan for the long-term operation of the structural BMPs required by the program. Completed procedures to require an operation and maintenance plan for the long-term operation of the structural BMPs required by the program. Made available stormwater control measure (SCM) maintenance plan templates.
Milestone Year 2	Educated SCM operators of maintenance plan requirements. Recorded maintenance agreements and issued a County Stormwater permit in order to schedule annual inspections. The County requires a maintenance plan for each SCM and enters the appropriate data into SCM database.
Milestone Year 3	Continue to implement maintenance plan for each SCM and enter appropriate data into SCM database. Educated SCM operators of maintenance plan requirements. Recorded maintenance agreements and issued a County Stormwater permit in order to schedule annual inspections. The County requires a maintenance plan for each SCM and enters the appropriate data into SCM database.
Milestone Year 4	Continue to implement maintenance plan for each SCM and enter appropriate data into SCM database. Educated SCM operators of maintenance plan requirements. Recorded maintenance agreements. The County requires a maintenance plan for each SCM and enters the appropriate data into SCM database.
Milestone Year 5	Continued to implement maintenance plan for each SCM and enter appropriate data into SCM database. Educated SCM operators of maintenance plan requirements. Recorded maintenance agreements.
Milestone Year 6	Continued to implement maintenance plan for each SCM and enter appropriate data into SCM database. Educate SCM operators of maintenance plan requirements. Continue to record maintenance agreements.
Milestone Year 7	Continue to implement maintenance plan for each SCM and enter appropriate data into SCM database. Educate SCM operators of maintenance plan requirements. Continue to record maintenance agreements.
BMP E	MEASURABLE GOALS AND MILESTONES
Goals	To ensure that all stormwater control measures meet the County's performance standards and are being maintained pursuant to the maintenance agreement, the County shall develop and implement a written inspection program for structural stormwater controls installed pursuant to the County's post-construction program. The County shall document and maintain records of inspections, findings and enforcement actions and make them available for review by the permitting authority.
Milestone Year 1	Created a written inspection program and start to develop stormwater ordinance that references the written inspection program. Begin to setup database for tracking and inspecting post-construction stormwater control measures.
Milestone Year 2	Completed the written inspection program and stormwater ordinance that references the written inspection program. Completed the setup of a database for tracking and inspecting post-construction stormwater control measures.
Milestone Year 3	Implemented routine inspections.
Milestone Year 4	Continued to implement routine inspections.
Milestone Year 5	Completed inspection of every post-construction SCM and documented inspections, findings and enforcement actions in the database.
Milestone Year 6	Continued to implement routine inspection procedures on SCMs and document inspections, findings, and enforcement actions in the database. Reviewed procedures.
Milestone Year 7	Continue to implement routine inspection procedures on SCMs and document inspections, findings, and enforcement actions in the database. Revise and implement updated procedures.
BMP F	MEASURABLE GOALS AND MILESTONES
Goals	Track the issuance of notices of violation and enforcement actions. This mechanism shall include the ability to identify chronic violators for initiation of actions to reduce noncompliance.
Milestone Year 1	Developed procedures and database for tracking post-construction stormwater control measures violations.
Milestone Year 2	Identified and input SCMs violations in database. Completed procedures and database for tracking post-construction stormwater control measures violations.
Milestone Year 3	Continued to identify and input SCMs violations in database.

Milestone Year 4	Continued to identify and input SCMs violations in database.
Milestone Year 5	Completed inventory of county-wide inspections of current SCMs and corresponding violation(s).
Milestone Year 6	Continued to identify and input SCMs violations in database. Review procedures.
Milestone Year 7	Continue to identify and input SCMs violations in database. Revise and implement updated procedures.

**SECTION 6
POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

MUNICIPAL FACILITIES AND STORMWATER CONTROL INVENTORY

1. Has the MS4 owner/operator obtained a SC Industrial Stormwater General Permit coverage or a no-exposure waiver for all qualifying municipal industrial activities? If yes, please give permit numbers or copy of the No-Exposure Certification form. .

Yes No Mosq. Control SCG160002 Hilton Head Airport SCR002271 Lady's Island Airport SCR001962 Permit Numbers(s)

2. List municipally-owned or operated facilities that have a notable potential for contaminating runoff: for example - vehicle maintenance garages; waste transfer operations; golf courses; salt or other materials storage; landfill. If more than one facility for a given type of operation; give the number of such facilities. Indicate if any of these are covered by an NPDES permit. Is there a documented pollution prevention plan in place for these facilities?

Notable Potential for Pollution (Y/N)	Priority (H/M/L)	FACILITY OR TYPE OF OPERATION	POLLUTANT OF CONCERN	STREET ADDRESS	TYPE_USE	AUDITED IN PERMIT YR (Y/N)	Activity Covered by NPDES Permit? (Y/N)	Is a Pollution Prevention Plan in Effect? (Y/N)
Y	L	HILTON HEAD AIRPORT TERMINAL	Fuel	120 BEACH CITY RD	Airport	Y	Y	Y
Y	L	LI AIRPORT TERMINAL	Fuel	237 SEA ISLAND PKWY	Airport	Y	Y	Y
Y	L	LI AIRPORT HANGARS	Fuel, Chemicals	237 SEA ISLAND PKWY	Airport	Y	Y	Y
Y	L	LI AIRPORT T-HANGER	Fuels, Chemicals	237 SEA ISLAND PKWY	Airport	Y	Y	Y
Y	L	ARTHUR HORNE BUILDING	Generator Fuel	104 RIBAUT RD	County Administration	N	N	N
Y	L	BIV BLDG 3	Generator	102 INDUSTRIAL VILLAGE RD	County Administration	N	N	N
Y	L	CORONER	Generator	1804 OLD SHELL RD	County Administration	N	N	N
Y	L	DSN OFFICE	Generator	1 WASTEWATER WAY	County Administration	N	N	N
Y	L	COUNTY DETENTION CENTER	Generator	106 RIBAUT RD	Detention Center	N	N	N
Y	H	BIG ESTATE DOC BLDG	Solid Waste	63 BIG ESTATE RD	Drop Off Center	Y	N	N
Y	H	BLUFFTON DOC BLDG	Solid Waste	104 SIMMONSVILLE RD	Drop Off Center	Y	N	N
Y	H	COFFIN PT DOC BLDG	Solid Waste	20 CEE CEE RD	Drop Off Center	Y	N	N
Y	H	CUFFY DOC BLDG	Solid Waste	138 CUFFY RD	Drop Off Center	Y	N	N
Y	H	DAUFUSKIE ISLAND DOC	Solid Waste	186 HAIG POINT RD	Drop Off Center	Y	N	N
Y	H	HILTON HEAD DOC	Solid Waste	26 Summit Drive	Drop Off Center	Y	N	N
Y	H	GATES DOC BLDG	Solid Waste	316 CASTLE ROCK RD	Drop Off Center	Y	N	N
Y	H	LOBECO DOC BLDG	Solid Waste	6 KEANS NECK RD	Drop Off Center	Y	N	N
Y	H	PRITCHARDVILLE DOC BLDG	Solid Waste	54 GIBBET RD	Drop Off Center	Y	N	N
Y	H	SHANKLIN RD DOC BLDG	Solid Waste	94 SHANKLIN RD	Drop Off Center	Y	N	N
Y	H	SHELDON DOC BLDG	Solid Waste	208 PAIGE POINT RD	Drop Off Center	Y	N	N
Y	H	STHEL DOC ATTENDANT BLDG	Solid Waste	639 SEA ISLAND PKY	Drop Off Center	Y	N	N
Y	H	STHEL DOC STORAGE SHLTR	Solid Waste	639 SEA ISLAND PKY	Drop Off Center	Y	N	N
Y	H	STHEL DOC TIRE/OIL SHLTR	Solid Waste	639 SEA ISLAND PKY	Drop Off Center	Y	N	N
Y	L	EMS-1 (EMS HEADQUARTERS)	Generator	2727 DEPOT RD	EMS	N	N	N

Y	M	LI FIRE DISTRICT 1 (SHERIFF HELICOPTER)		146 LADYS ISLAND DR	Fire Department	N	N	N
Y	L	ST HELENA LIBRARY	Generator	6355 JONATHAN FRANCIS SR DR	Library	N	N	N
Y	H	PUBLIC WORKS FUEL STATION	Fuel	94 SHANKLIN RD	Miscellaneous	Y	N	N
Y	L	BASIL GREEN COMPLEX – Maintenance Shed	Herbicide, Fuel	1500 RODGERS ST	PALS	N	N	N
Y	L	BATTERY CREEK INDOOR POOL	Chemicals	1 BLUE DOLPHIN DR	PALS	N	N	N
Y	L	BEAUFORT INDOOR POOL	Chemicals	84A SEA ISLAND PKWY	PALS	N	N	N
Y	L	BLUFFTON POOL	Chemicals	200 BURNT CHURCH RD	PALS	N	N	N
Y	L	BURTON WELLS REC CENTER	Generator	1 MIDDLETON RECREATION DR	PALS	N	N	N
Y	L	CHARLES "LIND" BROWN POOL	Chemicals	1710 GREENE ST	PALS	N	N	N
Y	M	CROSSINGS PARK	Maintenance Shed, Fuel	6 HAIG POINT CIR	PALS	N	N	N
Y	L	BCSO	Generator	2001 DUKE ST	Police	N	N	N
Y	H	LRTA	Fuel	25 BENTON FIELD RD	Public Service	Y	N	N
Y	L	MOSQUITO CONTROL OFFICE	Chemicals	84 SHANKLIN RD	Public Service	Y	N	N
Y	H	PUBLIC WORKS MAINTENANCE BLDG	Fuel, Oil	120 SHANKLIN RD	Public Service	Y	N	N
Y	H	PUBLIC WORKS SOUTH	Fuel, Oil	9 BENTON FIELD RD	Public Service	Y	N	N

In addition to considering industrial-type operations, you must also consider municipal infrastructure, and related maintenance activities, maintenance schedules and long-term inspection procedures for structural controls and the proper disposal of waste from storm sewers/catch basins, etc. Also included in this program area is discharge of pollutants from roads and parking lots. See Part 4.2.6.1

MUNICIPAL OPERATIONS POLLUTION PREVENTION

1. Does the MS4's operations and maintenance program have policies and procedures in place that address pollution prevention? If yes, please describe procedures. Consider the following in your response: Municipally owned or operated facility assessment (4.2.6.2), Facility specific stormwater management SOP and facility stormwater controls (4.2.6.3), Storm sewer system maintenance activities-MS4 Maintenance (4.2.6.4), Flood management projects, (4.2.6.5), Pesticide, herbicide and fertilizer application and management in landscape maintenance (4.2.6.6). You may want to incorporate maintenance activities, maintenance schedules; long term inspection procedures for structural and non-structural stormwater controls to reduce floatables and other pollutants; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways; controls for reducing or eliminating pollutants from municipal parking lots, maintenance and storage yards, fleet or maintenance areas with outdoor storage areas, salt/sand storage areas, snow disposal areas, waste transfer stations; disposal of waste removed from storm sewers and the areas listed above; and assessment of impacts on water quality from all of the above.

Yes
No

If no, explain

STAFF EDUCATION AND TRAINING

1. Does the MS4's current operation and maintenance program provide annual training for staff on preventing and reducing stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance?

Yes

No If no, explain

2. Are training activities documented? If yes, please describe training and method of record-keeping.

Yes
No

If yes, explain **All records of training are documented as part of our Public education report. Sign in sheets are provided and filed with training records.**

REQUIREMENTS FOR CONTRACTORS

OVERSIGHT

1. Are contractors hired by the permittee to perform municipal maintenance activities required to comply with all municipal operations

control measures?

Yes

No If no, explain

2. Are oversight procedures documented? If yes, please describe SOP.

Yes

No

While all contractors working for the County are required to comply with the County's BMP Manual **SoLoCo Manual**, the emphasis has been placed on construction oversight to date. Activities in the next years will focus on maintenance activity oversight in addition to construction oversight.

Complete Tables 1, 2, and 3 (BMP Measurable Goals and Milestones) in the addendum of this NOI. Identify and outline measurable goals and milestones. Attach completed Section 1 tables to this NOI.

ADDENDUM		
TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)		
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES		
<i>These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)</i>		
SECTION SIX		
TABLE 1: BMP MEASURABLE GOALS AND IMPLEMENTATION MILESTONES		
	Name	DESCRIPTION
A.	Facilities SWPPP Development	Identify priority facilities and develop SWPPPs, SOPs and training where needed.
B.	Training programs	Provide training program for grounds maintenance, landscaping crews, and roadway and drainage staff.
C.	Parking Lot and Street Cleaning	Prioritize and improve street and parking lot cleaning practices.

TABLE 2: ADMINISTRATIVE INFORMATION	
PRIMARY CONTACT	POSITION OR TITLE
Neil Desai, PE Katie Herrera	Public Works Director Stormwater Manager
OTHER DEPARTMENT	ROLE
Public Works- (includes solid waste)	SWPPP implementation
Mosquito Control	SWPPP implementation
Airports	SWPPP implementation
GOVERNMENT ENTITY	ROLE
Beaufort County SW Utility	Primary responsible party
Sheriff	SWPPP Detention Facility implementation
OTHER INSTITUTION	ROLE
N/A	N/A
EQUIPMENT NEEDS (IF APPLICABLE)	
SWPP Plans	
GROUP	TARGET DESCRIPTION
County facility staff	Staff at County facilities subject to stormwater good housekeeping measures.

**ADDENDUM
TO SMALL MS4 NPDES PERMIT NOTICE OF INTENT (SMS4-NOI)
BEST MANAGEMENT PRACTICES (BMP) MEASURABLE GOALS AND MILESTONES**

These tables must be completed and attached for each of Sections 1 thru 6 of this Notice of Intent (NOI)

SECTION SIX

TABLE 3: BEST MANAGEMENT PRACTICES

The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures.

Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP.

For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year. Also, certain BMPs - e.g., an ordinance - should be put in place within one year.

BMP A	MEASURABLE GOALS AND MILESTONES
Goals	Facilities SWPPP development.
Milestone Year 1	Developed procedures for asset management of facilities and high priority areas. Facilities Management has prepared a list of facilities to determine high priority based on chemicals stored on site and potential hazardous materials.
Milestone Year 2	Reviewed facilities list and determined high priority sites. Conducted inspections of priority facilities and began identifying SWPPP needs. Issued County SW permit to aid facility tracking.
Milestone Year 3	Develop SWPPP's for priority facilities. Conduct annual inspection. Continued issuing County SW permits to aid facility tracking. Conducted annual inspections of priority facilities and continued identifying SWPPP needs.
Milestone Year 4	Conducted annual inspection. Developed 12 SWPPPs for priority facilities.
Milestone Year 5	Conducted annual inspection. Begin implementation of facility SWPPP's
Milestone Year 6	Conducted annual inspections. Work with a consultant to develop SWPPP's for priority facilities.
Milestone Year 7	Conduct annual inspections. Work with a consultant to develop SWPPP's for priority facilities.
BMP B	MEASURABLE GOALS AND MILESTONES
Goals	Provide training program for grounds maintenance, landscaping crews, and roadway and drainage staff.
Milestone Year 1	
Milestone Year 2	Developed procedures for training program for grounds maintenance, landscaping crews, and roadway and drainage staff.
Milestone Year 3	Continued to develop a pollution prevention workshop for all municipal employees responsible for grounds maintenance, landscaping crews, convenience centers, and roadway and drainage staff.
Milestone Year 4	
Milestone Year 5	Reviewed and reassessed procedures and training. Provided Stormwater education to over 1400 staff members through quarterly press releases.
Milestone Year 6	Develop and conduct a pollution prevention workshop for all municipal employees responsible for grounds maintenance, landscaping crews, roadway and drainage and other public works staff. Provide good housekeeping training to new employees. Provided Stormwater education to over 1300 staff members through quarterly press releases. Review and reassess procedures and training.
Milestone Year 7	Develop and conduct a pollution prevention workshop for all municipal employees responsible for grounds maintenance, landscaping crews, roadway and drainage and other public works staff. Provide good housekeeping training to new employees.

BMP C	MEASURABLE GOALS AND MILESTONES
Goals	Parking Lot and Street Cleaning
Milestone Year 1	Due to the increase in development in certain areas of the County the road inventory prioritization has not changed and the County will continue to maintain on an as needed basis. The County utilizes a contract sweeper for select routes that are swept on a quarterly basis.
Milestone Year 2	The County continued to use the contract sweeper.
Milestone Year 3	Conducted routine parking lot and street sweeping in priority areas. The County purchased a vacuum truck and street sweeper as well as hired an operator.
Milestone Year 4	Continued to conduct street and parking lot sweeping in priority areas. Quantify debris collected from street sweeping. Removed 12k tons of debris from areas utilized by the sweeper.
Milestone Year 5	Continued to conduct street and parking lot sweeping in priority areas.
Milestone Year 6	Continued to conduct street and parking lot sweeping in priority areas. Assess sweeping program and priority areas.
Milestone Year 7	Continue to conduct street and parking lot sweeping in priority areas. Assess sweeping program and priority areas.

EXHIBIT A

BEAUFORT COUNTY MONITORING 2021 IN-SITU Q1

Date of Collection	Site ID	Time of Collection	Air Temp (°C)	Water Temp (°C)	Specific Cond (SpC) (m s/cm)	DO (mg/L)	pH (H+)	Salinity (ppt)	Turbidity (NTU)	Weather Observed	Tide Stage	Flow (visual)	Monitoring Category	GPS Coordinates	Remarks
3/3/2021	BCCC1	1345	13.28	12.21	0.252	6.70	8.28	0.12	9.4	02	4300	H	TMDL	SHARED-TOB	84256, -80.8641047
3/3/2021	BCCC2	1420	13.57	12.68	0.872	7.54	8.08	0.45	21.3	02	4300	H	TMDL	SHARED-TOB	27148, -80.8509683
3/3/2021	BCOK1 Wet	1510	14.32	12.89	0.095	7.58	6.63	0.05	18.1	02	4200	H	TMDL	SHARED-TOB	27876, -80.94587
3/3/2021	BCOK2	1480	14.74	14.52	0.107	7.41	6.87	0.05	6.5	02	4200	M	TMDL	SHARED-TOB	34256, -80.922064
3/3/2021	BCOK3	1545	14.88	13.45	4.540	7.69	6.17	2.39	32.2	01	4200	H	TMDL	SHARED-TOB	47974, -80.891552

Beaufort County
MICRO Q1 2021

Date of Collection	Site ID	Time of Collection	MPN E. Coli (MPN/100 ml)	MPN Fecal (MPN/100 ml)	MPN Enterococcus (MPN/100 ml)	MPN E. Coli Dilution	MPN Fecal Dilution	MPN Enterococcus Dilution	Remarks
3/3/2021	BCCC1	1340	3065.5			5			
3/3/2021	BCCC2	1415	7270			10			
3/3/2021	BCOK1	1505	5794			10			
3/3/2021	BCOK2	1445	7701			10			
3/3/2021	BCOK3	1540	5794			10			

Beaufort County InSitu Q2 2021 Monitoring

Date of Collection	Site ID	Time of Collection	Air Temp (°C)	Water Temp (°C)	Specific Cond (SpC) (m s/cm)	DO (mg/L)	pH (H+)	Salinity (ppt)	Turbidity (NTU)	Weather Observed	Tide Stage	Flow (visual)	Monitoring Category	GPS Coordinates	Remarks
5/13/2021	BCCC1	1040	15.40	17.60	0.152	6.36	5.97	0.01	53.3	02	NA	NF	TMDL	SHARED-TOB	84256, -80.8641047
5/13/2021	BCCC2	1100	14.75	19.54	17.1	5.30	6.16	10.50	78.5	01	4300	NF	TMDL	SHARED-TOB	27148, -80.8509683
5/13/2021	BCOK1 Wet	1210	16.47	16.32	0.142	7.10	7.38	0.07	32.5	01	4200	L	TMDL	SHARED-TOB	27876, -80.94587
5/13/2021	BCOK1 Dry														
5/13/2021	BCOK2	1139	15.16	16.92	5.24	6.45	6.71	2.83	34.0	01	4300	NF	TMDL	SHARED-TOB	34256, -80.922064
5/13/2021	BCOK3	1110	15.82	22.12	43.0	5.87	6.82	27.60	31.8	01	4300	L	TMDL	SHARED-TOB	47974, -80.891552

Beaufort County Micro Monitoring Q2 2021

Date of Collection	Site ID	Time of Collection	MPN E. Coli (MPN/100 ml)	MPN Fecal (MPN/100 ml)	MPN Enterococcus (MPN/100 ml)	MPN E. Coli Dilution	MPN Fecal Dilution	MPN Enterococcus Dilution	Remarks
5/13/2021	BCCC1	1035	3664.5			5			
5/13/2021	BCCC2	1050	5904			10			
5/13/2021	BCOK1	1205	4332			5			
5/13/2021	BCOK2	1134	>24196			10			
5/13/2021	BCOK3	1105	41			10			

Beaufort County Q3 2021 Monitoring

Date of Collection	Site ID	Time of Collection	Air Temp (°C)	Water Temp (°C)	Specific Cond (SpC) (m s/cm)	DO (mg/L)	pH (H+)	Salinity (ppt)	Turbidity (NTU)	Weather Observed	Tide Stage	Flow (visual)	Monitoring Category	GPS Coordinates	Remarks
7/8/2021	BCCC1	1245	26.97	24.38	0.253	5.56	7.28	0.12	10.0	02	NA	M	TMDL	SHARED-TOB	84256, -80.8641047
7/8/2021	BCCC2	1335	28.32	25.61	0.914	5.30	7.20	0.44	34.5	01	4200	M	TMDL	SHARED-TOB	27148, -80.8509683
7/8/2021	BCOK1 Wet	NS											TMDL	SHARED-TOB	80910, -80.92
7/8/2021	BCOK1 Dry														no low of water
7/8/2021	BCOK2	1440	25.96	24.30	0.197	7.24	5.55	0.10	16.6	01	4100	M	TMDL	SHARED-TOB	34256, -80.922064
7/8/2021	BCOK3	1440	24.94	24.96	0.048	4.94	6.11	0.03	14.3	01	4100	H	TMDL	SHARED-TOB	47974, -80.891552

Beaufort County Q3 2021 Micro Monitoring

Date of Collection	Site ID	Time of Collection	MPN E. Coli (MPN/100 ml)	MPN Fecal (MPN/100 ml)	MPN Enterococcus (MPN/100 ml)	MPN E. Coli Dilution	MPN Fecal Dilution	MPN Enterococcus Dilution	Remarks
7/8/2021	BCCC1	1240	9208			10			
7/8/2021	BCCC2	1330	4352			10			
7/8/2021	BCOK1	NS							
7/8/2021	BCOK2	1405	19883			10			
7/8/2021	BCOK3	1435	12997			10			

Beaufort County Q4 2021 InSitu Monitoring

Date of Collection	Site ID	Time of Collection	Air Temp (°C)	Water Temp (°C)	Specific Cond (SpC) (m s/cm)	DO (mg/L)	pH (H+)	Salinity (ppt)	Turbidity (NTU)	Weather Observed	Tide Stage	Flow (visual)	Monitoring Category	Remarks	GPS Coordinates
12/9/2021	BCCC1	1540	16.00	15.15	0.271	5.02	6.50	0.13	69.3	02			TMDL	SHARED-TOB	32.3558456, -80.8641047
12/8/2021	BCCC2	1405	17.76	16.42	21.3	5.30	7.35	12.63	80.5	02	4300	H	TMDL	SHARED-TOB	32.3627148, -80.8509683
	BCOK1 Wet												TMDL	SHARED-TOB	
	BCOK1 Dry												TMDL	SHARED-TOB	
	BCOK2												TMDL	SHARED-TOB	
12/8/2021	BCOK3	1320	19.97	16.49	41.2	8.08	6.60	26.03	9.4	22	4300	H	TMDL	SHARED-TOB	32.347974, -80.891552

