



BEAUFORT COUNTY STORMWATER MANAGEMENT UTILITY BOARD AGENDA

Wednesday, November 18, 2015 2:00 p.m.

Beaufort Industrial Village, Building 3 Conference Room 104 Industrial Village Road, Beaufort 843.255.2805

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

- 1. CALL TO ORDER 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes October 21, 2015 (backup)
- 2. INTRODUCTIONS
- 3. PUBLIC COMMENT
- 4. REPORTS
 - A. Utility Update Eric Larson, P.E. (backup)
 - B. MS4 Update Eric Larson, P.E. (backup)
 - C. Monitoring Update Eric Larson, P.E. (backup)
 - D. Stormwater Implementation Committee Report Eric Larson, P.E. (backup)
 - E. Stormwater Related Projects Eric Larson, P.E. (backup)
 - F. Upcoming Professional Contracts Report Eric Larson, P.E. (backup)
 - G. Regional Coordination Eric Larson, P.E. (backup)
 - H. Financial Report (backup)
 - I. Maintenance Projects Report Eddie Bellamy (backup)
- 5. UNFINISHED BUSINESS
 - A. Shellfish Harvesting Update- Kevin Pitts (backup)
- **6.** NEW BUSINESS
- 7. PUBLIC COMMENT
- 8. EXECUTIVE SESSION
 - A. Discussion of Negotiations Incident to Proposed Contractual Arrangements and Proposed Purchase of Factory