Beaufort County Q4 2021 Monitoring

Date of Collection	Site ID	Time of Collection	MPN E. Coli (MPN/100 ml)	MPN Fecal (MPN/100 ml)	MPN Enterococcus (MPN/100 ml)	MPN E. Coli Dilution	MPN Fecal Dilution	MPN Enterococcus Dilution	Remarks
12/9/2021	BCCC1	1535	266			10			
12/8/2021	BCCC2	1400	7701			10			
	BCOK1								
	BCOK2								
12/8/2021	BCOK3	1315	250			10			

EXHIBIT B

South Carolina NPDES Permit # SCR030000
Small Municipal Separate Storm Sewer System (SMS4)
Annual Report Template

III. Minimum Control Measures (MCM)

B. Minimum Control Measure 1: Public Education and Outreach on Storm Water Impacts (4.2.1, 5.3)

Use the table below to summarize outreach strategies, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Please see the attached “2019-2023 Lowcountry Stormwater Partners Strategic Stormwater Outreach Plan” for a complete list of all activities planned for the upcoming year. Below are last year’s accomplishments as well as the activities that are furthest along in their planning stages.									
Outreach Type	Activity Type	Target Pollutant	Target Audience	Activity Description	Notes	Service Provider	Start Date	End Date	Impact
Direct	Presentation	Sediments	Elected & appointed officials and high-level staff	MS4 Program Education for Beaufort County Magistrates. Beaufort County Stormwater staff presented information to the Magistrates serving on Enforcement cases. The goal of the presentation was to help the Magistrates better understand the work that stormwater inspectors perform and why the work they perform is so important. The impact was determined by attendance.	When enforcement cases from Beaufort County Stormwater Inspectors come before them, Beaufort County Magistrate Staff wanted to be equipped with a better understanding of the purpose of the violation.	Beaufort County	11/5/2020	11/5/2020	5
Direct	Event tabling	Bacteria, Litter	Pet owners, Residential	Oyster Festival Education Table. Beaufort County had an educational table at the Oyster Festival. Staff talked with residents and visitors about pet waste and litter. Beaufort County staff displayed a 10-gallon aquarium full of trash collected from one of the vacuum trucks. The impact was determined by attendance.		Beaufort County	1/9/2021	1/9/2021	68

Direct	Council / Committee / Meeting	General Stormwater, Sediments	Stormwater managers, stormwater staff, technical staff, engineers, developers	SOLOCO Manual Training. Beaufort County provided training for all engineers, developers, etc. on the standards within the new Southern Lowcountry Design Manual. The impact was determined by attendance.		Beaufort County	1/28/2021	1/28/2021	35
Direct	Council / Committee / Meeting	Bacteria, Litter, Sediments	Stormwater managers, stormwater staff, technical staff, engineers, developers	Northern Implementation Plan Committee Meeting. Beaufort County gave a presentation to the Northern Implementation committee regarding the recent adoption of new stormwater standards in Beaufort County. The impact was determined by attendance.		Beaufort County	5/28/2021	5/28/2021	17
Direct	Council / Committee / Meeting	General Stormwater	Residential	Alljoy Community Meeting. Beaufort County held a community meeting with residents of the Alljoy area to discuss stormwater controls and proposed BMPs for a proposed County project. The impact was determined by attendance.		Beaufort County	8/3/2021	8/3/2021	56
Direct	Council / Committee / Meeting	General Stormwater	Residential	Shell Point Drainage Study Community Meeting. Beaufort County and consultant staff presented about a drainage project that the County was working on in the residential area of Shell Point. The impact was determined by attendance.		Beaufort County	8/26/2021	8/26/2021	25
Direct	Event tabling	Bacteria, FOG, Freshwater, General Stormwater, Litter, Pesticides	Pet owners, Residential, Youth	Frogmore 5K and Education Fair. Beaufort County and Clemson Extension had a booth at this event that taught locals about pet waste, fertilizers, and different pollutants in a	The Enviroscope, an interactive watershed model, portrayed non-point source pollution and the impacts of stormwater runoff on water quality	Beaufort County, Clemson Extension	10/9/2021	10/9/2021	12

				watershed. They also provided enviroscape demonstrations. The impact was determined by attendance.					
Direct	Council / Committee / Meeting	General Stormwater	Residential	Ladys Island/Warsaw Community Stormwater Meeting. Beaufort County Stormwater staff presented about their program to members of Lady's Island and Warsaw Island communities. Residents were able to discuss issues related to stormwater drainage with Beaufort County staff. Beaufort County staff were able to educate residents on future studies for the area and address drainage concerns in coordination with future projects for sea level rise. The impact was determined by attendance.		Beaufort County	2/2/2022	2/2/2022	27
Direct	Council / Committee / Meeting	General Stormwater	Residential	Everest Road Stormwater Community Meeting. Beaufort County staff presented on the stormwater standards and level of service provided by the County in their area. The County discussed future studies for the area as well as sea level rise and what that would mean for drainage. The impact was determined by attendance.		Beaufort County	2/9/2022	2/9/2022	13

Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal, USC-B	11/10/2020	11/10/2020	18
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, City of Beaufort, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal, USC-B	12/9/2020	12/9/2020	15
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, Clemson Extension, Town of Bluffton, Town of Hilton Head Island	2/10/2021	2/10/2021	16

Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, City of Beaufort, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal	6/9/2021	6/9/2021	15
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County	8/11/2021	8/11/2021	10
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County	10/13/2021	10/13/2021	9

Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services within Beaufort County, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County	12/15/2021	12/15/2021	14
Direct	Event tabling	General Stormwater	Residential	Hilton Head Area Home Builders Association Home Fest. The Town of Hilton Head Island provided an educational booth with brochures on stormwater, floodplains, and other environmental topics for attendees. The impact was determined by attendance.		Town of Hilton Head Island	5/14/2021	5/16/2021	400
Indirect	Webpage / social media	General Stormwater	Residential	The Town of Hilton Head Island's Facebook and Twitter Posts. The Town posted weekly on environmental topics, such as the island's biodiversity and natural functions provided by it. The impact was determined by average post views.		Town of Hilton Head Island	1/1/2021	12/31/2021	1000

Direct	Presentation	Freshwater, General Stormwater	Residential	Jarvis Creek Park Presentation. The Town of Hilton Head Island gave a presentation to members of the Women's Association of Hilton Head Island. They discussed the development of Jarvis Creek Park as one of the first Green Infrastructure projects in South Carolina. The impact was determined by attendance.		Town of Hilton Head Island	10/1/2021	10/1/2021	12
Indirect	Publication / Article	Freshwater, General Stormwater	Residential	Town of Hilton Head Island Press Release. The press release reported all the sustainable actions taken by the Town of Hilton Head Island since 2016 in 16 different categories as part of the Town's recertification as an Audubon International Sustainable Community. The impact was determined by an estimate of post reach.		Town of Hilton Head Island	1/1/2021	12/31/2021	1000
Indirect	Brochure / outreach material	FOG, Freshwater, Litter, Petroleum products, Toxic contaminants/ heavy metals	Boat owners, operators, marinas	Marina Outreach Emails. The Town of Hilton Head Island sent emails to marinas about the arrival of manatees in their waters and provided the marinas with educational materials to post on their websites. The impact was determined by the number of marinas receiving this information.		Town of Hilton Head Island	1/1/2021	12/31/2021	10
Direct	Presentation	Freshwater, General Stormwater, Litter	Elected & appointed officials and high-level staff, Higher education students, Residential	The Town of Hilton Head Island's Green Blueprint Presentations. Town staff gave presentations on the development of the Town's Green Blueprint and its designation as an Audubon International Sustainable	The presentations were given to the Hilton Head Island-Van Landingham Rotary Club and the USCB hospitality class.	Town of Hilton Head Island	10/29/2021	10/29/2021	42

				Community. The presentations detailed the environmental protection actions taken by the Town. The impact was determined by attendance.					
Direct	Webinar	General Stormwater	Residential	The Hilton Head Area Realtors Association Professional Development Session. The webinar provided an update on flood maps. The impact was determined by attendance.		Town of Hilton Head Island	2/23/2021	2/23/2021	200
Direct	Presentation	Bacteria, General Stormwater, Litter, Sediment	K-12 students/youth	Pritchardville Elementary STEM Presentation. The Town of Bluffton gave a presentation to 3rd and 4th grade students over Zoom. The Town taught students about stormwater issues and led them in an activity to build interactive watersheds using paper, markers, and spray bottles. The impact was determined by attendance.		Town of Bluffton	9/9/2021	9/9/2021	100
Indirect	Webpage / social media	General Stormwater	General Audiences, Residential	The Town of Bluffton's May River Story Map. This map highlighted the history of the water quality efforts the Town has done to protect the May River. https://storymaps.arcgis.com/stories/641539342e8f42e4a670e50943ae38a1 . The impact was determined by the number of site visits.		Town of Bluffton	10/1/2020	12/31/2021	15

Indirect	Brochure / outreach material, Presentation, Council / Committee / Meeting	Bacteria	Septic System Owners, Residential	Surface Effluent Septic Tank Inspections. During inspections Town staff distributed educational flyers in English and Spanish to individual residents and had one-on-one conversations with residents on the importance of septic system maintenance. This information was also sent via email to appropriate HOAs. The impact was determined by the number of inspections performed.		Town of Bluffton	10/1/2020	12/31/2021	24
Indirect	Educational signage	Freshwater, General Stormwater, Litter, Sediment	General Audiences, Technical staff, engineers, developers	Pervious Pavement and Bioswales Interpretive Sign installation at the Bluffton Town Hall. These signs highlighted the importance and function of these BMPs. The impact was determined by the estimated number of visitors to the Town Hall.		Town of Bluffton	10/1/2020	12/31/2021	100
Direct	Council / Committee / Meeting, Brochure / outreach material	Litter, Sediment	Residential	The Town of Bluffton's Post Construction Runoff Controls Program Meetings and Emails. This program's goal was to reduce the volume of and improve the quality of stormwater runoff to the Towns SMS4. It did this by educating HOA representatives and residents on the maintenance of structural and nonstructural BMPs. Town staff met onsite with HOA representatives and provided educational emails to residents. The impact was determined by the number of people contacted.		Town of Bluffton	10/1/2020	12/31/2021	154

Indirect	Brochure / outreach material	Bacteria, FOG, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Sediment	Elected & appointed officials and high-level staff, Grounds crew, maintenance, facilities staff, Residential	Town of Bluffton Illicit Discharge Handout. These handouts detailed what an illicit discharge is and how to report it. The handouts were provided by Town of Bluffton's Human Resource Department to new Town staff regardless of department. The impact was determined by the number of new staff receiving these handouts.		Town of Bluffton	10/1/2020	12/31/2021	30
Indirect	Brochure / outreach material	FOG	Commercial--restaurants and grease handlers	Town of Bluffton Fats/Oils/Grease Handouts. These handouts covered the dangers of FOG and how to manage it. The impact was determined by the number of restaurants and food trucks that received the handouts through hand delivery or direct mail.		Town of Bluffton	10/1/2020	12/31/2021	120
Indirect	Brochure / outreach material	General Stormwater, Litter, Sediment	Contractors	Town of Bluffton Erosion & Sediment Control Handouts. These handouts contained information on proper installation and maintenance of construction site BMPs. The impact was determined by the number of contractors receiving these handouts during on-site meetings with Town staff.		Town of Bluffton	10/1/2020	12/31/2021	10
Indirect	Television / Video, Webpage / social media	General Stormwater	Contractors	Inlet Protection Installation & Maintenance Video. This video, hosted on the Town of Bluffton's YouTube Channel, aimed to teach contractors how to properly install and maintain inlet protection BMPs. The impact was determined by the number of video views.		Town of Bluffton	10/25/2021	12/31/2021	286

Direct	Brochure / outreach material, Presentation	FOG, Freshwater, General Stormwater, Good Housekeeping, Pesticides	Grounds crew, maintenance, facilities staff	Illicit Discharge Detection & Elimination and Pollution Prevention and Good Housekeeping for Municipal Operations Handouts. These documents and accompanying presentation taught new Town of Bluffton employees about IDDE and their responsibilities to prevent water pollution. The impact was determined through the number employees receiving handouts.		Town of Bluffton	10/1/2020	12/31/2021	30
Direct	Brochure / outreach material, Presentation, Council / Committee / Meeting	General Stormwater, Litter, Petroleum products, Sediment	Technical staff, engineers, developers	Sediment and Erosion Control Contractor / Developer Meetings. Town staff met on-site with contractors and developers to review and discuss Town Sediment & Erosion Control policies, MS4 requirements, to review any identified site deficiencies, and to address any necessary corrective measures. The impact was measured through attendance.		Town of Bluffton	10/1/2020	12/31/2021	1747
Direct	Meeting	General Stormwater	Nancy Mace Staff	Nancy Mace Staff Conservation Meeting. The Town of Bluffton met with the Congresswoman's office staff to discuss the Town's stormwater program. The impact was determined by the number of members in attendance.		Town of Bluffton	10/27/2021	10/27/2021	3
Direct	Presentation	Freshwater, General Stormwater, Litter	Higher education students	Town of Bluffton Sustainability Guest Lecture. The Town spoke and educated students regarding the Town's		Town of Bluffton	8/25/2021	8/25/2021	25

				SoLoCo ordinance and design manual and using of current state of knowledge to impact policy. The impact was determined by the number of attendees					
Direct	Workshop	Freshwater, General Stormwater, Sea Level Rise, Resiliency	Residential, Stormwater managers, stormwater staff, Stormwater Pond managers, technical staff, engineers, developers	The Town of Bluffton Comprehensive Plan Workshop. The goal of this workshop was to plan for the resiliency chapter and update to Town's Comprehensive Plan. The impact was determined by the number of attendees.		Town of Bluffton	10/14/2021	10/14/2021	15
Direct	Council / Committee / Meeting	Freshwater, General Stormwater	General Public	Bluffton Town Council Meetings. Bluffton Town Council discussed stormwater topics including but not limited to, CIP projects, grants, funding, water quality, SoLoCo, & sewer and septic systems. Town staff provided monthly council updates that included stormwater information and water quality data. This information was made public with Town Council packets for each Town Council meeting. The impact was determined by the estimated number of people reached for all meetings in the 2021 calendar year.	Town Council meetings took place on the second Tuesday of each month at Bluffton Town Hall. Each meeting was televised on the County Channel, and virtual meetings were broadcast live on the Town's Facebook Page.	Town of Bluffton	1/1/2021	12/31/2021	50

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through Facebook views.		Town of Bluffton	1/21/2021	1/21/2021	521
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through Facebook views.		Town of Bluffton	2/25/2021	2/25/2021	1300

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	7/22/2021	7/22/2021	1
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	9/23/2021	9/23/2021	0

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	10/28/2021	10/28/2021	0
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	12/2/2021	12/2/2021	0

Direct	Presentation	Freshwater, General Stormwater	General Audiences	From Data to Decisions Presentation. This presentation covered stormwater, sea level rise, Town efforts, water quality impairments, and monitoring efforts. The impact was determined by attendance.	The presentation was given at the Coastal Discovery Museum.	Town of Bluffton	10/13/2021	10/13/2021	50
Direct	Meeting	General Stormwater	Contractors	Sediment & Erosion Control NPDES Fees Meeting. The goal of this meeting was to make contractors aware of the Town's new fee associated with erosion and sediment control methods. The impact was determined through attendance.		Town of Bluffton	8/24/2021	8/24/2021	10
Direct	Council / Committee / Meeting	General Stormwater, Sea Level Rise, Resiliency	Government Staff, Supervisory staff, administrators, stormwater managers	Resiliency Component Comprehensive Plan Meeting with Planning Staff. The goal of this meeting was to educate the Town's Growth Management Department on the resiliency chapter as required by law. Topics discussed included resiliency and sea level rise. The impact was determined by the number of attendees.		Town of Bluffton	7/20/2021	7/20/2021	5
Direct	Presentation	Freshwater, General Stormwater, Flooding	Residential	Storm Drainage and Wetland Review at The Farm HOA. The goal of this meeting was to discuss on-going drainage issues within the Farm community. Topics included flooding, infrastructure, MS4 requirements, and wetland function. The impact was determined by the number of attendees.		Town of Bluffton	7/28/2021	7/28/2021	50

Direct	Workshop	General Stormwater	Researchers, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Supervisory staff / administrators, technical staff / engineers / developers, Higher education students,	South Carolina Marsh Stakeholder Collaborative Workshop. The Town participated in this workshop to discuss issues surrounding the health of the salt marsh. Stormwater and water quality were parts of the discussion. The impact was determined by the number of attendees.		Town of Bluffton	10/29/2021	10/29/2021	20
Direct	Council / Committee / Meeting	Sea Level Rise, Freshwater, General Stormwater	Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Sea Level Rise Task Force Meetings. These meetings brought together a representative from each jurisdiction, concerned citizens, and researchers to discuss drainage, stormwater runoff, and sea level rise. The impact was determined by an estimate of the total number of attendees across all meetings.	The meetings were held on 12/5/20, 12/18/20, and 6/23/21.	Beaufort County, Town of Bluffton	12/5/2020	6/23/2021	10
Direct	Council / Committee / Meeting	Freshwater, General Stormwater	General Audiences	Blueprint Bluffton Environment, Sustainability, Resiliency Stakeholder Committee Meetings. The goal of these meetings was to direct the new resiliency chapter of the Town's comprehensive plan. The impact was determined by an estimate of the total number of attendees across all meetings.	The meetings took place on 4/28/21, 5/26/21, 10/7/21, and 12/15/21. Town Staff participated in these meetings as stakeholders.	Town of Bluffton	4/28/2021	12/15/2021	20

Indirect	Television / Video	General Stormwater, Litter	Higher education students, K-12 students/youth, Residential, Youth	WHHI Interview on the Town of Bluffton's Earth Day Cleanups. Interview was done with Kim Jones regarding virtual cleanups and the impacts of litter. The impact was determined by an estimated number of viewers.		WHHI, Town of Bluffton	4/12/2021	4/12/2021	100
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals and personal care products, Toxic contaminants/heavy metals	Technical staff, engineers, developers	Beaufort County Southern Lowcountry Stormwater (SoLoCo) Ordinance and Design Manual Meeting. This meeting discussed the SoLoCo Ordinance and Design Manual with Growth Management staff. The impact was determined by the number of attendees.		Beaufort County, City of Beaufort, Town of Bluffton, Town of Port Royal	5/25/2021	5/25/2021	10
Direct	Workshop	General Stormwater	Youth	2021 Virtual Sea Island Regional Science Fair. The Town provided judging and discussion of projects presented by students. The impact was determined by an estimate of the number of students involved with the fair.	The fair was for middle school students.	Town of Bluffton	3/24/2021	3/24/2021	50
Direct	Public Comments	FOG, Freshwater, General Stormwater, Litter, Pesticides, Petroleum products, Pharmaceuticals and personal care products, Temperature, Toxic contaminants/heavy metals	Residential, Stormwater Pond managers, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Beaufort County Southern Lowcountry Stormwater (SoLoCo) Ordinance and Design Manual Public Comments. Individuals were allowed to submit public comment on the ordinance and manual prior to Council approval. These dates are meetings that were held to discuss and address public comments among multiple Town departments. The impact was determined by cumulative attendance across all meetings.	The meetings were held on 3/23/21, 5/13/21, 6/8/21, and 6/29/21.	Town of Bluffton	3/23/2021	6/29/2021	15

Direct	Presentation	Freshwater, General Stormwater	Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Advancing Long-Term Climate Resilience in Beaufort County Presentation to the Carolinas Climate Resilience Conference. Topics covered planning, educational, and outreach methods used to improve resiliency. The impact was determined by the number of attendees.		Town of Bluffton	5/12/2021	5/12/2021	100
Direct	Council / Committee / Meeting, Presentation	Freshwater, General Stormwater	Residential, Stormwater managers, stormwater staff, Stormwater Pond managers, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Carolinas Climate Resilience Conference Planning Meetings. These meetings were held to plan and discuss educational content for the conference. The impact was determined by the cumulative number of attendees at each meeting.	The meetings were held on 3/11/21, 3/16/21, 3/19/21, 4/8/21, 4/13/21, 4/14/21, 4/22/21, 4/30/21, 5/3/21, 5/6/21, and 5/11/21.	Town of Bluffton	3/11/2021	5/11/2021	30
Direct	Training	Freshwater, General Stormwater	Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Beaufort County Southern Lowcountry Stormwater (SoLoCo) Ordinance and Design Manual Trainings. Beaufort County and the Town of Bluffton provided training for all engineers, developers, etc. on the standards within the new Southern Lowcountry Design Manual. The impact was determined by attendance.		Town of Bluffton, Beaufort County.	2/11/2021	2/11/2021	10

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Litter, Temperature	Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers	SC Coastal Adopt-A-Stream Meeting. This meeting covered how Adopt-A-Stream data could be used by municipal governments and the public. The impact was determined by attendance.		Clemson Extension, Adopt-A-Stream, Town of Bluffton	12/1/2020	12/1/2020	8
Direct	Council / Committee / Meeting	Bacteria, Nutrients	Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Beaufort Jasper Water and Sewer Authority & the Town of Bluffton Communications Coordination Meeting. The goal of this meeting was to discuss Sanitary Sewer Overflow Response Procedures and communication strategies. The impact was determined by attendance.		Town of Bluffton	11/12/2020	11/12/2020	5
Direct	Council / Committee / Meeting	General Stormwater	Residential	Follow-up Inspections at Drayton/Hawke's Road. These meetings educated citizens on ditch maintenance and burning practices. The impact was determined by the number of people present at the meetings.	The meetings took place on 11/3/20 and 11/10/20.	Town of Bluffton	11/3/2020	11/10/2020	2
Direct	Meeting	General Stormwater	General Public	Coastal South Carolina Community Rating System User Group Meeting. These meetings were a forum for coastal communities to share lessons learned, identify best practices, and gain efficiencies in planning processes that result in hazard mitigation and realized cost savings. The impact was determined by an estimate of the cumulative number of people in attendance.	The meetings were held on 10/20/20, 3/9/21, and 6/10/21.	Town of Bluffton, SC DHEC	10/20/2020	6/10/2021	15

Direct	Council / Committee / Meeting	General Stormwater	Researchers, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Supervisory staff / administrators, technical staff / engineers / developers, Higher education students,	Port Royal Sound Foundation Stormwater Discussion. These meetings discussed regional stormwater efforts. The impact was determined by an estimate of the cumulative number of people in attendance.	The meetings were held on 10/14/20 and 11/6/20.	Town of Bluffton	10/14/2020	11/6/2020	10
Direct	Presentation	Freshwater, General Stormwater, Nutrients, Pesticides	Higher education students	Communicating Science to Stakeholders Lecture for Dr. Kimi Takagi at the College of Coastal Georgia. This lecture covered how to communicate and educate stakeholders on different environmental topics, including stormwater. The impact was determined by the number of students present.		Town of Bluffton	10/12/2020	10/12/2020	50
Direct	Council / Committee / Meeting	General Stormwater	Researchers, Elected & appointed officials, Residential, Stormwater managers/staff, administrators, technical staff / engineers / developers, Higher education students,	Port Royal Sound Research Task Force Meeting. These meetings covered the current state of knowledge and future research needs for Port Royal Sound. The impact was determined by an estimate of the cumulative number of attendees for all the meetings.	The meetings were held on 10/9/20, 10/16/20, 11/20/20, 12/11/20, 12/18/20, 2/19/21, 2/26/21, 3/5/21, 3/12/21, 3/26/21, 4/2/21, 4/9/21, 4/16/21, 4/23/21, and 5/7/21.	Town of Bluffton	10/19/2020	5/7/2021	15

Direct	Presentation	General Stormwater	Residential	Coastal Discovery Museum Presentation. The Beaufort Soil and Water Conservation District gave a presentation on general stormwater issues in Beaufort County. The impact was determined by attendance.		Beaufort County Soil and Water Conservation District	10/28/2020	10/28/2020	25
Direct	Webinar	General Stormwater	Residential	Water Conservation Presentation for the Ladys Island Garden Club. This presentation discussed the water cycle, limiting water use, and how over-watering leads to run off. The presenters also gave out a digital informational brochure for distribution to club members. The impact was determined by attendance.		Beaufort County Soil and Water Conservation District	1/7/2021	1/7/2021	20
Indirect	Brochure / outreach material	Litter	K-12 students/youth	SCDNR's ACE Basin Activity Books. These books contained information on the salt marsh, the impacts of litter and stormwater runoff on the salt marsh, and how children could help keep the marsh clean. This book was given to children visiting Crystal Lake Park. The impact was determined by the number of books handed out.		Beaufort County Soil and Water Conservation District, DNR	1/4/2021	4/30/2021	15
Direct	Presentation	Bacteria	K-12 students/youth	Soil Tunnel Presentation for Elementary Students. This presentation's goal was to educate and involve students with how water quality and soil affect their lives. Presenters discussed wells, septic tanks, and ground water recharge at		Beaufort County Soil and Water Conservation District	5/4/2021	5/6/2021	110

				Beaufort County schools as well as provided a booklet that highlighted the water cycle & water conservation practices. The impact was determined by attendance.					
Indirect	Brochure / outreach material	Litter	K-12 students/youth	SCDNR's ACE Basin Activity Books. These books contained information on the salt marsh, the impacts of litter and stormwater runoff on the salt marsh, and how children could help keep the marsh clean. This book was given to children visiting Crystal Lake Park. The impact was determined by the number of books handed out.		Beaufort County Soil and Water Conservation District, DNR	5/1/2021	6/30/2021	20
Direct	Conference	Litter	Stormwater managers, stormwater staff	EPA's South Atlantic Strategies for Trash Free Waters Conference. This this collaborative workshop created a task force to fine tune action items on preventing litter upstream to lessen litter load downstream in the local area. The impact was determined by attendance.	The Beaufort Soil and Water Conservation District heavily advertised this opportunity to local partners.	Beaufort County Soil and Water Conservation District, EPA	5/12/2021	5/12/2021	30
Direct	Presentation	General Stormwater, Sediment, Toxic contaminants/ heavy metals	K-12 students/youth	Water Quality Presentation at Crystal Lake Park. This presentation taught participants about the history of Crystal Lake Park, how stormwater runoff affects the lake, why you can't eat the fish you catch, and how to check turbidity with Secchi disk. The impact was determined by attendance.	Students were taught that runoff from roads contribute to heavy metal accumulations in fish.	Beaufort County Soil and Water Conservation District	7/9/2021	7/9/2021	20

Direct	Presentation	Litter	K-12 students/youth, General public	"How Litter can Hurt Sea Turtles and Shore Birds" Presentations. The Friends of Hunting Island gave several presentations on how to preserve wildlife at Hunting Island State Park by reducing litter and the impacts of stormwater runoff. The impact was determined by attendance.		Beaufort County Soil and Water Conservation District, Friends of Hunting Island	7/16/2021	7/16/2021	30
Direct	Conference	Litter	Stormwater managers, stormwater staff	EPA's South Atlantic Strategies for Trash Free Waters Conference. This this collaborative workshop created a task force to fine tune action items on preventing litter upstream to lessen litter load downstream in the local area. The impact was determined by attendance.	The Beaufort Soil and Water Conservation District heavily advertised this opportunity to local partners.	Beaufort County Soil and Water Conservation District, EPA	7/1/2021	7/1/2021	35
Direct	Webinar	General Stormwater, Freshwater	Stormwater managers, stormwater staff	BJWSA Sustainability Conference. Speakers at the conference discussed codes relating to overwatering on Hilton Head Island, protecting vulnerable land from development through conservation easements, installing BMPs through cost share with USDA NRCS, researching microplastic, using community block grants to convert septic tanks to sewer in low lying areas, supporting the local stormwater ordinance, and more. The impact was determined by attendance.	Participants discussed setting up task force to encourage sustainability.	Beaufort County, CCL, Soil and Water Conservation District, BJWSA, USCB, Center for Watershed Protection, Long leaf Pine Alliance, BCOLT, Jasper County, Port Royal Sound Foundation, Town of Bluffton, Town of Hilton Head Island	7/27/2021	7/27/2021	15

Direct	Presentation	Bacteria	K-12 students/youth	Soil Tunnel Presentation for Kindergarten Students. This presentation's goal is to educate and involve students with how water quality and soil affect their lives. Presenters discussed wells, septic tanks, and ground water recharge at Beaufort County schools and provided a booklet highlighting water cycle & water conservation. The impact was determined by attendance.		Beaufort County Soil and Water Conservation District	9/27/2021	9/28/2021	75
Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Sediment	K-12 students/youth	Enviroscape Demonstration. The Enviroscape, an interactive watershed model, portrayed non-point source pollution and the impacts of stormwater runoff on water quality. The impact was determined by attendance.	The demonstration was given to students at Ladys Island Middle School.	Beaufort County Soil and Water Conservation District	11/21/2021	11/21/2021	35
Direct	Presentation	Bacteria, General Stormwater, Litter, Nutrients, Pesticides, Petroleum products, Sediments	Residential	Enviroscape & Water Quality Presentation. The Beaufort Soil and Water Conservation District gave a presentation on the general stormwater issues in Beaufort County and an enviroscape demonstration. The Enviroscape is an interactive watershed model that portrays non-point source pollution and the impacts of stormwater runoff on water quality. The impact was determined by attendance.	This presentation was given to the 2022 Beaufort Leadership Class.	Beaufort County Soil and Water Conservation District, TWEAC Military Workforce Liaison	11/5/2021	11/5/2021	40
Direct	Webinar	General Stormwater	Residential	Virtual Water Quality Presentation. This presentation taught participants about the history of Crystal Lake		Beaufort County Soil and Water Conservation District,	11/5/2021	11/5/2021	40

				Park, how stormwater runoff affects the lake, and why you can't eat the fish you catch. The impact was determined by attendance.		TWEAC Military Workforce Liaison			
Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Sediment	K-12 students/youth	Kids in Kayaks program. The Kids in Kayaks program brought local youth outside and had them participate in experiential learning about local ecosystems and natural resources. The impact was determined by participation.	This program was offered 14 times to 7th and 8th grade students from three Beaufort County Schools. Riverview Charter School students attended on 10/14/21 and 10/15/21. River Ridge Academy students attended on 10/25/21, 10/26/21, 10/27/21, 10/28/21, 10/29/21, and 11/1/21. Bluffton Middle School students attended on 11/3/21, 11/4/21, 11/5/21, 11/8/21, 11/9/21, and 11/10/21.	Clemson Extension, The Beaufort County Soil and Water Conservation District, The Outside Foundation, Lowcountry Master Naturalists	10/14/2021	11/10/2021	540
Direct	Festival	General Stormwater, Litter, Freshwater, Bacteria	K-12 students/youth, Residential	The 5th Annual "Keep the Broad Creek Clean" Water Festival. This festival and litter pick-up engaged residents and visitors with Broad Creek, the current issues it faces, and what can be done to protect it. The impact was determined by attendance.	Beaufort County, Clemson Extension, Coastal Conservation League, Beaufort County Soil and Water Conservation District, DNR, Keep Beaufort County Beautiful, Port Royal Sound Foundation, and the Town of Hilton Head Island all had booths with informational handouts and interactive educational displays. Volunteers gave 120 volunteer hours to make this event happen.	Beaufort County, Clemson Extension, CCL, Soil and Water Conservation District, DNR, Keep Beaufort County Beautiful, Port Royal Sound Foundation, The Outside Foundation, Town of Hilton Head Island	8/18/2021	8/18/2021	305

Indirect	Webpage / social media	Freshwater	Residential	Hilton Head Public Service District's Facebook Post on Saving Water. This post encouraged residents to protect water quality by saving water. It included a link to U.S. EPA Water Sense webpage. The impact was determined by post reach.		Hilton Head Public Service District (PSD), Town of Hilton Head Island	1/13/2021	1/13/2021	20
Indirect	Webpage / social media	Pharmaceuticals and personal care products	Higher education students, K-12 students/youth, Residential	"What Not to Flush" Social Media Campaign. This ongoing campaign posts on the Hilton Head Public Service District's Facebook, Twitter, and Instagram accounts to inform people to not to flush medications, how it flushing medication negatively impacts waterways, and what they can do with their medications instead. The impact was determined by post reach.		Beaufort County	12/1/2021	1/31/2022	1384
Indirect	Newsletter	General Stormwater, Freshwater	K-12 students/youth, Residential	"Water-Saving" Hilton Head Public Service District's Monthly E-Newsletter. These newsletters focused on ways to keep the water bill down with water-saving tips for the household, ideas for native plants in the landscape, and encouragement for people to take the "I'm for Water" pledge. The impact was determined by the total number of people who received at least one newsletter this reporting period.		Beaufort County, Hilton Head PSD	1/1/2022	1/31/2022	5679

Indirect	Webpage / social media	General Stormwater	Residential	Planting Native Materials in the Landscape and Garden Social Media Posts. The Hilton Head Public Service District's ongoing marketing communications included outreach and education on how residents could use native plants to conserve water and prevent stormwater runoff. The impact was determined by post reach.		Beaufort County, Hilton Head PSD	12/1/2021	2/3/2022	1386
Indirect	Webpage / social media	Pesticides	General public	Bobcat Week. This social media campaign was promoted on Coastal Conservation League social media platforms to promote awareness about risks associated with second generation pesticides. The impact was determined by post reach.		Coastal Conservation League	10/7/2020	10/14/2020	100
Direct	Presentation	General Stormwater	General Public	Presentation to Palmetto Bluff Conservancy.	Impact numbers and specific program details were not recorded, and the presenter is no longer with the organization.	Coastal Conservation League	4/21/2021	4/21/2021	0
Direct	Presentation	General Stormwater	General Public	Presentation to Oldfield on active Coastal Conservation League projects, including stormwater related issues.	Impact numbers were not recorded, and the presenter is no longer with the organization	Coastal Conservation League	5/11/2021	5/11/2021	0
Direct	Event tabling	General Stormwater	General Public	Sun City "Every Day is Earth Day" Event. The Coastal Conservation League provided a booth at this event. The organization handed out informational material and discussed active Coastal Conservation League projects, including stormwater related issues.	Impact numbers were not recorded, and the presenter is no longer with the organization	Coastal Conservation League	5/27/2021	5/27/2021	0

Direct	Presentation	General Stormwater	General Public	Presentation to Sun City Bird Club.	Impact numbers and specific program details were not recorded, and the presenter is no longer with the organization.	Coastal Conservation League	9/1/2021	9/1/2021	0
Direct	Presentation	General Stormwater	General Public	Presentation to Hilton Head Island-Bluffton Chamber Public Policy Committee.	Impact numbers and specific program details were not recorded, and the presenter is no longer with the organization.	Coastal Conservation League	10/1/2021	10/1/2021	0
Direct	Presentation	General Stormwater	General Public	Presentation to Lady's Island Garden Club.	Impact numbers and specific program details were not recorded, and the presenter is no longer with the organization.	Coastal Conservation League	10/7/2021	10/7/2021	0
Direct	Council / Committee / Meeting	General Stormwater	Supervisory staff / administrators / stormwater managers, Educators, Outreach Organizations	SC Coastal Information Network (SCCIN) Spring Meeting. The South Carolina Coastal Information Network (SCCIN) enhanced the coordination of community outreach efforts in the state and fostered inter-agency communication and cooperation. This meeting served as a way that partner organizations could meet these goals. The impact was determined by attendance.		SC Sea Grant, ACE Basin Coastal Training Program, North Inlet-Winyah Bay NERR Coastal Training Program, Clemson Extension, Other Coastal Organizations	4/28/2021	4/28/2021	17
Direct	Council / Committee / Meeting	General Stormwater	Supervisory staff / administrators / stormwater managers, Educators, Outreach Organizations	SC Coastal Information Network (SCCIN) Fall Meeting. The South Carolina Coastal Information Network (SCCIN) enhanced the coordination of community outreach efforts in the state and fostered inter-agency communication and cooperation. This meeting served as a way that partner		SC Sea Grant, ACE Basin Coastal Training Program, North Inlet-Winyah Bay NERR Coastal Training Program, Clemson	9/30/2021	9/30/2021	17

				organizations could meet these goals. The impact was determined by attendance.		Extension, Other Coastal Organizations			
Indirect	Webpage / social media	General Stormwater	Elected & appointed officials and high-level staff, Residential, Stormwater managers / stormwater staff, Pond mgmt. companies, Supervisory staff / administrators, technical staff / engineers / developers	SCCIN Event Calendar and Resource Portal Website. This website maximized the efficient delivery of quality training and educational material to coastal decisionmakers, community planners, local officials, and the public. It provided a directory of outreach events, as well as links to collaborating partners and to relevant resources for more detailed information. The impact was determined by total site visits.		SC Sea Grant	1/1/2021	12/31/2021	6022
Indirect	Webpage / social media, Publication / Article	General Stormwater	Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers, Field staff / maintenance / facilities, Landscapers / landscape designers / nurseries	Low Impact Development in Coastal South Carolina: A Planning and Design Guide. This manual increased coastal communities' knowledge and implementation of low impact development practices. The impact was determined by the number of site visits and manual downloads.		SC Sea Grant, ACE Basin Coastal Training Program, North Inlet- Winyah Bay NERR Coastal Training Program	1/1/2021	12/31/2021	200

Indirect	Webpage / social media	General Stormwater, Bacteria, Freshwater, Sediment, Petroleum products	Boat owners / operators / marinas	The SC Clean Marina Program Website. The goal of the South Carolina Clean Marina Program was to protect and improve local water quality by reducing pollution from marinas. This voluntary certification program recognized marinas, boatyards, and yacht clubs for helping to create a cleaner marine environment. The impact was determined by the number of site visits.		SC Sea Grant	6/15/2021	6/15/2021	213
Direct	Training	General Stormwater, Bacteria, Freshwater, Sediment, Petroleum products	Boat owners / operators / marinas	SC Clean Marina Program. The goal of the South Carolina Clean Marina Program was to protect and improve local water quality by reducing pollution from marinas. This voluntary certification program recognized marinas, boatyards, and yacht clubs for helping to create a cleaner marine environment. The impact was determined by the number of certified marinas.	The re-launch of this program included the creation of trainings, a website, informational brochures, flags, decals, and certificates.	SC Sea Grant, SCDNR, SCDHEC-OCRM	3/1/2021	12/31/2021	24
Direct	Workshop	General Stormwater, Bacteria, Freshwater, Sediment, Petroleum products	Boat owners / operators / marinas	SC Clean Marina Certification Workshop. This training taught marinas to meet certain characteristics, including design considerations, marina management, emergency planning, fuel control, proper sewage and waste disposal, stormwater control, habitat protection, and boater education. The impact was determined by attendance.		SC Sea Grant, SCDNR, SCDHEC-OCRM	8/25/2021	8/25/2021	15

Indirect	Publication / Article	General Stormwater, Nutrients, Sediments, Bacteria, Freshwater	General Public	Coastal Heritage Magazine Vol. 34 - No. 1, Summer 2021: All Hands-on Deck: Addressing Coastal Challenges of the Next 30 Years. This issue focused on a multitude of changes which will alter South Carolina's coastal landscape and looked at how communities will adapt to the challenges presented. The impact was determined by the publication's circulation.		SC Sea Grant	8/16/2021	8/16/2021	5000
Indirect	Webpage / social media	General Stormwater	Elected & appointed officials and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers, Boat owners / operators / marinas	Stormwater Collaborative Webpage. The S.C. Stormwater Pond Research and Management Collaborative investigated and addressed the challenges associated with stormwater ponds in our coastal areas. This website provided information on their past and current efforts. The impact was determined by the number of site visits.		SC Sea Grant	1/1/2021	12/31/2021	150

Direct	Workshop	General Stormwater	Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers, Field staff / maintenance / facilities, Landscapers / landscape designers / nurseries	LID Design in Coastal SC: Challenging Sites Workshop. This training's goal was to educate professionals on how to apply principles from the LID Manual to difficult sites. The impact was determined by attendance.	The training covered barriers to LID implementation, using the Coastal LID manual and other available resources, design strategies for sites with poorly draining soil, high water table and/or high impervious cover, specifics for design practices for LID in challenging conditions, coastal SC case studies from Surculus and Robinson Design Engineers.	SC Sea Grant, ACE Basin Coastal Training Program, North Inlet-Winyah Bay NERR Coastal Training Program	4/7/2021	4/7/2021	100
Indirect	Webpage / social media	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment, Litter, Petroleum Products, FOG, Pesticides, Pharmaceuticals and personal care products, Toxic contaminants/ heavy metals	Elected & appointed officials and high-level staff, Stormwater managers/storm water staff, Supervisory staff/ administrators, technical staff / engineers /developers, Higher education students, Teachers	SC Water Monitoring Network Website. This web-based interactive application displayed a historical record (from 1907 to present) of the location, types, and frequencies of water resource monitoring efforts in the coastal zone. Also shown are post-flood sampling efforts that included biological, chemical, toxicological, and microbiological indicators. The SCCWMN application provided access to spatial information on sampling locations and respective data sources. The impact was determined by the number of site visits.		SC Sea Grant	1/1/2021	12/31/2021	38

Indirect	Publication / Article	General Stormwater	Elected & appointed officials and high-level staff, Stormwater managers/storm water staff, Stormwater Pond management companies, Supervisory staff/ administrators, technical staff / engineers /developers, Field staff / maintenance / facilities, Landscapers / landscape designers / nurseries	Stormwater State of the Knowledge Report. This 8-chapter report contained up-to-date scientific findings on stormwater ponds, their effectiveness as a control measure, pollutant levels, public perception, and best management practices. The impact was determined by the number of people accessing the digital version.		SC Sea Grant	1/1/2021	12/31/2021	69
Direct and Indirect	Brochure / outreach material, Newsletter, Event tabling, Presentation, Webpage / social media	Freshwater, General Stormwater, Nutrients, Sediment	Higher education students, Residential, Teachers	Lowcountry Master Gardner Educational Services. The Master Gardeners in Beaufort County provided educational services such as one-on-one services, promoting increased environmental awareness through the prudent use of fertilizers, pesticides, etc., and giving group learning and teaching activities for non-commercial clientele. The impact was measured through the number of contacts made.	The Lowcountry Master Gardeners volunteered 6840.5 hours and made 177090 contacts.	Beaufort Master Gardeners, Clemson Extension	10/1/2020	12/31/2021	177090

Direct and Indirect	Brochure / outreach material, Event tabling, Presentation, Training	General Stormwater, Nutrients, Sediment	K-12 students/youth, Youth	Lowcountry Master Gardner Educational Services for Youth. The Master Gardeners in Beaufort County provided educational services such as hands-on classroom demonstrations, club activities, and events to promote increased environmental awareness through the prudent use of fertilizers, pesticides, etc. for youth. The impact was measured through the number of contacts made.	During this reporting period, the Lowcountry Master Gardeners made 1674 contacts.	Beaufort Master Gardeners, Clemson Extension	10/1/2020	12/31/2021	1674
Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides	Boat owners, operators, marinas, Elected & appointed officials and high-level staff, Higher education students, K-12 students/youth, Residential, Teachers	Port Royal Sound Foundation Maritime Center's Education Events. These special events regularly occurred at the Center with water quality and related themes. These programs included Tuesday Talks, Sound Vision Virtual Webinars, eco-boat tours, etc. The impact was determined by attendance.	During this reporting period, there were nine education events.	Port Royal Sound Foundation	10/1/2020	12/31/2021	413
Direct	Marine Center / Museum	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Toxic contaminants/ heavy metals	Boat owners, operators, marinas, Elected & appointed officials and high-level staff, Higher education students, K-12 students/youth, Residential, Teachers	The Port Royal Sound Foundation Maritime Center. The Center featured exhibits, classrooms, hands-on learning spaces, and other areas where everyone could learn and celebrate the uniqueness of the Port Royal Sound. The impact was determined by the total number of visitors.		Port Royal Sound Foundation	10/1/2020	12/31/2021	2616

Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides	K-12 students/youth	Port Royal Sound Foundation Maritime Center's Field Trip Program. Through hands-on experiments and discovery, students not only saw the amazing life of our local environment but also experienced it firsthand. Participants included in all grades from the public, private and charter schools, and home-schooling programs, as well as after-school and summer programs. The impact was determined by the total number of participating students.	During this reporting period, there were 20 field trips.	Clemson Extension	10/1/2020	12/31/2021	1501
Direct	Training	Freshwater, General Stormwater, Litter, Nutrients	Elected & appointed officials and high-level staff, Higher education students, Residential, Supervisory staff / administrators / stormwater managers	Master Naturalist Program. The SC Master Naturalist Program aimed to create a statewide corps of volunteers providing education, outreach, and service dedicated to the beneficial management of natural resources, including water. The impact was measured by participants passing the final exam.	Two Master Naturalists courses took place during the reporting periods. The Spring 2021 class had 50 participants and the Fall 2021 class had 24 participants.	Lowcountry Master Naturalists	10/1/2020	12/31/2021	74
Direct	Training	Freshwater, General Stormwater, Litter, Nutrients	Elected & appointed officials and high-level staff, Higher education students, Residential, Supervisory staff / administrators / stormwater managers	Master Naturalist Advanced Trainings. These trainings are offered on a variety of environmental topics for people who have already taken the Master Naturalist Course. The goal of these programs was to keep alumni engaged and learning the most updated information. The impact was measured by the number of participants.	Seven trainings took place during the reporting period. Topics ranged from plankton, beach combing, and kayaking. The trainings took place on 3/9/21, 3/17/21, 4/18/21, 9/8/21, 9/23/21, 10/19/21, and 11/14/21.	Lowcountry Master Naturalists	10/1/2020	12/31/2021	101

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Litter, Nutrients	Elected & appointed officials and high-level staff, Higher education students, Residential, Supervisory staff / administrators / stormwater managers	Master Naturalist Quarterly Meetings. At these meetings, Master Naturalists met to discuss upcoming training opportunities, volunteer opportunities, and current environmental events in terms of research, local politics, etc. The impact was determined by attendance.	Three meetings took place during the reporting period, The meetings were held in January, May, and October.	Lowcountry Master Naturalists	10/1/2020	12/31/2021	160
Direct	Webinar	Bacteria, Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Landscapers, landscape designers, nurseries, Residential	Protecting Tidal Creeks with Planted Buffers Webinar. This webinar taught participants how planted buffers could help keep our tidal creeks clean and healthy. Topics included buffer function, design, and plant selection. The impact was determined by attendance and evaluation.	Thirty-two participants turned in an evaluation. 100% of the respondents indicated that they gained knowledge, thought that the webinar was a good use of their time, and would recommend it to others. 75% of respondents indicated that they would implement a practice learned in the webinar.	Clemson Extension	12/9/2021	12/9/2021	52
Direct	Council / Committee / Meeting	General Stormwater	Elected & appointed officials and high-level staff, Stormwater managers / stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff / engineers / developers	Lowcountry Stormwater Partners Consortium Meeting. These meetings were for partner to give updates and address consortium business such as workshops, current events, etc. The impact was determined by attendance.	Kim Morganello presented updates on the new Living Shoreline program and the Salt Marsh Short Course, all partners gave updates on their programming, and the consortium finalized the annual reporting deadlines and 2022's meeting schedule.	Clemson Extension	11/30/2021	11/30/2021	18

Indirect	Webpage / social media	Bacteria	Residential	Be Septic Safe Social Media Campaign. The goal of this program was to give Beaufort County tips to better care for their septic systems and to teach them that septic system release bacteria into waterways when they fail. The impact was determined through the lifetime total reach of the posts.	From 11/20/21 through 11/28/21, the LSP published septic system maintenance information and resources on their page twice a day for a total of 16 posts.	Clemson Extension	11/20/2021	11/28/2021	1416
Direct	Webinar	Bacteria	Residential	Be Septic Safe Webinar. This 90-minute webinar taught participants how properly care for septic systems to protect South Carolina waterways. Participants learned about maintenance tips and what to expect during a septic pump-out. Attendees also participated in a question-and-answer session with Tim Stanley from SCDHEC, Will Harris, a septic contractor, and Kim Morganello, a septic user. The impact was determined by attendance and evaluation.	100% of the individuals that responded to the post-webinar survey indicated that they gained knowledge and would use the information presented.	Clemson Extension, SC DHEC, Will Harris	11/11/2021	11/11/2021	5
Direct	BMP Installation	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Grounds crew, maintenance, facilities staff, K-12 students/youth, Residential, Teachers	Mossy Oaks Rain Garden Workshop Installation Day. On 11/07/21, the LSP led three volunteers in the hands-on installation of the 252 sq ft rain garden that took drainage from a 1,215 sq ft roof area. As they installed the rain garden, participants reviewed and experienced the information given to them during the Mossy Oaks Rain Garden Workshop Webinar. The	Two individuals turned in an evaluation. All respondents indicated that they gained knowledge, that the training was a good use of their time, and that they would recommend the training to others. The volunteers gave 12 volunteer hours.	Clemson Extension, Beaufort County Master Naturalists	11/7/2021	11/7/2021	3

				information included rain garden siting, sizing, shaping, planting, soil amending, and mulching. The impact was determined by attendance and a written evaluation.					
Direct	Presentation	Bacteria, General Stormwater, Litter, Nutrients, Pesticides, Sediments	Teachers	Savannah Valley District Training Water Resources Presentation. As part of the Savannah Valley District Meeting on 11/4/21, the LSP coordinator gave a 15-minute presentation to 35 Extension agents on why water matters. This presentation included information on how much water is in the world, the differences between water quantity and quality, and actions to reduce the biggest threat to water quality: stormwater runoff. The impact was determined by attendance.		Clemson Extension	11/4/2021	11/4/2021	35
Direct	Webinar	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Grounds crew, maintenance, facilities staff, K-12 students/youth, Residential, Teachers	Mossy Oaks Rain Garden Workshop Webinar. The webinar covered how rain garden's function, how-to site, size, and shape a rain garden, how to design, amend, and plant a rain garden, as well as mulching and maintenance tips. Five people attended. The impact was determined by attendance.	This 90-minute webinar was the prerequisite to attending the Mossy Oaks Rain Garden Workshop Installation Day.	Clemson Extension	11/3/2021	11/3/2021	5

Direct	Conference	Bacteria, General Stormwater, Nutrients, Pesticides, Sediment	Grounds crew, maintenance, facilities staff, Residential, Stormwater managers, stormwater staff, Stormwater Pond management companies, technical staff, engineers, developers	2021 Beaufort Area Stormwater Pond Conference Field Day. The 2021 Beaufort Area Stormwater Pond Conference provided a forum to give the latest information, resources, and tools on stormwater pond management for the Lowcountry community. Topics at each session included a history of the park, a native plant walk, a backpack sprayer calibration demonstration, a pond inspection activity, a water quality testing demonstration, and an upland BMP tour. The impact was determined by attendance and evaluation.	The in-person portion of the 2021 Beaufort Area Stormwater Pond Conference took place on 10/28/21 at Crystal Lake Park. This day was divided into two 3-hour sessions. Nine people attended the morning session, and five participated in the afternoon session. Fourteen individuals attended the field day, and seven turned in evaluations. 100% of respondents gained knowledge, thought the training was a good use of their time, and would apply a practice learned.	ACE Basin Coastal Training Program, Clemson Extension, Beaufort County Soil and Water Conservation District, DNR, SC Sea Grant	10/28/2021	10/28/2021	14
Direct	Conference	Bacteria, General Stormwater, Nutrients, Pesticides, Sediment	Landscapers, landscape designers, nurseries, Contractors, Grounds crew, maintenance, facilities staff, Residential, Stormwater managers, stormwater staff, Stormwater Pond management companies, technical staff, engineers, developers	2021 Beaufort Area Stormwater Pond Conference Virtual Content. The 2021 Beaufort Area Stormwater Pond Conference provided a forum to give the latest information, resources, and tools on stormwater pond management for the Lowcountry community. Topics included rules and regulations, the latest in stormwater pond research, IPM, climate change, aeration, dredging, trees near stormwater ponds, shoreline erosion solutions, and case studies. The impact was determined by attendance and evaluation.	The virtual portion of the 2021 Beaufort Area Stormwater Pond Conference took place on 10/26/21 and 10/27/21. Each day was divided into two 90- minute sessions. 26 people attended the first-morning session, 21 people attended the first afternoon session, 25 people attended the second-morning session, and 25 people attended the second-afternoon session. 31 individuals attended the virtual content live. Of those 31 participants, 20 filled out an evaluation. The evaluation revealed that 65% of	ACE Basin Coastal Training Program, Clemson Extension, DNR, SC Sea Grant	10/26/2021	10/27/2021	31

					respondents thought the content was a good use of their time. 95% of respondents gained knowledge and 95% learned something that they would apply.				
Direct	Event tabling	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Petroleum products, Sediment	K-12 students/youth, Residential, Youth	Shrimp Fest Education Day. During their Shrimp Festival, the Education Day highlights the importance of keeping waterways clean. The LSP provided enviroscape demonstrations and education hand-outs at this event. SC Sea Grant, DNR, the Port Royal Sound Foundation, and the Beaufort County Soil and Water Conservation District were present at this event as well. Roughly 2000 people attended the five-hour event. The impact was determined by attendance.	The Enviroscape, an interactive watershed model, portrayed non-point source pollution and the impacts of stormwater runoff on water quality	City of Beaufort, Clemson Extension, Beaufort County Soil and Water Conservation District, DNR, Port Royal Sound Foundation, SC Sea Grant	10/1/2021	10/1/2021	2000
Direct	Webinar	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Sediment	Residential	Protecting Beaufort County Waterways Presentation. On 9/28/21, the LSP Coordinator gave this 30-minute presentation to the Sea Island Rotary Club during their virtual meeting. The presentation covered topics such as the impacts of stormwater in Beaufort County, common pollutants, and solutions to reduce stormwater footprints. 38 people attended the webinar, and no evaluation was given. The impact was determined by attendance.		Clemson Extension	9/28/2021	9/28/2021	38

Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Petroleum products, Sediments	Residential	Protecting Beaufort County Waterways Presentation and Enviroscape Demonstration. On 9/8/21, the LSP Coordinate gave a 45-minute presentation on topics such as the impacts of stormwater in Beaufort County, common pollutants, and solutions to reduce stormwater footprints. She also gave an enviroscape demonstration. The Enviroscape, an interactive watershed model, portrayed non-point source pollution and the impacts of stormwater runoff on water quality. No evaluation was given, and the impact was determined by attendance.	These activities were for the Beaufort County Senior Leadership Program' Environment Day. There were 30 people in attendance.	Clemson Extension	9/8/2021	9/8/2021	30
Direct	Training	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Petroleum products, Temperature	Higher education students, K-12 students/youth, Residential, Teachers, Youth	South Carolina Adopt-A-Stream Saltwater Protocol Training. The South Carolina Adopt-a-Stream (SC AAS) program created a network of volunteers engaged in watershed stewardship, engagement, and education. SC AAS volunteers played an important role in monitoring and tracking water quality while sharing information about local water resources with their communities. This certification training taught seven people basic watershed science and water quality sampling protocols. The impact was determined by the number of volunteers who became certified.	All seven people were certified.	Clemson Extension, SC DHEC, Port Royal Sound Foundation	8/20/2021	8/20/2021	7

Direct	Council / Committee / Meeting	General Stormwater, Consortium Management	Contractors, Elected & appointed officials and high-level staff, Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Lowcountry Stormwater Partners Consortium Meeting. These meetings were for partner to give updates and address consortium business such as workshops, current events, etc. The impact was determined by attendance.	At this meeting, Amy Scaroni presented the latest Carolina Clear Survey results, Karen Jackson presented changes made to the Carolina Clear reporting database, and all partners gave updates. This event was a hybrid meeting where two members came in person, and thirteen members attended virtually.	Clemson Extension	8/17/2021	8/17/2021	15
Direct	Webinar	Freshwater, General Stormwater	Elected & appointed officials and high-level staff, Residential	Flooding 411: Successful Community Flood Management. This series helped residents better understand the different causes of flooding, the roles various agencies play in flood response and recovery, ways to protect personal and community property, and examples of successful flood management in the state. The 90-minute session on 8/4/21 taught 97 people about four case studies of different kinds of flood management across the coast. The impact was determined by attendance and evaluation.	Dana Johnson from SCOR, Steve Kirk from the City of Charleston, Neil Pugliese from the City of Beaufort, and Joy Brown from the Nature Conservancy all spoke. Fifty-two individuals turned in an evaluation. 94% of respondents thought that the webinar was a good use of their time, 100% of respondents indicated that they gained knowledge, and 64% of respondents indicated that they would apply something they learned in the session.	ACE Basin Coastal Training Program, City of Beaufort, Clemson Extension, DNR, North Inlet-Winyah Bay NERR Coastal Training Program, CISA, SC Sea Grant	8/4/2021	8/4/2021	97

Direct	Training	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Petroleum products, Sediments, Temperature	Elected & appointed officials and high-level staff, Higher education students, K-12 students/youth, Residential, Teachers	South Carolina Adopt-A-Stream Saltwater Protocol Training. The South Carolina Adopt-a-Stream (SC AAS) program created a network of volunteers engaged in watershed stewardship, engagement, and education. SC AAS volunteers played an important role in monitoring and tracking water quality while sharing information about local water resources with their communities. This certification training taught 17 people basic watershed science and water quality sampling protocols. The impact was determined by the number of certified volunteers.	All seventeen people were certified.	Clemson Extension, SC DHEC, Port Royal Sound Foundation, Town of Hilton Head Island	7/30/2021	7/30/2021	17
Direct	Webinar	Freshwater, General Stormwater	Elected & appointed officials and high-level staff, Residential	Flooding 411: Reducing Flood Impacts to your Property and Community. This series helped residents better understand the different causes of flooding, the roles various agencies play in flood response and recovery, ways to protect personal and community property, and examples of successful flood management in the state. The 90-minute session taught participants to manage water on their property, develop a flood readiness strategy, and locate local resources. The impact was determined by the number of participants and the evaluation.	David Thachik from SCEMD, Megan Sabin from SC DHEC, and Kim Morganello spoke. Ninety-three people attended this session. Fifty-three participants turned in an evaluation. 96% of respondents indicated that the session was a good use of their time, 100% stated they gained knowledge, and 67% indicated that they would apply a practice learned in the webinar.	ACE Basin Coastal Training Program, Clemson Extension, DNR, North Inlet-Winyah Bay NERR Coastal Training Program, CISA, SC Sea Grant	7/28/2021	7/28/2021	93

Direct	Webinar	Freshwater, General Stormwater	Elected & appointed officials and high-level staff, Residential	Flooding 411: Who's Who for Flood Management and Recovery. This series helped residents better understand the different causes of flooding, the roles various agencies play in flood response and recovery, ways to protect personal and community property, and examples of successful flood management in the state. The 90-minute session taught participants how to contact appropriate agencies for flood preparation and recovery assistance and gave a background on the NFIP and FEMA flood maps. The impact was determined by attendance and evaluation.	Maria Cox Lamm from SC DNR and the LSP Coordinator spoke. One hundred seven people attended this session. Fifty-four participants turned in an evaluation. 96% of respondents indicated that the session was a good use of their time, 100% stated they gained knowledge, and 66% indicated that they would apply a practice learned in the webinar.	ACE Basin Coastal Training Program, Clemson Extension, DNR, North Inlet-Winyah Bay NERR Coastal Training Program, CISA, SC Sea Grant	7/21/2021	7/21/2021	107
Direct	Webinar	Freshwater, General Stormwater	Elected & appointed officials and high-level staff, Residential	Flooding 411: Water in our Landscape: Constant Change. This series helped residents better understand the different causes of flooding, the roles various agencies play in flood response and recovery, ways to protect personal and community property, and examples of successful flood management in the state. The 90-minute session taught participants about coastal hydrology, different types of flooding, and available tools to understand flooding issues in the local area. The impact was determined by attendance and evaluation.	Joe Boyes from SCOR, Tim Callahan from the CoC, Sarah Watson from SC Sea Grant, and Maeve Snyder from the North Inlet-Winyah Bay NERR Coastal Training Program all spoke. 130 people attended this session. Eighty-four participants turned in an evaluation. 99% of respondents indicated that the session was a good use of their time, 100% stated they gained knowledge, and 73% indicated that they would apply a practice learned in the webinar.	ACE Basin Coastal Training Program, Clemson Extension, DNR, North Inlet-Winyah Bay NERR Coastal Training Program, CISA, SC Sea Grant	7/14/2021	7/14/2021	130

Direct	Webinar	Bacteria	Residential	Be Septic Safe Webinar. This 90-minute webinar taught participants how properly care for septic systems to protect South Carolina waterways. Participants learned about maintenance tips and what to expect during a septic pump-out. Attendees also participated in a question-and-answer session with Tim Stanley from SCDHEC, Will Harris, a septic contractor, and Kim Morganello, a septic user. The impact was determined by attendance and evaluation.	The post-webinar evaluation indicated 100% of respondents strongly or somewhat agreed that participating in this event was a good use of their time and that they are extremely likely to use the information presented. All those respondents indicated that the webinar increased their knowledge of septic systems and their maintenance a moderate amount to a great deal.	Clemson Extension, SC DHEC, Will Harris	6/17/2021	6/17/2021	24
Direct	Webinar	General Stormwater, Nutrients, Sediment	Grounds crew, maintenance, facilities staff, Residential, Stormwater Pond management companies	The Healthy Pond Series: The Ups and Downs of Dredging. The Healthy Pond Series was a community-based discussion series for pond owners to learn and share stormwater pond management solutions. This 1.5-hour webinar covered the importance of dredging and a series of case studies from various panelists describing their experiences with the process. The impact was determined by attendance.		ACE Basin Coastal Training Program, Clemson Extension, SC Sea Grant	6/10/2021	6/10/2021	60

Direct	Council / Committee / Meeting	General Stormwater, Consortium Management	Contractors, Elected & appointed officials and high-level staff, Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Lowcountry Stormwater Partners Consortium Meeting. These meetings were for partner to give updates and address consortium business such as workshops, current events, etc. The impact was determined by attendance.	At this meeting, the group gave updates and made plans for an in-person meeting in August.	Beaufort County, City of Beaufort, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal	6/8/2021	6/8/2021	15
Indirect	Coloring Contest	General Stormwater, Litter	K-12 students/youth, Youth	The "That's My Truck" Coloring Contest. The "That's My Truck" Coloring Contest taught youth that local governments have street sweepers and vacuum trucks that keep pollution like trash and dirt entering our waterways. The coloring contest helped to bring awareness to the importance of these vehicles and their jobs by offering youth the chance to name the trucks! The impact was determined by the number of entries.	The competition is held between all local schools, grades K-5. Coloring contest entries were accepted from 5/10/21 until Monday, 5/31/21. Contest winners were announced on 6/07/21. This year, we received 279 entries. The prizes were delivered on 6/11/21. The trucks visited the winning schools in the fall.	Beaufort County, Clemson Extension, Beaufort County Soil and Water Conservation District	5/10/2021	5/30/2021	279
Direct	Rain Barrel Sale	Freshwater, General Stormwater	Residential	Lowcountry Stormwater Partners Rain Barrel Sale. The Lowcountry Stormwater Partners offered Ivy Rain Barrels for sale. The LSP provided education on setting up and using the barrels. The impact was determined by the number of barrels sold.	17 rain barrels were sold.	Clemson Extension, American Rainwater Solutions	5/1/2021	12/31/2021	17

Direct	Webinar	General Stormwater	Residential	Being a Neighbor for Clean Water Webinar Series: SC Water Resources. Participants learned how SC waterways are used, regulated, and protected. The impact of the webinar was determined through attendance and evaluation.	18 participants attended this one-hour webinar. Five turned in an evaluation. 100% said that the program was a good use of their time, 100% gained knowledge, and 20% plan to apply a practice learned.	Clemson Extension	4/6/2021	4/6/2021	18
Direct	Webinar	Bacteria, General Stormwater, Nutrients, Pesticides, Petroleum products, Sediment, Temperature, Toxic contaminants/ heavy metals	Residential	Being a Neighbor for Clean Water Webinar Series: Understanding "My Water - My Responsibility." Participants learned how water quality data could teach us to impact watershed health. The impact of the webinar was determined through attendance and evaluation.	15 participants attended this one-hour webinar. 4 turned in an evaluation. 100% said that the program was a good use of their time, 100% gained knowledge, and 75% plan to apply a practice learned.	Clemson Extension	4/8/2021	4/8/2021	15
Direct	Webinar	Freshwater, General Stormwater	Residential	Being a Neighbor for Clean Water Webinar Series: Water Use. Participants learned about water use and how to conserve it at home. The impact of the webinar was determined through attendance and evaluation.	10 participants attended this one-hour webinar. Eight turned in an evaluation. 100% said that the program was a good use of their time, 100% gained knowledge, and 62.5% plan to apply a practice learned.	Clemson Extension	4/13/2021	4/13/2021	10
Direct	Webinar	Freshwater, General Stormwater	Residential	Being a Neighbor for Clean Water Webinar Series: Waterwise Landscaping. Participants learned about landscaping practices that can better prepare you for times of drought. The impact of the webinar was determined through attendance and evaluation.	Seven participants attended this one-hour webinar. One turned in an evaluation. 100% said that the program was a good use of their time, 100% indicated they gained knowledge, and 100% indicated they would apply a practice learned.	Clemson Extension	4/15/2021	4/15/2021	7

Direct	Webinar	Bacteria, Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Residential	Being a Neighbor for Clean Water Webinar Series: Managing Water in the Home Landscape. Participants learned about landscape practices that promote infiltration and healthy ecology. The impact of the webinar was determined through attendance and evaluation.	Five participants attended this one-hour webinar. One turned in an evaluation. 100% said that the program was a good use of their time, 100% indicated they gained knowledge, and 100% indicated they would apply a practice learned.	Clemson Extension	4/20/2021	4/20/2021	5
Direct	Webinar	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Residential	Being a Neighbor for Clean Water Webinar Series: Native Plants. Participants learned how native plants benefit their yards and local waterways. The impact of the webinar was determined through attendance.	Seven attended this one-hour webinar. An evaluation was provided, but no attendees filled it out.	Clemson Extension	4/22/2021	4/22/2021	7
Direct	Webinar	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Being a Neighbor for Clean Water Webinar Series: Healthy Ponds, Healthy Communities. Participants learned how to manage stormwater ponds and protect water quality. The impact of the webinar was determined through attendance and evaluation.	Six participants attended this one-hour webinar. 2 turned in an evaluation. 100% said that the program was a good use of their time, 100% indicated that they gained knowledge, and 0% indicated that they would apply a practice learned.	Clemson Extension	4/27/2021	4/27/2021	6
Direct	Webinar	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Sediment	Residential	Being a Neighbor for Clean Water Webinar Series: Using Citizen Science to Become a Neighbor for Clean Water. Participants learned about local citizen science programs and how their involvement can help protect our SC waterways. The impact of the webinar was determined through attendance and evaluation.	4 participants attended this one-hour webinar. 2 turned in an evaluation. 100% said that the program was a good use of their time, 100% indicated that they gained knowledge, and 0% indicated that they would apply a practice learned.	Clemson Extension	4/29/2021	4/29/2021	4

Direct	Webinar	Bacteria, Freshwater, General Stormwater, Nutrients, Sediment	Residential, Stormwater Pond managers	Keeping Ponds Healthy with Proactive Management. This 90-minute webinar covered an overview of pond design and maintenance. 8 participants attended the webinar and zero individuals turned in an evaluation. The impact was determined by attendance and evaluation.		Clemson Extension	3/31/2021	3/31/2021	9
Direct	Webinar	General Stormwater, Nutrients	Residential	Soil Sample Drive at Moss Creek. This one-hour webinar covered the pros and cons of fertilizer and how to interpret soil sample results. Nine participants attended the webinar, and zero individuals turned in an evaluation. The impact was determined by attendance and evaluation.		Clemson Extension	3/29/2021	3/29/2021	9
Direct	Webinar	General Stormwater, Nutrients	Grounds crew, maintenance, facilities staff, Residential	Healthy Pond Series: Aquatic Plant Management. The Healthy Pond Series was a community-based discussion series for pond owners to learn and share stormwater pond management solutions. This 90-minute webinar covered IPM strategies for stormwater ponds. 63 participants attended the webinar. The impact was determined by attendance.		ACE Basin Coastal Training Program, Clemson Extension, SC Sea Grant	3/4/2021	3/4/2021	63

Direct	Council / Committee / Meeting	General Stormwater, Consortium Management	Elected & appointed officials and high-level staff, Stormwater Pond managers, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Lowcountry Stormwater Partners Consortium Meeting. These meetings were for partner to give updates and address consortium business such as workshops, current events, etc. The impact was determined by attendance.	At this meeting, the 15 partners in attendance reviewed Earth Day Plans, gave updates, and planned the next meeting agenda.	Beaufort County, City of Beaufort, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal	2/16/2021	2/16/2021	15
Direct	Webinar	Bacteria, Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Residential	Protecting Beaufort County Waterways Presentation. On 2/9/21, the LSP Coordinator gave this 30-minute presentation to the Hilton Head Plantation's Women's Club during their virtual meeting. The presentation covered topics such as the impacts of stormwater in Beaufort County, common pollutants, and solutions to reduce stormwater footprints. 45 people attended the webinar, and no evaluation was given. The impact was determined by attendance.		Clemson Extension	2/9/2021	2/9/2021	45
Direct	Webinar	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Residential	Rain Gardens Webinar. On 02/04/2021, the LSP Coordinator gave a 40-minute presentation on rain gardens to the Lady's Island Garden Club. Presentation topics included rain garden function, design, and installation. Eighteen people attended the webinar, and zero participants returned an evaluation. The impact was determined by attendance.		Clemson Extension	2/4/2021	2/4/2021	18

Direct	Webinar	Freshwater, General Stormwater, Litter, Petroleum products, Pharmaceuticals and personal care products, Sediment, Toxic contaminants/ heavy metals	Elected & appointed officials and high-level staff	IDDE Training Webinar. The LSP co-presented a webinar about IDDE and good housekeeping measures with Katie Herrera of Beaufort County Stormwater. This webinar covered IDDE, common stormwater pollutants, and ways to prevent both issues. The impact was determined by attendance.	This was a pitch to the Beaufort County Fire Marshal (the only attendee) to see if this kind of training would apply to active-duty firefighters. He believed it was and will be scheduling us to train the firefighters in the new year.	Beaufort County, Clemson Extension	12/7/2020	12/7/2020	1
Direct	Council / Committee / Meeting	General Stormwater, Consortium Management	Elected & appointed officials and high-level staff, Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Lowcountry Stormwater Partners Consortium Meeting. These meetings were for partner to give updates and address consortium business such as workshops, current events, etc. The impact was determined by attendance.	At this meeting members reviewed the 2020 LSP Annual Report, shared updates, and planned next year's meetings.	Beaufort County, City of Beaufort, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal	11/17/2020	11/17/2020	18
Direct	Webinar	General Stormwater, Nutrients, Sediment	Residential	Master Gardener Water Wednesday Webinar Series: Stormwater Ponds and Floating Wetlands. Water Wednesdays was a series of six virtual learning opportunities designed to provide in-depth content on water-related topics. The 10/13/2020 session provided information on stormwater ponds and floating wetlands. The impact was determined by attendance and evaluation.	17 Master Gardeners participated in the webinar. An evaluation was distributed electronically. 100% (8/8) said this program increased their knowledge about stormwater ponds and floating wetlands. 12.5%% (1/8) said they plan to act, while 87.5% (7/8) were unsure.	Beaufort Master Gardeners, Clemson Extension	10/13/2020	10/13/2020	17

Direct	Webinar	Bacteria, Freshwater, General Stormwater, Nutrients, Pesticides	Residential	Master Gardener Water Wednesday Webinar Series: Vegetated Buffers. Water Wednesdays was a series of six virtual learning opportunities designed to provide in-depth content on water-related topics. The 10/28/2020 session provided information on vegetative buffers. The impact was determined by attendance and evaluation.	40 Master Gardeners participated in the webinar. An evaluation was distributed electronically. 93%% (13/14) said this program increased their knowledge about vegetative buffers. 71% (10/14) said they plan to act because of participating in this session. Of those that responded yes, they would act: 36.4%% (4/11) said they plan to install a vegetated buffer around a pond, salt marsh, or tidal creek; 27.3% (3/11) plan to encourage a low-mow meadow around a pond, salt marsh, or tidal creed; and 36.3% (4/11) plan to educate their HOA/pond committee/neighbors about the importance of buffers. 92.3% (12/13) indicate feeling more equipped to assist homeowners seeking information on vegetative buffers.	Beaufort Master Gardeners, Clemson Extension	10/28/2020	10/28/2020	40
--------	---------	---	-------------	---	---	--	------------	------------	----

Direct	Webinar	Bacteria, Freshwater, General Stormwater, Pesticides, Sediment	Landscapers, landscape designers, nurseries, Grounds crew, maintenance, facilities staff, Residential, Stormwater Pond management companies, Stormwater Pond managers	Healthy Pond Series: Pond Talk! The Healthy Pond Series was a community-based discussion series for pond owners to learn and share stormwater pond management solutions. In this session, participants learned best practices for communicating pond management strategies with their community, as well as the basic elements of social marketing techniques to motivate actions that support healthy ponds. The impact was determined by attendance and evaluation.	This session took place on 10/22/2020 from 2:00 pm to 3:30 pm. Nine people attended and five people filled out the evaluation. 80% of respondents that the webinar was a good use of their time, 100% reported knowledge gain, and 80% reported that they would use a practice learned during the webinar.	ACE Basin Coastal Training Program, Clemson Extension	10/22/2020	10/22/2020	9
Indirect	Newsletter	General Stormwater, Nutrients	Residential	The Changing Tides Newsletter. This newsletter was meant to inform the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured through the number of people receiving it and the percentage of recipients who open it.	This edition was published on 12/13/2021 and included an article on the water quality benefits of native plants. It was sent to 146 individuals, and 48.3% of recipients opened the newsletter.	Clemson Extension	12/13/2021	12/13/2021	146
Indirect	Newsletter	Bacteria, General Stormwater	Residential	The Changing Tides Newsletter. This newsletter was meant to inform the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured through the number of people receiving it and the percentage of recipients who open it.	This edition was published on 11/24/2021 and included an article on septic tank maintenance. It was sent to 139 individuals, and 48.6% of recipients opened the newsletter.	Clemson Extension	11/24/2021	11/24/2021	139

Indirect	Newsletter	General Stormwater, Sediment	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 11/03/2021 and included an article on the benefits of living shorelines. It was sent to 138 individuals, and 47.8% of recipients opened the newsletter.	Clemson Extension	11/3/2021	11/3/2021	138
Indirect	Newsletter	General Stormwater, Litter	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 10/13/2021 and included an article on the Town of Bluffton's Bridge Street Streetscape Project. It was sent to 137 individuals, and 51.1% of recipients opened the newsletter.	Clemson Extension	10/13/2021	10/13/2021	137
Indirect	Newsletter	Freshwater, General Stormwater	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 08/03/2021 and included an article on the water quality benefits of rainwater harvesting. It was sent to 136 individuals, and 51.1% of recipients opened the newsletter.	Clemson Extension	8/3/2021	8/3/2021	136
Indirect	Newsletter	General Stormwater, Nutrients, Sediment	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 04/02/2021 and included an article on the water quality benefits of vegetated buffers. It was sent to 138 individuals, and 51.8% of recipients opened the newsletter.	Clemson Extension	4/2/2021	4/2/2021	138

Indirect	Newsletter	Bacteria, General Stormwater, Nutrients	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 02/26/2021 and included an article on how to protect the salt marsh from common stormwater pollutants. It was sent to 138 individuals, and 45.3% of recipients opened the newsletter.	Clemson Extension	2/26/2021	2/26/2021	138
Indirect	Newsletter	General Stormwater, Nutrients, Sediment	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 01/14/2021 and included an article on the water quality benefits of trees. It was sent to 138 individuals, and 48.2% of recipients opened the newsletter.	Clemson Extension	1/14/2021	1/14/2021	138
Indirect	Newsletter	Freshwater, General Stormwater	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 12/16/2020 and included an article on green infrastructure. It was sent to 137 individuals, and 49.3% of recipients opened the newsletter.	Clemson Extension	12/16/2020	12/16/2020	137
Indirect	Newsletter	General Stormwater, Temperature	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 11/12/2020 and included an article on the causes of fish kills in stormwater ponds. It was sent to 137 individuals, and 48.9% of recipients opened the newsletter.	Clemson Extension	11/12/2020	11/12/2020	137

Indirect	Newsletter	General Stormwater, Nutrients, Sediment	Residential	The Changing Tides Newsletter. This newsletter informed the public about recent, current, and upcoming public education and participation opportunities. Its effectiveness was measured by the number of people it was sent to and opened by.	This edition was published on 10/14/2020 and included an article on the water quality benefits of vegetated stormwater pond buffers. It was sent to 131 individuals, and 38.5% of recipients opened the newsletter.	Clemson Extension	10/14/2020	10/14/2020	131
Direct	Soil Sample	Nutrients	Agriculture, Landscapers, landscape designers, nurseries, Grounds crew, maintenance, facilities staff, Residential	Soil Samples. Clemson Extension offered citizens the option of having their soils tested to ensure they do not overfertilize their plants. The impact was determined by the number of soil samples requested in Beaufort County.		Clemson Extension	10/1/2020	12/31/2021	340
Direct	Water Testing	Nutrients, Toxic contaminants/ heavy metals	Agriculture, Landscapers, nurseries, Grounds crew, maintenance, facilities staff, Plant Nurseries, Residential, Pond management companies	Water Testing. Clemson Extension offered citizens the opportunity to test water. Stormwater pond managers also used this service to test the health and efficacy of stormwater ponds. The impact was determined by the amount of water testing requests in Beaufort County.		Clemson Extension	10/1/2020	12/31/2021	8
Indirect	Webpage / social media	FOG, Freshwater, General Stormwater, Litter, Pesticides	General Public	The Lowcountry Stormwater Partners website. This website contained information and resources for LSP activities, POCs, and publications. The total number of unique site views determined the impact.		Clemson Extension	10/1/2020	12/31/2021	295
Indirect	Webpage / social media	Bacteria	Residential	Be Septic Safe Website. This website covered septic system maintenance, failures, types, locations, regulations, and other useful		Clemson Extension, SC DHEC	2/1/2021	12/31/2021	838

				information for septic system owners. The impact was determined by unique website visits.					
Direct	Direct Contacts	Freshwater, General Stormwater, Pesticides	Landscapers, designers, elected & appointed officials, high-level staff, maintenance, facilities staff, higher education students, residential, stormwater pond management companies and managers, supervisory staff, administrators, teachers, technical staff, engineers, developers	Client Requests for Information. The Lowcountry Stormwater Partners Coordinator accepted direct requests for information about stormwater-related topics from the public. The coordinator supplied information through emails, phone calls, office meetings, and site visits. The impact was determined by the number of individuals who reached out for assistance.	58 clients requested information on topics including, but not exclusive to, pond management, rain gardens, rain barrels, planted buffers, native plants, and drainage issues.	Clemson Extension	10/1/2020	12/31/2021	58
Indirect	Webpage / social media	Bacteria	General Public	Carolina Clear's Pet Owners Website. This website contained information on the impacts of pet waste on water quality and how pet owners could reduce bacterial pollution. It included links and videos about the pet waste pledge. The impact was determined by unique site visits.		Clemson Extension	10/1/2020	12/31/2021	170

Indirect	Webpage / social media	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment, Litter, Petroleum Products, FOG, Pesticides, Pharmaceuticals and personal care products, Toxic contaminants/ heavy metals	General Public	Lowcountry Stormwater Partners Partners Facebook Page. These pages were managed by partner organizations but assisted the Lowcountry Stormwater Partners in spreading information about public participation opportunities and other relevant information. The impact was determined by total number of page likes.		All consortium partners	10/1/2020	12/31/2021	280993
Indirect	Webpage / social media	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment, Litter, Petroleum Products, FOG, Pesticides	General Public	Lowcountry Stormwater Partners Facebook Page. This page provided a forum to increase awareness of storm water's effects on water quality and increase awareness of public participation opportunities. The impact was determined through post reach.	The LSP Facebook page grew from 293 likes to 394 likes and posted 166 times during this reporting period. The impacts reported did not include the posts or post reach information from the Be Septic Safe Social Media Campaign.	Clemson Extension	10/1/2020	12/31/2021	12129
Indirect	Brochure / outreach material	General Stormwater, Bacteria, Nutrients, Sediment, Freshwater, FOG, Pesticides	General Public	Brochures / Rack Cards. These resources covered information on LID practices and stormwater-friendly behavior.	11 rack cards were made available this year. Topics included rain gardens, rain barrels, compost, keeping storm drains clear, FOG, stormwater pond maintenance, native plants, and litter. Rack cards on ditch maintenance, sediment and erosion control on construction sites, stormwater pond	Clemson Extension	10/1/2020	12/31/2021	

					management, and securing trash loads in trucks were developed.				
Indirect	Brochure / outreach material	General Stormwater, Nutrients, Sediment	General Public	Soil Sample Bags at Events. The act of giving away soil sample bags encouraged residents to perform soil tests prior to fertilizing their landscapes.	Soil sample bags were distributed at the Clemson Extension Office, the three farmer's markets in the county, and at community partner offices.	Clemson Extension	10/1/2020	12/31/2021	
Indirect	Educational signage	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment	General Public	LID Signs. These signs educated the public on the importance and function of LID practices in demonstration sites.	Eight signs were made available this year. LID practices included rain gardens, floating wetlands, permeable pavers, keeping ditches clear, rainwater harvesting, stormwater ponds, vegetated shorelines, and bioretention.	Clemson Extension	10/1/2020	12/31/2021	
Indirect	Brochure / outreach material	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment	General Public	Rain Garden Step-Stake signs. This sign was intended to be put on new construction projects to educate homeowners on the importance of their rain gardens.	The signs were designed and can be printed on demand for donation and partner construction projects.	Clemson Extension	10/1/2020	12/31/2021	
Indirect	Brochure / outreach material	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment	General Public	2019-2023 Lowcountry Stormwater Partner Stormwater Outreach Strategic Plan. This plan prioritized three pollutants of concern (bacteria, nutrients, and freshwater) for the region, provided education and outreach strategies related to these pollutants, and developed timelines and evaluation mechanisms for these strategies.	This document was published in November 2019 to replace the 2016-2018 Lowcountry Stormwater Partner Stormwater Outreach Strategic Plan. This reporting year concluded Year 2 and began year 3 of the strategic plan.	Clemson Extension	10/1/2020	12/31/2021	

Indirect	Brochure / outreach material	General Stormwater, Bacteria	Residential	Bilingual Septic Brochures. These brochures, published in both English and Spanish, will explain the importance of septic system maintenance and refer residents to the information and resources on the septic system website. The impact will be determined by their distribution.	The planning process for these brochures began in the fall of 2021. They are still being created.	Clemson Extension	10/1/2021	12/31/2021	
Indirect	Webpage / social media	General Stormwater, Bacteria	Residential	Septic E-Reminder. This program sent an email to subscribers reminding them to schedule a septic system inspection annually. The impact was determined by the number of subscribers.		Clemson Extension	10/1/2020	12/31/2021	5
Indirect	Newsletter	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment	Grounds crew / maintenance / facilities staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies	Big News for Small Ponds Mailing List May 2020. This mailing list was intended for both pond managers and owners in Beaufort, Jasper, Colleton, and Hampton Counties. By signing up for the mailing list, participants received emails or direct mailers about local, pond-related resources, trainings, events, and certification opportunities. Participants had the option to receive both virtual and direct mailings about opportunities and this satisfies the direct mailing requirement of the strategic plan. Its effectiveness was determined by the number of subscribers and the percent of recipients who open the publication.	The newsletter was sent to 43 people 37.2% of recipients opened the newsletter.	Clemson Extension	10/6/2020	10/6/2020	43

Indirect	Newsletter	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment	Grounds crew / maintenance / facilities staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies	Big News for Small Ponds Mailing List May 2020. This 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 receive emails or direct mailers about local, pond-related resources, trainings, events, and certification opportunities. Participants have the option to receive both virtual and direct mailings about opportunities and this satisfies the direct mailing requirement of the strategic plan. Its effectiveness is determined by the number of subscribers and the percent that open the publication.	The newsletter was sent to 45 people 47.7% of recipients opened the newsletter.	Clemson Extension	11/4/2020	11/4/2020	45
Indirect	Newsletter	General Stormwater, Freshwater, Nutrients, Bacteria, Sediment	Grounds crew / maintenance / facilities staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies	Big News for Small Ponds Mailing List May 2020. This 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 receive emails or direct mailers about local, pond-related resources, trainings, events, and certification opportunities. Participants have the option to receive both virtual and direct mailings about opportunities and this satisfies the direct mailing requirement of the strategic plan. Its effectiveness is determined by percent that open the publication.	The newsletter was sent to 143 people 42.6% of recipients opened the newsletter.	Clemson Extension	10/20/2021	10/20/2021	143

Indirect	Brochure / Outreach material	General Stormwater, Bacteria	Pet owners, Residential	Leash Dog Bag Holders. These bag holders are given away to promote picking up pet waste.	The holders were ordered and were given to partners for distribution.	Clemson Extension	10/1/2020	12/31/2021	
Indirect	Educational signage	General Stormwater, Bacteria	Pet owners, Residential	Pet Waste Signs. These signs encouraged pet owners to pick up after their dogs and take the pet waste pledge.	The signs were designed and will be printed as part of the upcoming small grants program as well as on demand for donation and partner construction projects.	Clemson Extension	10/1/2020	12/31/2021	
Indirect	Brochure / Outreach material	General Stormwater, Bacteria, Nutrients, Sediment, Freshwater	Residential	LSP Welcome to the Neighborhood Buffer Packet. This packet taught new residents the importance of saltmarsh buffers. It included a welcome letter, factsheets, plant lists, an example buffer design, cost estimations, and a contact sheet for local buffer ordinances.		Clemson Extension	10/1/2020	12/31/2021	
Direct	Pledge	General Stormwater, Bacteria	Pet owners, Residential	Pet Waste Pledge. This pledge indicated that a person promised to pick up after their pet to reduce bacterial pollution in water. The impact was determined by the number of people who took the pledge during the reporting period.	The pledge was made available 24/7 at https://mailchi.mp/5585f928a783/pet-waste-pledge	Clemson Extension	10/1/2020	12/31/2021	5
Direct	Training	Freshwater, General Stormwater, Nutrients,	Landscapers, landscape designers, nurseries,	Master Rain Gardener Course. The Master Rain Gardener program offered a hybrid curriculum allowing	One course took place during the reporting period. It certified 25 participants and gave	Clemson Extension	10/1/2020	12/31/2021	49

		Pesticides, Sediment	Residential, Teachers, Technical staff, engineers, developers	for self-paced online learning modules, hands-on field experience, and a two-track option to meet the needs of diverse audiences. The impact was measured by the number of participants and the number of certifications issued.	letters of completion to 24 participants.				
Direct	Training	Freshwater, General Stormwater, Pesticides	Stormwater managers, stormwater staff, Stormwater Pond management companies, Stormwater Pond managers	Master Pond Manager Course. This course taught participants a wide range of pond management knowledge and skills. As a hybrid course that combined online and face-to-face learning, it incorporated self-paced lectures, discussion, quizzes, and other web-based methods of participant-instructor interaction, along with hands-on participation activities in the field. Its success was determined by the number of participants and certifications.	This course was offered once in Spring 2021 and then again in Fall 2021. 30 out of 43 participants became certified Master Pond Managers.	Clemson Extension	10/1/2020	12/31/2021	43
Direct	Training	Freshwater, General Stormwater	Stormwater managers, stormwater staff, technical staff, engineers, developers	Post Construction Best Management Practice Inspector Course. This program provided online, and field-based training focused on inspection and maintenance of BMPs used for stormwater management. Students had the chance to discuss and view bioswales, dry detention basins, wet detention basins, and more. Success was measured in the number of participants, certifications, and re-certs.	The certification course was offered in the spring and fall of 2021. The re-certification course was offered in the fall of 2021. In total, 81 professionals were certified, and 28 professionals were re-certified in 2021.	Clemson Extension	10/1/2020	12/31/2021	109

Direct	Training	Freshwater, General Stormwater	Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Certified Stormwater Plan Reviewer (CSPR). The CSPR Program educated personnel on the proper design and review of stormwater and sediment control plans for development sites to meet state and local regulations. Success was measured in the number of participants, certifications, and recertifications.	Due to precautions associated with COVID-19, 2021 certifications and recertifications were offered online and reduced capacity in-person formats. 78 people received either certifications or recertifications.	Clemson Extension, SC DHEC	10/1/2020	12/31/2021	78
Direct	Training	General Stormwater, Sediments, Sediment	Landscapers, landscape designers, nurseries, Contractors, Grounds crew, maintenance, facilities staff	Certified Erosion Prevention and Sediment Control Inspector (CEPSCI). The CEPSCI Program educated field personnel on the proper installation, maintenance, and inspection of erosion prevention and sediment control measures at construction sites to meet state and local regulations. Success was measured in the number of participants, certifications, and recertifications.	Due to precautions associated with COVID-19, 2021 certifications and recertifications were offered as online and reduced capacity in-person formats. 973 participants earned either a certification or re-certification.	Clemson Extension, SC DHEC, SC DOT	10/1/2020	12/31/2021	973
Indirect	Webpage / social media	FOG, Freshwater, General Stormwater, Litter	General Public	Carolina Clear YouTube Channel. This channel provided a clearinghouse of stormwater information. The number of video views determined the impact.	During this reporting period, the channel received 23,700 views, with an average of two minutes and four seconds. Twenty-one new videos were uploaded, and the channel gained 126 subscribers.	Clemson Extension	10/1/2020	12/31/2021	23700
Indirect	Brochure / outreach material	FOG, Freshwater, General Stormwater,	General Public	Clemson Extension HGIC LID / BMP Factsheets and Blog Posts. These publications taught citizens how to positively impact	There are 85 factsheets and blog posts available. Six of them were written during the reporting period	Clemson Extension	10/1/2020	12/31/2021	3357

		Litter, Pesticides		local water quality through LID practices, BMPs, and other behaviors. The impact was determined through the number of views of the factsheets that were published during the reporting period.	and were viewed by 3357 unique individuals.				
Indirect	Brochure / outreach material	Bacteria	Residential	Be Septic Safe Magnet. This magnet taught homeowners what not to put down their drains to protect their septic systems. It also provided a way to track pump-out-related information such as the last time the septic system was serviced, who serviced it, and when the next service will be required. The impact was determined by the number of magnets distributed.		Clemson Extension, SC DHEC	10/1/2020	12/31/2021	200
Indirect	Webpage / social media	General Stormwater	Residential	"Making It Grow!" Facebook Page. SCETV and Clemson Extension's "Making It Grow!"s shared home and garden information to South Carolina residents as well as water quality tips. The impact was determined by the post-reach of water quality content.	During the reporting period, there was one water-related post on the Facebook page. The post was a video about oyster shell recycling, and it reached 3,700 people.	Clemson Extension, SC ETV	10/1/2020	12/31/2021	3700

Indirect	Television / Video	General Stormwater, Nutrients, Sediments	Agriculture, Landscapers, landscape designers, nurseries, Grounds crew, maintenance, facilities staff, Plant Nurseries, Residential	"Making It Grow!". SCETV and Clemson Extension's "Making It Grow!" TV show shared home and garden information to South Carolina residents as well as water quality tips during the broadcast. The average number of viewers of water-quality-related content determined the impact.	During the reporting period, two water segments aired. The first was on 07/06/2021 and covered how macroinvertebrates relate to water quality. The second was on 12/14/21 and covered how to recycle oyster shells. Each segment received 21,331* viewers per episode. Disclaimer: *Number reported is the average number of persons per household applied to the projected number of households that viewed Making It Grow! for January – November 2021. This number is conservative as it does not account for the SC Channel and only represents one episode's viewing.	Clemson Extension, SC ETV	10/1/2020	12/31/2021	21331
Indirect	Webpage / social media	FOG, General Stormwater, Litter, Pesticides, Petroleum products, Pharmaceuticals and personal care products, Toxic contaminants/ heavy metals	General Public	Carolina Clear Facebook Page. This page increased awareness of storm water's effects on water quality and increased awareness of public participation opportunities. The impact was determined through post-reach.		Clemson Extension	10/1/2020	12/31/2021	54128

Indirect	Webpage / social media	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Landscapers, landscape designers, nurseries, Contractors, Grounds crew, maintenance, facilities staff, Residential	The Carolina Rain Garden Initiative Web Page. This webpage contained resources and information for professional and residential audiences on rain gardens. The impact was determined by the total number of unique site views.		Clemson Extension	10/1/2020	12/31/2021	4638
Indirect	Webpage / social media	General Stormwater	General Public	Clemson Extension's Water Resources Team Webpage. This website was a clearinghouse of information and links to pertinent stormwater and water-quality related information across the Clemson Extension website. The impact was determined by the total number of unique site views.		Clemson Extension	10/1/2020	12/31/2021	1560
Indirect	Webpage / social media	Freshwater, General Stormwater, Pesticides, Nutrients, Pesticides	Stormwater managers, stormwater staff, Stormwater Pond management companies, Stormwater Pond managers	The SC Stormwater Pond Website. This website provided information, resources, and troubleshooting assistance for pond owners and managers. The impact was determined by the total number of unique site views.		Clemson Extension	10/1/2020	12/31/2021	85083
Indirect	Webpage / social media	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Carolina Yards Website. The website aimed to provide information on using simple principles and actions to guide residents towards creating low maintenance and environmentally friendly yards. The impact was determined by the total number of unique site views.		Clemson Extension	10/1/2020	12/31/2021	28749

Indirect	Webpage / social media	FOG, General Stormwater, Litter, Pesticides, Petroleum products, Toxic contaminants/ heavy metals	General Public	The Clemson Extension Carolina Clear Program's webpage. This website provided a wide variety of stormwater-based information. The impact was determined by the total number of unique site views.		Clemson Extension	10/1/2020	12/31/2021	9447
Indirect	Publication / Article	Freshwater, General Stormwater, Nutrients, Sediment	General Public	Water-Related Clemson Newsstand Articles. Clemson News was the go-to source for stories and news about the innovations, research, and accomplishments of the Clemson Family. These articles related to water quality and water quantity topics. Their impact was determined by the unique views of each article.	During the reporting period, there were three applicable articles. They were published on 10/24/21, 06/03/21, and 03/24/21. They covered living shorelines, dams, and the Carolina Clear survey, respectively. Collectively, they reached 1916 people.	Clemson Extension	10/1/2020	12/31/2021	1916
Indirect	Billboard	FOG	Residential	Clemson Extension's Carolina Clear Fats, Oils, and Grease Mass Media Campaign Billboard. In 2020, Clemson Extension's Carolina program launched its newest mass media campaign focused on the proper management and disposal of fats, oil, and grease (FOG). The target behavior of "Can it, Cool it, Trash it" will prevent FOGs from clogging pipes and causing environmental harm to downstream water quality. Their impact was determined by the total number of impressions reported.	The multi-part mass media campaign included a billboard series and television commercial. In the fall of 2020, there were 22 copies of the billboard installed in eleven Counties around the state. The billboard campaign was made possible through a partnership with the Outdoor Advertising Association of South Carolina. Two billboards were hung in during the reporting period.	Clemson Extension, Outdoor Advertising Association of South Carolina	10/1/2020	12/31/2021	271528

Indirect	Television / Video	FOG	Residential	Clemson Extension's Carolina Clear Fats, Oils, and Grease Mass Media Campaign Commercial. In 2020, Clemson Extension's Carolina program launched its newest mass media campaign focused on the proper management and disposal of fats, oil, and grease (FOG). The target behavior of "Can it, Cool it, Trash it" will prevent FOGs from clogging pipes and causing environmental harm to downstream water quality. The impact was determined by the total impressions.	The associated television commercial was one minute in length and depicted someone cooking in a residential setting in which the individual was met with conflicting advice from an angelic plumber and a grease goblin. In 2020, the commercial was aired in the LSP region on a Comcast Spotlight with a total viewership of 287,593 impressions. To view the commercial, visit https://www.youtube.com/watch?v=Y2-tvWMHW4Q	Clemson Extension	10/1/2020	12/31/2021	287593
Direct	Training	General Stormwater, Sediment, Nutrients, Bacteria, Freshwater	General Public	Salt Marsh Short Course. This four-week online class was offered for free to anyone interested in learning more about the SC salt marsh. The course included information on threats to the salt marsh, flora and fauna highlights, oyster reef ecology and stewardship actions. The impact was determined by attendance.	This course was made possible in part by funding from NOAA.	Clemson Extension, DNR, SC Sea Grant, NOAA,	10/1/2021	12/31/2021	224
Direct	Training	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Carolina Yards Program. This program worked with residents to create healthy, watershed-friendly landscapes through factsheets, brochure, and videos. The program's success is measured in newly certified yards.		Clemson Extension	1/1/2021	12/31/2021	97

Direct	Workshop	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Carolina Yards Course. This online course helped gardeners learn to grow and maintain a low maintenance, low impact yard Carolina Yard. Its success was determined through participation, an evaluation, and the number of participant yards certified.	25 people registered for the class and 18 people completed all the course modules. 14 participants certified their yards because of this course.	Clemson Extension	3/16/2021	5/17/2021	25
Indirect	Webpage / social media	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Carolina Yards Facebook Page. The goal of this page was to increase awareness of effective actions to create a low maintenance and environmentally friendly yard. The impact was determined through post reach.		Clemson Extension	1/1/2021	12/31/2021	58407
Indirect	Webpage / social media	General Stormwater, Sediment	Residential, Commercial, Technical staff, engineers, developers, Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers	Clemson Extension's Living Shorelines Website. This website provided information on the new permitting process for living shoreline installation. This new regulation provided residents with an additional option for stabilizing shorelines along tidal waters. Living shorelines were a powerful tool to proactively protect estuarine shorelines and prevent erosion along residential and commercial properties. This website helped users to learn more about living shorelines and what methods may be appropriate for their site. The impact was determined by unique site visits.		Clemson Extension	10/1/2021	12/31/2021	898
TOTAL									1372797

C. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule:

The Lowcountry Stormwater Partners (LSP) successfully implemented MCM#1 in the Hilton Head Urbanized Area. Both qualitative and quantitative data support the LSP's success. From 10/1/2020 to 12/31/2022, the LSP recorded 1,372,797 impacts. In the 2020 reporting year, the LSP recorded 1,290,898 impacts. Between 2020 and 2021, the LSP increased its impact by 6%. The LSP also increased the number of programs offered by 16% this year. The consortium provided 212 programs in 2021 instead of the 183 programs offered in 2020.

However, COVID-19 continued to be an obstacle. The LSP faced dwindling virtual program numbers as people became increasingly "Zoomed-out" and avoided longer, in-depth programming. Like many other organizations, the consortium could not offer in-person or hybrid events until the late summer of 2021. The LSP kept their in-person events smaller to reduce the possibility of transmitting COVID-19 to the community. Event organizers outside the LSP consortium faced the same dilemma and did not offer as many opportunities to present, table, and engage their audiences to the LSP as in previous years. The ability to provide in-person and hybrid events revitalized program participation for organizations inside and outside the LSP, but not enough to reverse the unfortunate drop in the average number of programs and impacts per month. Last year, the LSP averaged 15 programs and 107,575 impacts a month. This year, the consortium averaged 14 programs and 91,520 impacts a month. The silver lining is that through efforts to increase the total number of programs delivered, the consortium increased the percentage of programs that educate and involve target audiences directly from 64% to 73%.

The 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan led to this success. This document provides a blueprint for education strategies focused on target pollutants and behaviors. This strategic plan is considered a "living" document to allow refinement, supplementation, and flexibility as regional efforts evolve over the next five years. The plan prioritizes the three issues identified as most significant to the region from July 1, 2019, to June 30, 2023, provides information on education strategies related to the priority issues, and develops timelines and evaluation methods to guide and measure effectiveness. The priority issues identified in the plan do not exclude other awareness and education efforts. The priority issues for the LSP are three primary pollutants: bacteria, nutrients, and freshwater. Interested readers can find further information on the LSP's priorities in the attached strategic plan.

During this reporting period, the LSP completed Year Two of the plan on June 30, 2020 and entered Year Three on July 1, 2021. The LSP successfully implemented all but two programs laid out by Year Two and has completed implementing roughly half of Year Three programs. Therefore, the consortium is on track with its aggressive implementation schedule.

South Carolina NPDES Permit # SCR030000

Small Municipal Separate Storm Sewer System (SMS4)

Annual Report Template

Completed Year Two programs include:

- Pet waste station signs
 - These signs exist on all pet waste stations. The LSP has signs with the pet waste pledge information that will be installed with future stations. The signs are ready to print.
- Pet waste pledge
 - Five people took the pledge.
- Leash dog waste bag holder giveaways
 - These items are available through several partners.
- Online resources for septic systems
 - The Be Septic Safe website is live. This website covers septic system maintenance, failures, types, locations, regulations, and other useful information for septic system owners. The website received 898 unique views.
- Automatic e-reminder for septic owners to schedule an inspection
 - The Be Septic Safe website included a form for septic system owners to receive this reminder. Five septic system owners filled out the form
- Mailers to HOAs/landscaping companies with soil sampling information
 - This project was delayed due to the changes in soil testing procedures due to COVID-19.
- “Healthy Pond” workshops
 - The LSP held this workshop once virtually. Nine people attended. This offering marked the fifth workshop provided to the consortium area. Therefore, the LSP met the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- “Healthy Pond Series” program
 - The LSP offered three sessions of the Healthy Pond Series, one on 10/22/20, one on 3/4/21, and one on 6/10/21. 133 people attended. These offerings marked the fifth workshop provided to the consortium area. Therefore, the LSP exceeded the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- Master Pond Manager
 - Clemson Extension offered this course once in the Spring of 2021. The data will be reported under “Completed Year Three programs”.
- Direct mailings about pond trainings
 - The Big News for Small Ponds Mailing List satisfies this requirement. 45 people signed up for the list.
- Informational brochure on pond management
 - The LSP printed and distributed this brochure in January 2021. It was added to the LSP’s tabling supplies.
- Soil sample training for residents
 - The Carolina Yards course taught residents the importance of soil sampling and how to take a soil sample. 122 people attended.
 - The Moss Creek Soil Sample Drive included a webinar that taught residents how to take a soil sample and interpret its results. Nine people attended.
- Soil testing social media campaign
 - The campaign ran from 9/14/20 to 9/28/20 and reached 676 people with 27 posts.

- Soil sample bags as festivals, nurseries, farmer’s markets, and Master Gardener events
 - The LSP and the Master Gardeners has soil sample bags at all their tabling events (including all three local farmer’s markets).
- Buffer trainings for residents
 - The LSP held the Keeping Tidal Creeks Clean with Planted Buffers Webinar on 12/9/21. 52 people attended. This offering was the second of five workshops to be presented in the consortium area according to the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- “Welcome to the Neighborhood: Buffers” packet
 - This buffer packet was completed and distributed on 9/30/20.
- Current buffer ordinance and local government contact information
 - This information was included in the Welcome to the Neighborhood: Buffers packet.
- Pre-made buffer designs with cost information
 - This information was included in the Welcome to the Neighborhood: Buffers packet.
- Sediment and Erosion Control training for contractors
 - The CEPSCI program satisfies this requirement. The data will be reported under “Completed Year Three programs”.
- LID workshops for staff
 - The LSP helped to host the LID Design in Coastal SC: Challenging Sites Workshop on 4/7/21. 100 people attended. This offering marked the second workshop provided to the consortium area. Therefore, the LSP met the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- LID signs
 - The signs are ready to be printed for donations, demonstration sites, and partner construction projects.
- BMP workshops for homeowners
 - The LSP held four BMP workshops for residents in Year Two. All four were webinars covered BMPs like rain gardens, floating wetlands, rain barrels, vegetated buffers, and permeable pavers. 80 people attended. These offerings marked the sixtg workshop provided to the consortium area. Therefore, the LSP exceeded the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- Master Rain Gardener
 - One course took place during the reporting period. 25 participants gained certificates and 24 participants gained letters of completion.
- Rain Garden step-stake signs
 - The signs are ready to be printed for donations, demonstration sites, and partner construction projects.

In progress Year Two programs include:

- Bilingual informational brochures for septic systems
 - These resources are in the process of being written.
- LID Lunch and Learns
 - This program is planned for late 2022.

South Carolina NPDES Permit # SCR030000

Small Municipal Separate Storm Sewer System (SMS4)

Annual Report Template

Completed Year Three programs include:

- Pet waste station signs
 - These signs exist on all pet waste stations. The LSP has signs with the pet waste pledge information that will be installed with future stations. The signs are ready to print.
- Pet waste pledge
 - Five people took the pledge.
- Automatic e-reminder for septic owners to schedule an inspection
 - The Be Septic Safe website included a form for septic system owners to receive this reminder. Five septic system owners filled out the form
- Septic workshops
 - The LSP offered two “Be Septic Safe” workshops virtually. The first workshop took place on 6/17/21 and the second took place on 11/11/21. 29 people attended.
- 2021 Beaufort Area Stormwater Pond Conference
 - The conference was a hybrid event with virtual programming on 10/26-27/21 and a field day on 10/28/21. 31 people attended the virtual content and 14 people attended the field day.
- “Healthy Pond” workshops
 - The LSP met the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- Master Pond Manager
 - Clemson Extension offered this course once in the Fall of 2021. 30 out of 43 participants became certified Master Pond Managers. The course will be offered again in the Spring of 2022.
- Direct mailings about pond trainings
 - The Big News for Small Ponds Mailing List satisfies this requirement. 45 people signed up for the list.
- Soil sample drives
 - The LSP hosted a soil sample drive in the Moss Creek neighborhood. The consortium collected over 30 soil samples. The soil sample drive also included a webinar that taught residents how to take a soil sample and how to interpret its results. Nine people attended.
- Soil sample bags as festivals, nurseries, farmer’s markets, and Master Gardener events
 - The LSP and the Master Gardeners has soil sample bags at all their tabling events (including all three local farmer’s markets).
- Sediment and Erosion Control training for contractors
 - The CEPSCI program satisfied this requirement. 973 participants earned either a certification or re-certification.
- Sediment and erosion control brochure
 - This brochure was published and distributed to partners on 02/03/21.
- LID workshops for staff
 - The LSP met the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.

- Rain barrel sale
 - The LSP partnered with American Rainwater Solutions to hold a rain barrel sale. The LSP sold 17 rain barrels.
- LID signs
 - The signs are ready to be printed for donations, demonstration sites, and partner construction projects. The LSP installed one rain garden sign at the Mossy Oaks Rain Garden site.
- BMP workshops for homeowners
 - This year saw the sixth workshop given, which exceeded the minimum number of workshops set out by the 2019-

2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.

- Master Rain Gardener
 - One course took place during the reporting period. 25 participants gained certificates and 24 participants gained letters of completion.
- Rain Garden step-stake signs
 - The signs are ready to be printed for donations, demonstration sites, and partner construction projects.

In progress Year Three programs include:

- Online pet waste station map
 - The LSP is exploring host websites for this map and discussing if using Google or ESRI products would make for a more user-friendly map.
- Small grant program for pet waste stations and rain barrels
 - The LSP is researching this program and preparing a document to send to Clemson University's legal department.
- Septic mass media campaign
 - If septic systems are not the subject of the Carolina Clear 2022 Mass Media campaign, the LSP will work with Beaufort County to create 30-second videos to be played at local gas stations and TV stations. The LSP will also run an article and purchase an advertisement will also appear in print media.
- “Welcome to the Neighborhood: Septic System” packets
 - The LSP and other partners are drafting the packet.
- Neighborhood septic step-stake campaign

- This project is delayed until an in-person “Be Septic Safe” workshop can be planned. The in-person workshop is necessary for distribution.
- “Healthy Pond Series” program
 - The “Healthy Pond Series” will take place of 2/24/22, 5/12/24, 9/8/22, and 12/8/22. These offerings exceed the minimum number of workshops set out by the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan.
- Soil sample training for residents
 - The Carolina Yards course teaches residents the importance of soil sampling and how to take a soil sample. The course begins in March 2022.
- Soil sample placards at retailers
 - This project is in the design phase.
- Soil sample bags at commercial locations
 - Appropriate businesses are being identified.
- Mailers to HOAs/landscaping companies with soil sampling information
 - This project is in the design phase.

- Buffer workshop
 - This workshop is planned for late-spring 2022.
- Promotional seed packets
 - The packets are ordered and will be distributed at the 2022 festival season.
- Native plant retailers list and signage
 - This project is in the design phase.
- Sediment and erosion control social media campaign
 - The campaign will run in January 2022.

The LSP continued to leverage virtual programming opportunities, revitalize in-person programs, and create hybrid event options. However, the consortium also heavily invested in creating well-researched, peer-reviewed resources. Examples of these resources include the “Be Septic Safe” website, the “Healthy Ponds, Healthy Communities” rack card, and the “Carolina Clear Pet Owners” website. These resources took a significant amount of time and inter-agency coordination to create, leading to some other delays in other programs. However, these resources will reinforce and elevate the rigor and success of future programs.

The LSP’s “Be Septic Safe” outreach endeavors are a great example of this because each effort builds upon and refers to the “Be Septic Safe” website. This website covers septic system maintenance, failures, types, locations, regulations, and other helpful information for septic system owners. It went live in May 2021. The website also functions as the backbone of all the LSP’s “Be Septic Safe” efforts. It is the primary resource that participants in other efforts can reference and use. For example, the “Be Septic Safe” website is also the home of the septic e-reminder program. The e-reminder, linked to a MailChimp account, is a form on the “Be Septic Safe” website. The MailChimp account will send recipients an annual email with a reminder to inspect their septic system. The LSP also helped create a “Be Septic Safe” magnet for residents who prefer a physical reminder. The magnet includes a shortlist of things that could harm a septic system and a space to write a reminder of when the system was last service and the contact information for who serviced it. The magnet is not a stand-alone resource, though. It also contains a QR code that leads to the septic system website for additional information and the e-reminder system that can act as a backup if the magnet becomes lost.

Similarly, the “Be Septic Safe” webinars also fed into all three of these resources by including, expanding upon, or directly referencing their material. However, the webinars did expand upon this material by offering a Q&A session with SC DHEC and a septic service provider. Additionally, the webinars showed an interview with a septic contractor about what happens before, during, and after a septic system service call. The “Be Septic Safe” social media campaign was the final piece of the LSP’s “Be Septic Safe” outreach efforts. This social media campaign consisted of 16 posts. The posts included information from and linked to the “Be Septic Safe” website, an explanation of and link to the e-reminder system, a picture of the magnet, and videos from the previous webinars. The combined strength of all these programs led to 2,483 impacts during this reporting year, which is significantly more than the impacts of any of the individual programs alone.

However, as mentioned previously, the LSP continued to build successful, repeatable programs. The “Flooding 411” program is a perfect example of a new LSP program. “Flooding 411” began as a free webinar series for SC residents to learn from experts about flooding in their communities, how to protect their lives and property, and what to do when flooding impacts them. This four-part series took place every Wednesday from 1:30 pm - 3:00 pm, beginning on 7/14/21. The Lowcountry Stormwater Partners, the SC SeaGrant Consortium, the ACE Basin NERR Coastal Training Program, and the North Inlet-Winyah Bay NERR Coastal Training Program produced the series. Each webinar session covered a different

topic, including the causes of flooding, the roles of various governmental agencies in flood management and recovery, ways to reduce flood impacts, and case studies of successful flood management. As residents learned about flooding, the speakers introduced them to the concepts of watersheds, stormwater, and stormwater runoff pollution. Each session of “Flooding 411” had an average of 107 participants. An average of 61% of participants submitted an evaluation for each session. The evaluations revealed that an average of 96% of respondents thought the series was a good use of their time and an average of 100% of respondents gained knowledge. Due to this success, “Flooding 411” will be repeated and expanded. The “Ask an Expert Hour” side series will allow for extended Q&A with experts on topics such as flood insurance, dams, and floodplain management.

The LSP didn’t just focus on building new programs, though. The consortium supported existing programs like the “That’s MY Truck” coloring contest. The Lowcountry Stormwater Partners, Beaufort County, and the Beaufort County Soil and Water Conservation District worked together to organize, advertise, and deliver the contest rewards. The organizers held the “That’s MY Truck” coloring contest between 5/10/21 and 5/31/21 between grade K-5 students in Beaufort County. The contest engaged the youth of Beaufort County directly with their stormwater programs. Through a YouTube video and a flyer, the students learned that storm drains lead directly to creeks and rivers, that rain pushed pollution into storm drains, and that street sweepers and vacuum trucks keep pollution from entering waterways. The students could enter the “That’s My Truck” coloring contest to name the trucks that protected their environment. The two grand-prize winners received the right to re-name a truck, a visit by the trucks to their school, their art printed on the vehicle, and a gift bag! The four runner-up winners received a gift bag. Two hundred seventy-nine students entered the competition. Like the first year of this event, entries represented all eligible grades, public schools in every municipality participated, and several private/homeschool groups joined in. However, the LSP could improve despite building new resources, solid programs, and successfully implementing older programs.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives:

While the LSP met the goals outlined in the 2019-2023 Lowcountry Stormwater Partner Stormwater Outreach Strategic Plan, there are two areas in which the program can improve. Last year, the LSP started to create ways for more accurate reporting on indirect outreach materials such as rack cards, LID signs, and resource packets. The consortium successfully tracked the number of septic magnets distributed, the number of unique views for new factsheets, and the number of new LID signs. However, the LSP needs to improve recording the accuracy of hand-outs at festivals. Last year there were only two festivals. The consortium partners did not need to distribute any newly printed and counted materials as attendance was low. This year, the consortium members will use and report the number of the newer materials distributed at festivals.

The second area of improvement is increasing the number of in-person workshops with in-field components. The restrictions put in place due to COVID-19 are continuing to lift. Much of the public also want to attend events in person. These trends became obvious to the consortium as the number of people participating in virtual programs significantly declined. However, the most successful in-person events offered this year included in-field components, such as the 2021 Beaufort Area Stormwater Pond Conference, the South Carolina Adopt-A-Stream Trainings, and the Keep Broad Creek Clean Festival. To increase in-person workshops with in-field components, the LSP is adjusting several workshops. The Healthy Pond Series will include outside soil sampling and shoreline installation demonstrations. The LSP is also planning an in-person “Be Septic Safe” workshop where

professionals lead participants in a visual inspection of a septic system. Other workshops, such as the “Healthy Ponds, Healthy Communities,” are also being re-worked to be offered in-person and include demonstrations, tours, or projects.

III. Minimum Control Measures (MCM)

D. Minimum Control Measure 2: Public Involvement/Participation (4.2.2, 5.3)

Use the table below to summarize public involvement opportunities, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Please see the attached “2019-2023 Lowcountry Stormwater Partners Strategic Stormwater Outreach Plan” for a complete list of all activities planned for the upcoming year. Below are last year’s accomplishments as well as the activities that are furthest along in their planning stages.									
Outreach Type	Activity Type	Target Pollutant	Target Audience	Activity Description	Notes	Service Provider	Start Date	End Date	Impact
Direct	Litter Sweep	Litter	Stormwater managers, stormwater staff, technical staff, engineers, developers, Grounds crew, maintenance, facilities staff	Earth Day Litter Sweep. Beaufort County Staff from various departments cleaned highways and roadways within Beaufort County. The impact was determined by participation.	Staff collected 614 bags of trash, equaling 6.14 tons of litter.	Beaufort County	4/12/2021	4/12/2021	131
Direct	Litter Sweep	Litter	Stormwater managers, stormwater staff, technical staff, engineers, developers, Grounds crew, maintenance, facilities staff	Beaufort River Clean Up. Beaufort County staff did a river sweep to keep waterways clean. The impact was determined by participation.	Staff were in kayaks and removed three bags of trash from the river.	Beaufort County	11/23/2021	11/23/2021	4

Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determines appropriate levels of public stormwater management services, recommends appropriate funding levels, advises the staff of the stormwater management utility on master planning efforts and cost of services, and supports stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal, USC-B	11/10/2020	11/10/2020	18
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, City of Beaufort, Clemson Extension, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal, USC-B	12/9/2020	12/9/2020	15
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, Clemson Extension, Town of Bluffton, Town of Hilton Head Island	2/10/2021	2/10/2021	16

Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County, City of Beaufort, Town of Bluffton, Town of Hilton Head Island, Town of Port Royal	6/9/2021	6/9/2021	15
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County	8/11/2021	8/11/2021	10
Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County	10/13/2021	10/13/2021	9

Direct	Council / Committee / Meeting	General Stormwater	Stormwater managers / stormwater staff, technical staff / engineers / developers, Residential, Elected & appointed officials and high-level staff, General public	Stormwater Utility Board Meeting. The Board determined appropriate levels of public stormwater management services within Beaufort County, recommended appropriate funding levels, advised the staff of the stormwater management utility on master planning efforts and cost of services, and supported stormwater management practices. The impact was determined by attendance.	Beaufort County reported updates on the utility, monitoring efforts, projects, professional contracts, regional coordination, MS4 updates, and maintenance projects.	Beaufort County	12/15/2021	12/15/2021	14
Direct	Litter Sweep	Litter	Residential	Town of Hilton Head Island's Earth Day Beach Sweep. Town staff organized and carried out a beach sweep. The impact was determined by attendance.	Town staff removed 712 pounds of litter.	Town of Hilton Head Island	4/24/2021	4/24/2021	25
Direct	Litter Sweep	Litter	Higher education students, K-12 students/youth, Residential, Teachers	Town of Bluffton Beach Sweep/River Sweep. The goal of the Beach Sweep/River Sweep was to engage and involve citizens in removing litter from their environment and marking storm drain to prevent further litter and stormwater pollution. Its effectiveness was determined through the number of volunteers and the pounds of litter removed.	175 volunteers gave 438 volunteer hours to remove 1,160 pounds of trash.	Town of Bluffton	9/18/2021	9/18/2021	175

Direct	Brochure / outreach material, Presentation, Council / Committee / Meeting	General Stormwater, Litter, Petroleum products, Sediment	Technical staff, engineers, developers	Sediment and Erosion Control Contractor / Developer Meetings. Town staff met on-site with contractors and developers to review and discuss Town Sediment & Erosion Control policies, MS4 requirements, to review any identified site deficiencies, and to address any necessary corrective measures. The impact was measured through attendance.		Town of Bluffton	10/1/2020	12/31/2021	1747
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through Facebook views.		Town of Bluffton	1/21/2021	1/21/2021	521

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through Facebook views.		Town of Bluffton	2/25/2021	2/25/2021	1300
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	7/22/2021	7/22/2021	1

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	9/23/2021	9/23/2021	0
Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	10/28/2021	10/28/2021	0

Direct	Council / Committee / Meeting	Freshwater, General Stormwater, Pesticides, Pharmaceuticals / personal care products, Toxic contaminants / heavy metals	Contractors, Elected & appointed officials, and high-level staff, Residential, Stormwater managers / stormwater staff, Stormwater Pond management companies, Supervisory staff / administrators, technical staff / engineers / developers	May River Watershed Action Plan Implementation Committee Meetings. The seven-member committee assisted and advised Town Council by offering guidance and recommendations to implement the opportunities and strategies outlined in the May River Watershed Action Plan. Residents could either serve on the committee or provide input into the Town's Stormwater Program through public comment opportunities at each meeting. The impact was determined through attendance.		Town of Bluffton	12/2/2021	12/2/2021	0
Direct	Council / Committee / Meeting	Freshwater, General Stormwater	General Public	Bluffton Town Council Meetings. Bluffton Town Council discussed stormwater topics including but not limited to, CIP projects, grants, funding, water quality, SoLoCo, & sewer and septic systems. Town staff provided monthly council updates that included stormwater information and water quality data. This information was made public with Town Council packets for each Town Council meeting. The impact was determined by the estimated number of people reached for all meetings in the 2021 calendar year.	Town Council meetings took place on the second Tuesday of each month at Bluffton Town Hall. Each meeting was televised on the County Channel, and virtual meetings were broadcast live on the Town's Facebook Page.	Town of Bluffton	1/1/2021	12/31/2021	50

Direct	Public Comments	FOG, Freshwater, General Stormwater, Litter, Pesticides, Petroleum products, Pharmaceuticals and personal care products, Temperature, Toxic contaminants/ heavy metals	Residential, Stormwater Pond managers, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Beaufort County Southern Lowcountry Stormwater (SoLoCo) Ordinance and Design Manual Second Public Comments. Individuals were allowed to submit public comment on the ordinance and manual prior to Council approval. These dates are meetings that were held to discuss and address public comments among multiple Town departments. The impact was determined by cumulative attendance across all meetings.	The meetings were held on 3/23/21, 5/13/21, 6/8/21, and 6/29/21.	Town of Bluffton	3/23/2021	6/29/2021	15
Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Sediment	K-12 students/youth	Kids in Kayaks program. The Kids in Kayaks program brought local youth outside and had them participate in experiential learning about local ecosystems and natural resources. The impact was determined by participation.	This program was offered 14 times to 7th and 8th grade students from three Beaufort County Schools. Riverview Charter School students attended on 10/14/21 and 10/15/21. River Ridge Academy students attended on 10/25/21, 10/26/21, 10/27/21, 10/28/21, 10/29/21, and 11/1/21. Bluffton Middle School students attended on 11/3/21, 11/4/21, 11/5/21, 11/8/21, 11/9/21, and 11/10/21.	Clemson Extension, The Beaufort County Soil and Water Conservation District, The Outside Foundation, Lowcountry Master Naturalists	10/14/2021	11/10/2021	540

Direct	Litter Sweep	Litter	K-12 students/youth, Residential	“Plogging” Beach and Park Clean Ups. The goal of these events was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	There were eight clean ups. They took place on 1/9/21, 3/13/21, 4/10/21, 5/8/21, 6/12/21, 7/10/21, 10/9/21, and 11/20/21. Between these three events, 142 volunteers gave 2,272 hours to remove 443 pounds of trash,	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	1/9/2021	11/20/2021	142
Direct	Litter Sweep	Litter	K-12 students/youth, Residential	Flyover/Hilton Head Island Bridges Clean Ups. The goal of these events was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	There were three clean ups. One on 1/10/21, one on 1/31/2021, and another on 9/12/21. Between these three events, 47 volunteers gave 376 hours to remove 2,400 pounds of trash,	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	1/10/2021	9/12/2021	47
Direct	Litter Sweep	Litter	K-12 students/youth, Residential	Port Royal Sound Foundation Chechessee River Clean Up. The goal of this event was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	Four volunteers gave 8 hours to remove 45 pounds of trash.	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	3/13/2021	3/13/2021	4

Direct	Litter Sweep	Litter	K-12 students/youth, Residential	Broad Creek Clean Ups. The goal of these events was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	There were two clean ups. One on 2/21/21 and another on 11/28/21. Between these two events, 55 volunteers gave 467.5 hours to remove 302 pounds of trash,	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	2/21/2021	11/28/2021	55
Direct	Litter Sweep	Litter	K-12 students/youth, Residential	Hilton Head Rowing and Sailing Center Clean Up. The goal of this event was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	15 volunteers gave 30 volunteer hours to remove 240 pounds of trash.	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	2/9/2021	2/9/2021	15
Direct	Litter Sweep	Litter	K-12 students/youth, Residential	#EARTHDAYHHI 2021. The goal of this event was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	308 volunteers gave 1,848 volunteer hours to remove 712 pounds of trash.	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	4/22/2021	4/22/2021	308

Direct	Litter Sweep	Litter	K-12 students/youth, Residential	OluKai LC Boil Paddle Battle and Bridges Clean Up. The goal of this event was to engage and involve citizens in removing litter from their environment. Their effectiveness was determined through the number of volunteers engaged and the pounds of litter removed.	100 volunteers gave 300 volunteer hours to remove 1,450 pounds of trash.	Keep Beaufort County Beautiful, The Outside Foundation, Town of Hilton Head Island	9/12/2021	9/12/2021	100
Direct	Oyster Reef Construction	General Stormwater	Residential	The Outside Foundation's "Community-based Oyster Shell Recycling and Bed Restoration" Project Collection Events. The goal of this project was to educate the public about the beauty, utility, and health of Hilton Head Island's saltmarsh ecosystem. It also described to participants how this ecosystem is reliant on oysters and good water quality. The impact was determined by participation.	In 2021 The Outside Foundation's "Community-based Oyster Shell Recycling and Bed Restoration" project collected 23.7 tons of recycled shell from local seafood restaurants and 4.5 tons of shell from local oyster roasts.	Coastal Conservation League, DNR, The Outside Foundation, Town of Hilton Head Island	1/1/2021	12/31/2021	319
Direct	Oyster Reef Construction	General Stormwater	Residential	The Outside Foundation's "Community-based Oyster Shell Recycling and Bed Restoration" Project Bagging Events. The goal of this project was to educate the public about the beauty, utility, and health of Hilton Head Island's saltmarsh ecosystem. It also described to participants how this ecosystem is reliant on oysters and good water quality. The impact was determined by participation.	The Outside Foundation's hosted seven bagging events as part of their "Community-based Oyster Shell Recycling and Bed Restoration" project. At these events, a total of 133 volunteers gave 1,862 volunteer hours to fill 1,400 bags of oyster shell.	Coastal Conservation League, DNR, The Outside Foundation, Town of Hilton Head Island	1/1/2021	12/31/21	133

Direct	Oyster Reef Construction	General Stormwater	Residential	The Outside Foundation's "Community-based Oyster Shell Recycling and Bed Restoration" Project Build Events. The goal of this project was to educate the public about the beauty, utility, and health of Hilton Head Island's saltmarsh ecosystem. It also described to participants how this ecosystem is reliant on oysters and good water quality. The impact was determined by participation.	The Outside Foundation hosted three reef build events as part of their "Community-based Oyster Shell Recycling and Bed Restoration" project. The events took place on 7/20/21, 8/18/21, and 9/4/21 in Broad Creek. At these events a total of 48 volunteers gave 624 volunteer hours to place 1,200 bags of oyster shell to form new reefs.	Coastal Conservation League, DNR, The Outside Foundation, Town of Hilton Head Island	7/20/2021	9/4/2021	48
Direct	Training	General Stormwater, Bacteria, Freshwater, Sediment, Petroleum products	Boat owners / operators / marinas	SC Clean Marina Program. The goal of the South Carolina Clean Marina Program was to protect and improve local water quality by reducing pollution from marinas. This voluntary certification program recognized marinas, boatyards, and yacht clubs for helping to create a cleaner marine environment in South Carolina. The impact was determined by the number of certified marinas.	The re-launch of this program included the creation of trainings, a website, informational brochures, flags, decals, and certificates.	SC Sea Grant, SCDNR, SCDHEC-OCRM	3/1/2021	12/31/2021	24
Direct and Indirect	Brochure / outreach material, Newsletter, Event tabling, Presentation, Webpage / social media	Freshwater, General Stormwater, Nutrients, Sediment	Higher education students, Residential, Teachers	Lowcountry Master Gardner Educational Services. The Master Gardeners in Beaufort County provided educational services such as one-on-one services, promoting increased environmental awareness through the prudent use of fertilizers, pesticides, etc., and giving group learning	The Lowcountry Master Gardeners volunteered 6840.5 hours and made 177090 contacts.	Beaufort Master Gardeners, Clemson Extension	10/1/2020	12/31/2021	177090

				and teaching activities for non-commercial clientele. The impact was measured through the number of contacts made.					
Direct and Indirect	Brochure / outreach material, Event tabling, Presentation, Training	General Stormwater, Nutrients, Sediment	K-12 students/youth, Youth	Lowcountry Master Gardner Educational Services for Youth. The Master Gardeners in Beaufort County provided educational services such as hands-on classroom demonstrations, club activities, and events to promote increased environmental awareness through the prudent use of fertilizers, pesticides, etc. for youth. The impact was measured through the number of contacts made.	During this reporting period, the Lowcountry Master Gardeners made 1674 contacts.	Beaufort Master Gardeners, Clemson Extension	10/1/2020	12/31/2021	1674
Direct	Litter Sweep	Litter	Grounds crew / maintenance / facilities staff, K-12 students / youth, Residential	Beaufort County Adopt-A-Highway Program. The Adopt-A-Highway program's mission was to eradicate litter and promote beautification in South Carolina. It conducted litter pick-ups. The program's effectiveness was measured in the number of volunteers, number of active volunteer groups, and pounds of litter removed.	During this reporting period, 4,593 volunteers participated in 109 Adopt-A-Highway groups and picked up 114,735 pounds of litter.	Keep Beaufort County Beautiful, Beaufort County	10/1/2020	12/31/2021	4593
Direct	Presentation	Bacteria, Freshwater, General Stormwater, Litter,	K-12 students/youth	Port Royal Sound Foundation Maritime Center's Field Trip Program. Through hands-on experiments and discovery,	During this reporting period, there were 20 field trips.	Clemson Extension	10/1/2020	12/31/2021	1501

		Nutrients, Pesticides		students saw and experienced our local environment firsthand. Participants included in all grades from the public, private and charter schools, and home-schooling, after-school, and summer programs. The impact was determined by the number of participating students.					
Direct	Marine Center / Museum	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Toxic contaminants/ heavy metals	Boat owners, operators, marinas, Elected & appointed officials and high-level staff, Higher education students, K-12 students/youth, Residential, Teachers	The Port Royal Sound Foundation Maritime Center. The Center featured exhibits, classrooms, hands-on learning spaces, and other areas where everyone could learn and celebrate the uniqueness of the Port Royal Sound. The impact was determined by the total number of visitors.		Port Royal Sound Foundation	10/1/2020	12/31/2021	2616
Direct	Training	Freshwater, General Stormwater, Litter, Nutrients	Elected & appointed officials and high-level staff, Higher education students, Residential, Supervisory staff / administrators / stormwater managers	Master Naturalist Program. The SC Master Naturalist Program aimed to create a statewide corps of volunteers providing education, outreach, and service dedicated to the beneficial management of natural resources, including water. The impact was measured by participants passing the final exam.	Two Master Naturalists courses took place during the reporting periods. The Spring 2021 class had 50 participants and the Fall 2021 class had 24 participants.	Lowcountry Master Naturalists	10/1/2020	12/31/2021	74

Direct	BMP Installation	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Grounds crew, maintenance, facilities staff, K-12 students/youth, Residential, Teachers	Mossy Oaks Rain Garden Workshop Installation Day. On 11/07/21, the LSP led three volunteers in the hands-on installation of the 252 sq ft rain garden that took drainage from a 1,215 sq ft roof area. Participants reviewed and experienced the information given to them during the perquisite webinar. The information included rain garden siting, sizing, shaping, planting, soil amending, and mulching. The impact was determined by attendance and a written evaluation.	Two individuals turned in an evaluation. All respondents indicated that they gained knowledge, that the training was a good use of their time, and that they would recommend the training to others. The volunteers gave 12 volunteer hours.	Clemson Extension, Beaufort County Master Naturalists	11/7/2021	11/7/2021	3
Direct	Conference	Bacteria, General Stormwater, Nutrients, Pesticides, Sediment	Grounds crew, maintenance, facilities staff, Residential, Stormwater managers, stormwater staff, Stormwater Pond management companies, technical staff, engineers, developers	2021 Beaufort Area Stormwater Pond Conference Field Day. The 2021 Beaufort Area Stormwater Pond Conference provided a forum to give the latest information, resources, and tools on stormwater pond management for the Lowcountry community. Topics at each session included a history of the park, a native plant walk, a backpack sprayer calibration demonstration, a pond inspection activity, a water quality testing demonstration, and an upland BMP tour. The impact was determined by attendance and evaluation.	The in-person portion of the 2021 Beaufort Area Stormwater Pond Conference took place at Crystal Lake Park. The day was divided into two sessions, one from 9:00 AM to 12:00 PM and another from 1:00 PM to 4:00 PM. Nine people attended the morning session, and five participated in the afternoon session. Seven turned in evaluations. The evaluations revealed that 100% of respondents gained knowledge, thought the training was a good use of their time, and would apply a practice learned at the training.	ACE Basin Coastal Training Program, Clemson Extension, Beaufort County Soil and Water Conservation District, DNR, SC Sea Grant	10/28/2021	10/28/2021	14

Direct	Training	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Petroleum products, Temperature	Higher education students, K-12 students/youth, Residential, Teachers, Youth	South Carolina Adopt-A-Stream (SC AAS) Saltwater Protocol Training. The SC AAS program created a network of volunteers engaged in watershed stewardship and education. SC AAS volunteers played an important role in monitoring and tracking water quality while sharing information about local water resources with their communities. This training taught watershed science and water quality sampling protocols. The impact was determined by the number of certifications.	All seven people were certified.	Clemson Extension, SC DHEC, Port Royal Sound Foundation	8/20/2021	8/20/2021	7
Direct	Training	Bacteria, Freshwater, General Stormwater, Litter, Nutrients, Pesticides, Petroleum products, Sediments, Temperature	Elected & appointed officials and high-level staff, Higher education students, K-12 students/youth, Residential, Teachers	South Carolina Adopt-A-Stream Saltwater Protocol Training. The South Carolina Adopt-a-Stream (SC AAS) program created a network of volunteers engaged in watershed stewardship, engagement, and education. SC AAS volunteers played an important role in monitoring and tracking water quality while sharing information about local water resources with their communities. This certification training taught 17 people basic watershed science and water quality sampling protocols. The impact was determined by the number of certified volunteers.	All seventeen people were certified.	Clemson Extension, SC DHEC, Port Royal Sound Foundation, Town of Hilton Head Island	7/30/2021	7/30/2021	17

Direct	Rain Barrel Sale	Freshwater, General Stormwater	Residential	Lowcountry Stormwater Partners Rain Barrel Sale. By partnering with American Rainwater Solutions, the Lowcountry Stormwater Partners offered Ivy Rain Barrels for sale. The sale was advertised in May, and with every purchase, the LSP provided education on setting up and using the barrels. The impact was determined by the number of barrels sold.	17rain barrels were sold.	Clemson Extension, American Rainwater Solutions	5/1/2021	12/31/2021	17
Direct	Soil Sample	Nutrients	Agriculture, Landscapers, landscape designers, nurseries, Grounds crew, maintenance, facilities staff, Residential	Soil Samples. Clemson Extension offered citizens the option of having their soils tested to ensure they do not overfertilize their plants. The impact was determined by the number of soil samples requested in Beaufort County.		Clemson Extension	10/1/2020	12/31/2021	340
Direct	Water Testing	Nutrients, Toxic contaminants/ heavy metals	Agriculture, Landscapers, landscape designers, nurseries, Grounds crew, maintenance, facilities staff, Plant Nurseries, Residential, Stormwater Pond management companies	Water Testing. Clemson Extension offered citizens the opportunity to test water for agricultural purposes and check typical water pollutants. Stormwater pond managers also used this service to test the health and efficacy of stormwater ponds. The impact was determined by the amount of water testing requests in Beaufort County.		Clemson Extension	10/1/2020	12/31/2021	8
Indirect	Brochure / outreach material	General Stormwater, Nutrients, Sediment	General Public	Soil Sample Bags at Events. The act of giving away soil sample bags encouraged residents to perform soil tests prior to fertilizing their landscapes.	Soil sample bags were distributed at the Clemson Extension Office, the three farmer's markets in the county, and at community partner offices.	Clemson Extension	10/1/2020	12/31/2021	

Indirect	Webpage / social media	General Stormwater, Bacteria	Residential	Septic E-Reminder. This program will send an email to subscribers reminding them to schedule a septic system inspection annually. The impact was determined by the number of subscribers.		Clemson Extension	10/1/2020	12/31/2021	5
Indirect	Brochure / Outreach material	General Stormwater, Bacteria	Pet owners, Residential	Leash Dog Bag Holders. These bag holders are given away to promote picking up pet waste.	The holders were ordered and were given to partners for distribution.	Clemson Extension	10/1/2020	12/31/2021	
Direct	Pledge	General Stormwater, Bacteria	Pet owners, Residential	Pet Waste Pledge. This pledge indicated that a person promised to pick up after their pet to reduce bacterial pollution in water. The impact was determined by the number of people who took the pledge during the reporting period.	The pledge was made available 24/7 at https://mailchi.mp/5585f928a783/pet-waste-pledge	Clemson Extension	10/1/2020	12/31/2021	5
Direct	Training	Freshwater, General Stormwater, Nutrients, Pesticides, Sediment	Landscapers, landscape designers, nurseries, Residential, Teachers, Technical staff, engineers, developers	Master Rain Gardener Course. The Master Rain Gardener program offered a hybrid curriculum allowing for online learning modules, hands-on field experience, and a two-track option to meet the needs of diverse audiences. The impact was measured by the number of participants and the number of certifications issued.	One course took place during the reporting period. It certified 25 participants and gave letters of completion to 24 participants.	Clemson Extension	10/1/2020	12/31/2021	49
Direct	Training	Freshwater, General Stormwater, Pesticides	Stormwater managers, stormwater staff, Stormwater Pond management companies, Stormwater Pond managers	Master Pond Manager Course. This course taught participants a wide range of pond management knowledge and skills. The hybrid course incorporated self-paced lectures, discussion, quizzes, and other web-based methods of participant-instructor interaction, along with hands-on participation	This course was offered once in Spring 2021 and then again in Fall 2021. 30 out of 43 participants became certified Master Pond Managers.	Clemson Extension	10/1/2020	12/31/2021	43

				activities in the field. Its success was determined by the number of participants and certifications.					
Direct	Training	Freshwater, General Stormwater	Stormwater managers, stormwater staff, technical staff, engineers, developers	Post Construction Best Management Practice Inspector Course. This program provided online, and field-based training focused on inspection and maintenance of BMPs used for stormwater management. Students had the chance to discuss and view bioswales, dry detention basins, wet detention basins, and more. Its success was measured in the number of participants, certifications, and re-certifications.	The certification course was offered in the spring and fall of 2021. The re-certification course was offered in the fall of 2021. In total, 81 professionals were certified, and 28 professionals were re-certified in 2021.	Clemson Extension	10/1/2020	12/31/2021	109
Direct	Training	Freshwater, General Stormwater	Stormwater managers, stormwater staff, Supervisory staff, administrators, stormwater managers, technical staff, engineers, developers	Certified Stormwater Plan Reviewer (CSPR). The CSPR Program educated personnel on the proper design and review of stormwater and sediment control plans for development sites to meet state and local regulations. Its success was measured in the number of participants, certifications, and recertifications.	Due to precautions associated with COVID-19, 2021 certifications and recertifications were offered online and reduced capacity in-person formats. 78 people received either certifications or re-certifications.	Clemson Extension, SC DHEC	10/1/2020	12/31/2021	78
Direct	Training	General Stormwater, Sediments, Sediment	Landscapers, landscape designers, nurseries, Contractors, Grounds crew,	Certified Erosion Prevention and Sediment Control Inspector (CEPSCI). The CEPSCI Program educated field personnel on the proper installation, maintenance,	Due to precautions associated with COVID-19, 2021 certifications and recertifications were offered as online and reduced capacity in-	Clemson Extension, SC DHEC, SC DOT	10/1/2020	12/31/2021	973

			maintenance, facilities staff	and inspection of erosion prevention and sediment control measures at construction sites to meet state and local regulations. Its success was measured in the number of participants, certifications, and re-certifications.	person formats. 973 participants earned either a certification or re-certification.				
Direct	Training	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Carolina Yards Program. This program worked with residents to create healthy, watershed-friendly landscapes through factsheets, brochure, and videos. The program's success is measured in newly certified yards.		Clemson Extension	1/1/2021	12/31/2021	97
Direct	Workshop	Bacteria, General Stormwater, Nutrients, Sediment	Residential	Carolina Yards Course. This online course helped gardeners learn to grow and maintain a low maintenance, low impact yard Carolina Yard. Its success was determined through participation, an evaluation, and the number of participant yards certified.	25 people registered for the class and 18 people completed all the course modules. 14 participants certified their yards because of this course.	Clemson Extension	3/16/2021	5/17/2021	25
TOTAL									195139

C. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule:

The Lowcountry Stormwater Partners (LSP) successfully implemented MCM#2 in the Hilton Head Urbanized Area. Both qualitative and quantitative data support the LSP's success. From 10/1/2020 to 12/31/202, the LSP recorded 195,139 impacts and 56 programs. In the 2020 reporting year, the LSP recorded 577,315 impacts and 64 programs. The significant difference between these numbers is how the LSP recorded certain activities.

Previously, the LSP included social media data in their MCM#2 data. The reason behind having this data was that Facebook and other social media sites allowed the public to involve themselves with the LSP and its partner organizations. The public was able to direct developing educational opportunities, ordinances, and other priorities. However, seeking to improve the accuracy of its reporting, the LSP investigated its' and its' partners' Facebook data. The investigation found that engagement with program development was rare enough that it was not worth reporting any social media data for MCM#2. Therefore, this report did not include any social media data.

However, to compare the 2021 reporting year more accurately to the 2020 reporting year, the LSP will remove social media data from the 2020 impact and program numbers for the remainder of this report. Without social media data, the 2020 reporting year had 59 programs and 231,003 impacts. Therefore, this year the LSP saw a 16% decrease in impact numbers and a 5% decrease in the total number of programs. Similarly, in the 2020 reporting year, the LSP averaged five MCM#2 programs and 19,250 impacts a month, while in the 2021 reporting year, the LSP only averaged three programs and 13,009 impacts a month.

The decrease in impacts and the number of programs have several causes. The first is that several programs reported averaged, aggregate data this year instead of unique entries for each event. This reporting style shift reduced the number of programs and the overall impact. The second reason for the decrease was that local governments adopted the Beaufort County Southern Lowcountry Stormwater (SoLoCo) Ordinance and Design Manual early in the reporting period. Therefore, there were significantly fewer public comment and involvement meetings. The final reason was that COVID-19 continued to be an obstacle. Like many other organizations, the consortium could not offer in-person or hybrid events until the late summer of 2021. Even after restrictions began to lift, the LSP and other organizations canceled or down-sized litter pick-ups, summer camps, and other events that help us engage citizens.

Despite these difficulties, the LSP continued to engage their audiences through traditional means and expanded their efforts through new programs. 2021 saw the launch of the South Carolina Adopt-A-Stream, South Carolina Clean Marina, and BMP installation programs within the consortium area. The launch of these programs promises sustainable growth in MCM#2 impact numbers. The return to in-person programming and the lifting of COVID-19 restrictions also offer hope for 2022 to be a more successful year for implementing MCM#2.

During this reporting period, the LSP completed Year Two of the 2019-2023 Lowcountry Stormwater Partners Stormwater Outreach Strategic Plan on June 30, 2020, and entered Year Three on July 1, 2021. The LSP successfully implemented all but two programs laid out by Year Two and has completed implementing roughly half of Year Three programs. Therefore, the consortium is on track with its aggressive implementation schedule.

Completed Year Two programs include:

- Pet waste pledge
 - Five people took the pledge.
- Automatic e-reminder for septic owners to schedule an inspection
 - The Be Septic Safe website included a form for septic system owners to receive this reminder. Five septic system owners filled out the form.
- Master Pond Manager
 - Clemson Extension offered this course once in Spring 2021. The totals are reported under “Completed Year Three programs”.
- Master Rain Gardener
 - One course took place during the reporting period. 25 participants gained certificates and 24 participants gained letters of completion.
- Soil sample training for residents
 - The Carolina Yards course taught residents the importance of soil sampling and how to take a soil sample. 122 people attended.
 - The Moss Creek Soil Sample Drive included a webinar that taught residents how to take a soil sample and interpret its results. Nine people attended.
- Sediment and Erosion Control training for contractors
 - The CEPSCI program satisfied this requirement. The totals are reported under “Completed Year Three programs”.

Completed Year Three programs include:

- Pet waste pledge
 - Five people took the pledge.
- Automatic e-reminder for septic owners to schedule an inspection
 - The Be Septic Safe website included a form for septic system owners to receive this reminder. Five septic system owners filled out the form
- Master Pond Manager
 - Clemson Extension offered this course once in Fall of 2021. 30 out of 43 participants became certified Master Pond Managers. The course will be offered again in the Spring of 2022.
- Sediment and Erosion Control training for contractors
 - The CEPSCI program satisfied this requirement. 973 participants earned either a certification or re-certification.
- Rain barrel sale
 - The LSP partnered with American Rainwater Solutions to hold a rain barrel sale. They sold 17 rain barrels.

- BMP workshops for homeowners
 - The Mossy Oak Rain Garden Workshop Webinar and Installation Day engaged 3 people in the creation of a 252 square foot rain garden on 11/07/21.
- Master Rain Gardener
 - One course took place during the reporting period. 25 participants gained certificates and 24 participants gained letters of completion.

In progress Year Three programs include:

- Soil sample training for residents
 - The Carolina Yards course will teach residents the importance of soil sampling and how to take a soil sample. The course begins in March 2021

These programs were more successful than this shortlist can describe, though. The launch of the South Carolina Adopt-A-Stream (SC AAS) program in Beaufort County led to consistent involvement for its citizens. SCAAS created a local network of watershed stewardship, engagement, and education through involvement in Beaufort County. SC AAS volunteers can play an essential role in monitoring and tracking water quality while sharing local water resource information with their communities. The volunteers are certified individuals who adopt a tidal saltwater site, collect water samples, and test the six basic core parameters: dissolved oxygen, air temperature, water temperature, pH, salinity, and transparency. In Beaufort County, the two SCAAS workshops certified 23 volunteers who make up 12 sampling groups that monitor 11 sampling sites monthly. These workshops were incredibly popular and hit their registration caps within three days. Currently, there are at least monthly requests for more trainings. To meet this demand, the LSP will be re-certifying its trainer status and offer a minimum of two workshops in 2022.

Another successful Lowcountry Stormwater Partners program was the 2021 Beaufort Area Stormwater Pond Conference. The 2021 Beaufort Area Stormwater Pond Conference provided a forum to give the latest information, resources, and tools on stormwater pond management for the Lowcountry community. This conference was a hybrid event, consisting of two days of virtual content and one in-person field day. The conference was a joint effort between the LSP, SC Sea Grant Consortium, and the DNR's ACE Basin NERR Coastal Training Program. The virtual portion of the 2021 Beaufort Area Stormwater Pond Conference took place on 10/26/21 and 10/27/21. The organizers divided each day into two sessions, a morning session between 9:30 AM and 11:00 AM and an afternoon session between 1:30 PM and 3:00 PM. Topics included rules and regulations, the latest stormwater pond research, IPM, climate change, aeration, dredging, trees and stormwater ponds, shoreline erosion solutions, and case studies. Twenty-six people attended the first-morning session, 21 people attended the first-afternoon session, 25 people participated at the second-morning session, and 25 people participated at the second-afternoon session.

Thirty-one individuals attended the virtual content live. Of those 31 participants, 20 filled out an evaluation. The evaluation revealed that 65% of respondents thought the content was a good use of their time. 95% of respondents gained knowledge, and 95% learned something they would apply. The in-person portion of the 2021 Beaufort Area Stormwater Pond Conference took place on 10/28/21 at Crystal Lake Park. The organizers divided the day into two sessions, one from 9:00 AM to 12:00 PM and another from 1:00 PM to 4:00 PM. Nine people attended the morning session, and five participated in the afternoon session. Topics included a history of the park by the Beaufort County Soil and Water Conservation District, a native plant walk by Laura Lee Rose, and a backpack sprayer calibration demonstration by Rob Last. The LSP coordinator also led a pond inspection activity, water quality testing demonstration, and an upland BMP tour at each session. Fourteen individuals attended the field day, and seven turned in evaluations. The evaluations revealed that 100% of respondents gained knowledge, thought the training was a good use of their time, and would apply a practice learned at the training. The 2021 Beaufort Area Stormwater Pond Conference marked the fourth pond conference in the Beaufort area. However, it maintained similar levels of engagement and reports of satisfaction from the community.

The Lowcountry Stormwater Partners did not rely solely on their standard programs to succeed, and the Mossy Oaks Rain Garden project, is a testament to that. The project began in mid-2020 when the Mossy Oaks Elementary School Improvement Committee contacted the LSP about installing a rain garden in the Mossy Oaks Elementary School Outdoor Classroom. The LSP spent the rest of 2020 conducting site visits, suitability tests, and submitting designs, plans, and maintenance contracts for approval to determine the project's viability. The site passed every test with flying colors, and the consortium spent early 2021 gathering donations and other supplies for the project. Once there were enough supplies, the LSP planned and executed a hybrid workshop. The first part of the workshop was a webinar on 11/3/21. The webinar covered how rain gardens function and how to site, size, and shape a rain garden. The LSP also included information on how to design, amend, and plant a rain garden, as well as mulching and maintenance tips. Five people attended. Then, on 11/07/21, the LSP led three volunteers in the hands-on installation of the 252 sq ft rain garden. This rain garden treated drainage from a 1,215 sq ft roof area before entering a nearby storm drain. As they installed the rain garden, workshop participants reviewed and experienced the information given to them during the Mossy Oaks Rain Garden Workshop Webinar. Two individuals turned in an evaluation. All respondents indicated that they gained knowledge, that the training was a good use of their time, and would recommend the workshop to others. This rain garden was the LSP's first BMP installation project. With the lessons learned from this program, the LSP is actively looking for other sites to install similar projects and engage more people in treating stormwater runoff pollution.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives:

COVID-19 continued to significantly impact the LSP's ability to provide outreach and involvement opportunities in the Hilton Head Urbanized Area. The virus prevented or down-sized in-person and large-scale events and closed many businesses and offices in the area. The LSP only began to experience "normal" operations for a cumulative six months out of a twelve-month reporting period. Three of those "normal months" (November, December, and January) are holiday months that typically see the lowest program engagement numbers of the year. However, the LSP preserved and met the goals outlined in the 2019-2023 Lowcountry Stormwater Partner Stormwater Outreach Strategic Plan.

That said, there are two areas in which the LSP can improve. One is youth outreach, and the other is professional outreach. Youth outreach numbers plummeted this year due to COVID-19. This demographic is an essential part of the LSP outreach strategy, as encouraging water-positive behaviors in youth can encourage water-positive behaviors in adults. It also affords the LSP greater visibility in the community and helps to create stronger connections with an adult audience. The LSP plans to partner with Beaufort County 4-H to host another 4-H20 summer camp to improve outreach numbers. Similarly, the Kids in Kayaks program, the Beaufort Soil and Water Conservation District school programs, and Master Gardener youth contacts should see an increase their 2022 impacts numbers due to relaxing COVID-19 restrictions.

COVID-19 restrictions also limited the LSP's ability to engage a professional audience with LID workshops. The LSP planned to use the LID lunch and learn program to fill this role, but COVID-19 delayed the program's implementation. Previous iterations of similar programs indicated that in-person, hands-on training is more effective for this target audience. With restrictions on in-person events and an overwhelming amount of LID and BMP webinars created by manufacturers, the LSP tabled the program until 2022. Luckily, field days for professional LID courses like Master Rain Gardener and Master Pond Manager occurred this year and will continue in 2022. Once in-person trainings become feasible, these programs will come online and resolve this issue.

EXHIBIT D

id	dateTime	formName	locationAddress
2397	7/9/2021 15:43	Illicit Discharge	208 Parker Dr
2299	5/11/2021 15:48	Illicit Discharge	138 Bluffton Rd
2279	4/16/2021 9:56	Illicit Discharge	1 Mamie Frazer Ln
2239	3/18/2021 18:12	Illicit Discharge	26 Candlewood Dr
2212	2/18/2021 11:28	Illicit Discharge	108 Elliott St
2166	1/21/2021 8:20	Illicit Discharge	3015 Dogwood St
2110	12/8/2020 11:31	Illicit Discharge	5 Sams Point Rd
2084	11/9/2020 15:48	Illicit Discharge	2255 Plantation Dr
2072	10/27/2020 12:42	Illicit Discharge	100 Kensington Blvd

description

Large, industrial scale ink discharge partly due to significant rainfall of tropical storm
Paint spill. Curbing needs to be scrapped.

Artrell reported a grey water discharge coming from the back of their home going o

Flooding has increased unexpectedly, must be an illegal dis

Pink residue in the channel leading from the very back buildings

The actual address is 3013 Dogwood st. The residents are draining the washer into t

Pipe located in front of restaurant, chunks of grease came out

Citizen and DHEC reported greywater in County Stormwater system.

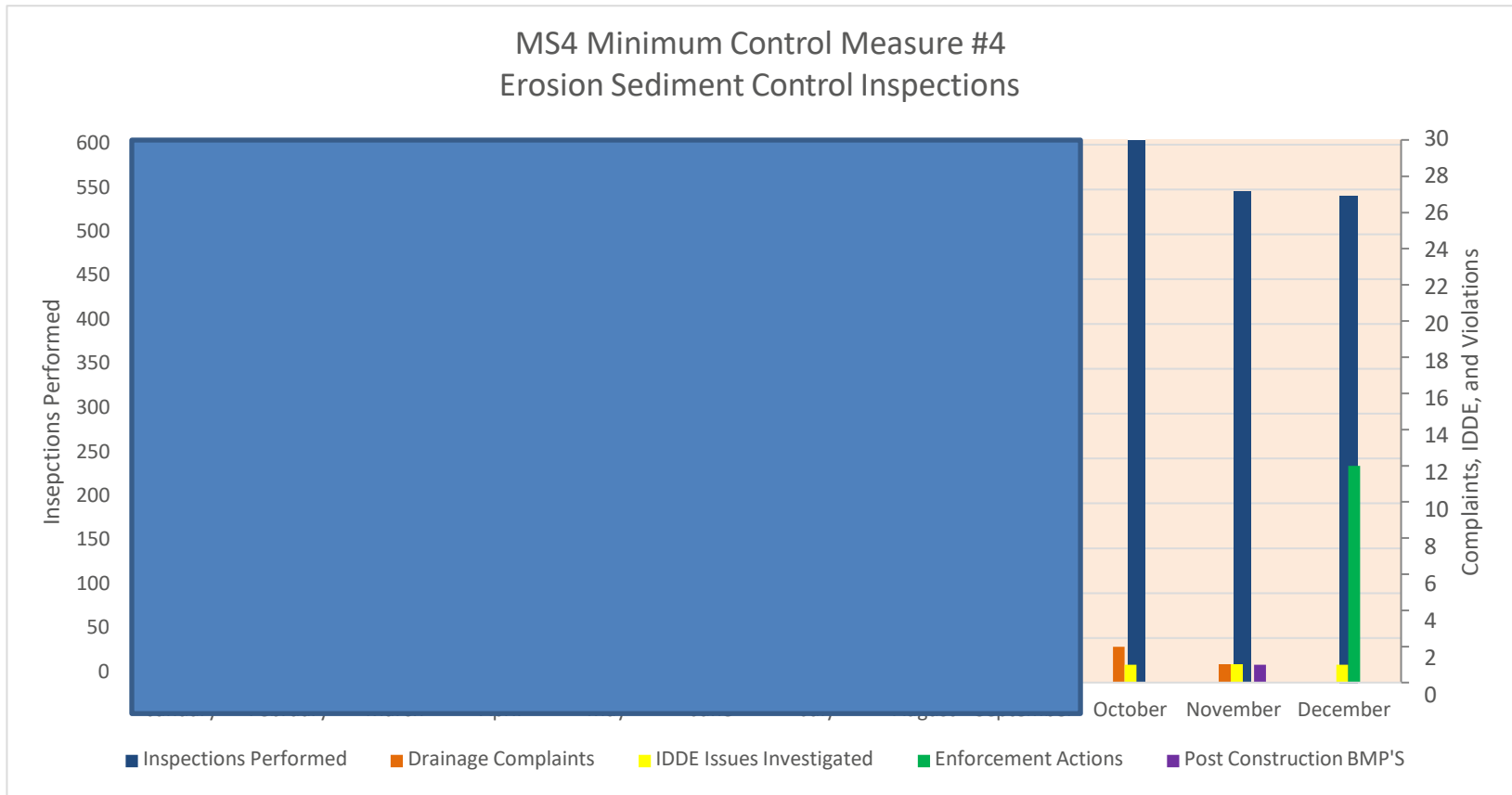
Asphalt sealer was being pushed into storm drain inlets on 10/21. Nancy Herbst 860

formData

```
[{"q": "Illicit Discharge Type?", "a": "NO"}]
[{"q": "Illicit Discharge Type?", "a": "Chemicals or Paints"}]
[{"q": "Illicit Discharge Type?", "a": "NO"}]
[{"q": "Illicit Discharge Type?", "a": "NO"}]
[{"q": "Illicit Discharge Type?", "a": "Chemicals or Paints"}]
[{"q": "Illicit Discharge Type?", "a": "NO"}]
[{"q": "Illicit Discharge Type?", "a": "Restaurant Grease Trap"}]
[{"q": "Illicit Discharge Type?", "a": "NO"}]
[{"q": "Illicit Discharge Type?", "a": "Chemicals or Paints"}]
```

EXHIBIT E

OCT – DEC 2020 Graphs



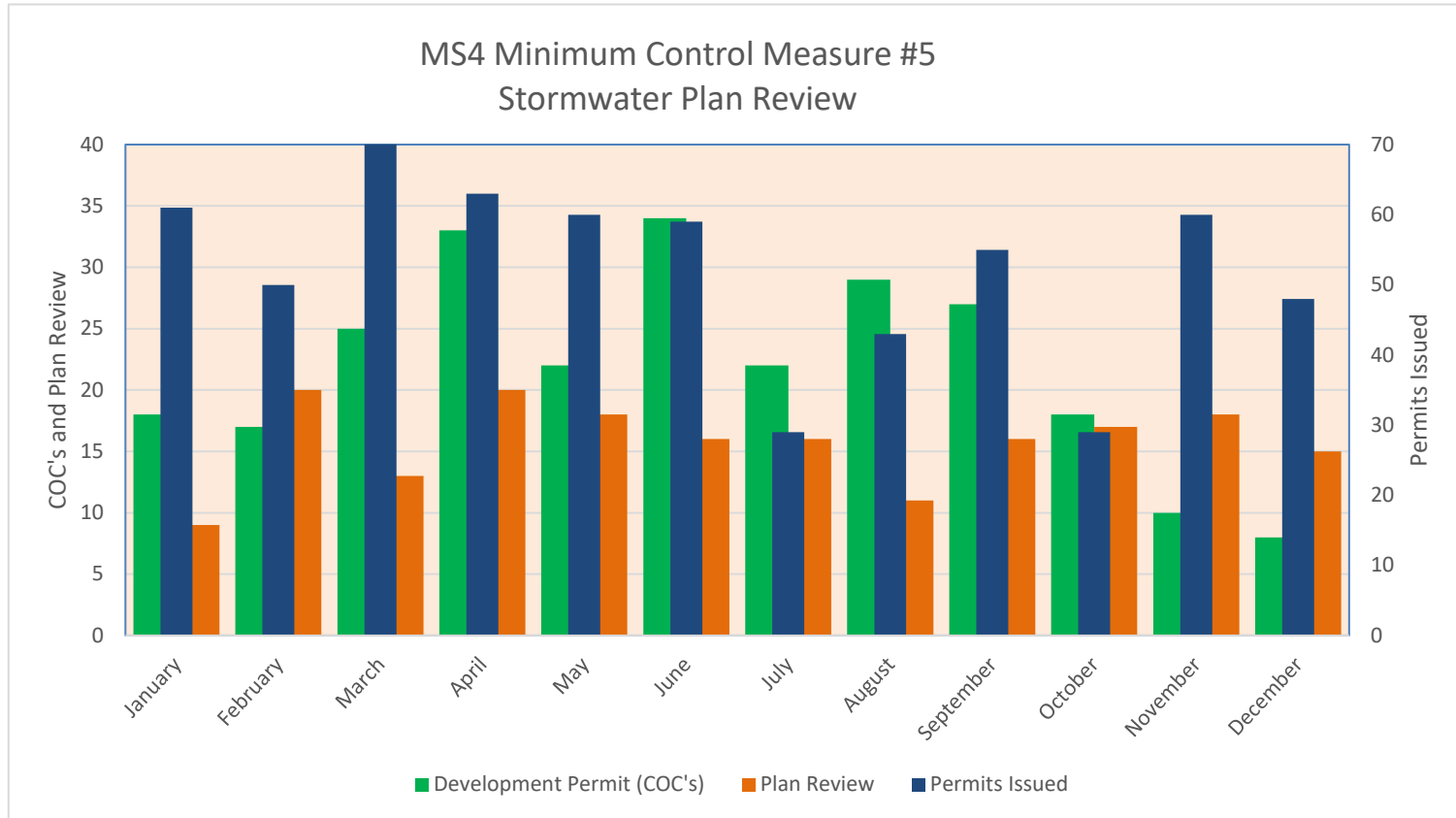
TYPE	October	November	December	Last 12 Months
Inspections Performed	615	548	543	5758
Drainage Complaints	2	1	0	12
IDDE Issues Investigated	1	1	1	11
Enforcement Actions	0	0	12	86
Post Construction BMP'S	-	1	0	9

MS4 Minimum Control Measure #5 Stormwater Plan Review



TYPE	October	November	December	Last 12 Months
Development Permit (COC's)	5	4	25	158
Plan Review	10	9	13	127
Permits Issued	53	28	45	404

2021 Graphs



TYPE	January	February	March	April	May	June	July	August	September	October	November	December	Last 12 Months
Development Permit (COC's)	18	17	25	33	22	34	22	29	27	18	10	8	263
Plan Review	9	20	13	20	18	16	16	11	16	17	18	15	189
Permits Issued	61	50	75	63	60	59	29	43	55	29	60	48	524

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	632	724	794	603	476	743	662	654	530	323*	611	538	5818
Drainage Complaints	0	0	0	0	0	0	0	0	0	0	0	0	0
IDDE Issues Investigated	1	0	1	1	0	0	0	1	0	1	0	0	5
Enforcement Actions	21	19	4	16	10	22	13	12	22	17	21	14	191
Post Construction BMP'S	1	2	0	1	0	0	0	0	0	0	1	0	9

EXHIBIT F

Types of Infrastructure

Type	Total
Access Pipe	1601
Bleeder Pipe	378
Channel	73
Channel (FKA Outfall)	12479
Channel Pipe	5467
Creek/Stream	266
Crossline Pipe	8542
Driveway Pipe	11996
Lateral Line	1331
Lateral Pipe	1727
River County	17
River/Creek/Marsh Banks	13439
Road Pipe	1495
Roadside Ditch	15811
Roadside Pipe	2633
Total	77255

Rating

Condition	Total
Fair	15213
Good	2352
Poor	7919
None	51771
Total	77255

EXHIBIT H

Beaufort County 2021 Stormwater Street Sweeper Stats

(October 1, 2020 through December 31, 2021)

Debris removed from roadway (County Roads).....6,525 cu.yds. (Reg. Debris)

12.5 Cubic Yards Per load

2 Loads per shift = 6,525 Cubic Yards

Assisting other Jurisdictions Sections.....250 Cu.Yds. (Reg. Debris)

Beaufort County Stormwater Sweeper Route..... See Map for detailed area

Additional areas of Sweeper coverage.....Red Cedar Rd., Persimmon St.,
Buckingham Rd.

Hazardous materials response call outs for Sweeper truck Yr.2021... None

Training for Operator / Crew 2021 Yr..... Osha Response to Hazmat level 1

(6 Hours) Beaufort County

Spill and disposal of Hazmat level1

(4 hours) On line

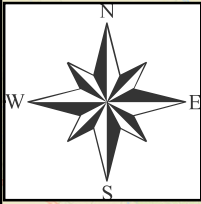
Communication in the workplace

(2 hours) Beaufort County

Sweeper Maintenance 2021Yr. Maintenance replacement of brushes


Computer command module replace

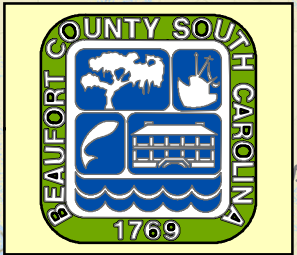
South of the Broad Sweeper



- | # | NAME |
|----|--------------------------------|
| 1 | OTTER HOLE DOC BLDG |
| 2 | BLUFFTON DOC BLDG |
| 3 | PRITCHARDVILLE DOC BLDG |
| 4 | GATES DOC BLDG |
| 5 | LI DOC BLDG |
| 6 | COFFIN PT DOC BLDG |
| 7 | CUFFY DOC BLDG |
| 8 | STHEL DOC ATTENDANT BLDG |
| 9 | EDDINGS POINT DOC BLDG |
| 10 | SHANKLIN RD DOC BLDG |
| 11 | BIG ESTATE DOC BLDG |
| 12 | LOBECO DOC BLDG |
| 13 | SHELDON DOC BLDG |
| 14 | HILTON HEAD BRANCH LIBRARY |
| 15 | BLUFFTON BRANCH LIBRARY |
| 16 | BEAUFORT COUNTY MAIN LIBRARY |
| 17 | DALE BRANCH LIBRARY |
| 18 | LOBECO BRANCH LIBRARY |
| 19 | ST HELENA LIBRARY |
| 20 | PUBLIC WORKS SOUTH |
| 21 | PUBLIC WORKS MAINTENANCE BLDG |
| 22 | COUNTY ADMINISTRATION BUILDING |

Roads Swept
 Bluffton Parkway
 Buckwalter Parkway
 HWY 278
 HWY 170

Legend
 Sweeper Locations




0 0.5 1 2 3 Miles
 Prepared by Beaufort GIS
 Created November 10, 2019

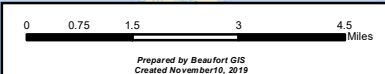
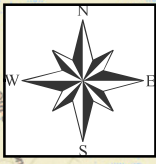
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

North of the Broad Sweeper

#	NAME
1	OTTER HOLE DOC BLDG
2	BLUFFTON DOC BLDG
3	PRITCHARDVILLE DOC BLDG
4	GATES DOC BLDG
5	LI DOC BLDG
6	COFFIN PT DOC BLDG
7	CUFFY DOC BLDG
8	STHEL DOC ATTENDANT BLDG
9	EDDINGS POINT DOC BLDG
10	SHANKLIN RD DOC BLDG
11	BIG ESTATE DOC BLDG
12	LOBECO DOC BLDG
13	SHELDON DOC BLDG
14	HILTON HEAD BRANCH LIBRARY
15	BLUFFTON BRANCH LIBRARY
16	BEAUFORT COUNTY MAIN LIBRARY
17	DALE BRANCH LIBRARY
18	LOBECO BRANCH LIBRARY
19	ST HELENA LIBRARY
20	PUBLIC WORKS SOUTH
21	PUBLIC WORKS MAINTENANCE BLDG
22	COUNTY ADMINISTRATION BUILDING

Roads Swept
 Bluffton Parkway
 Buckwalter Parkway
 HWY 278
 HWY 170

Legend
 Sweeper Locations



Prepared by Beaufort GIS
 Created November 10, 2016

Sources: Esri, HERE, Garmin, USGS, Pritchards, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

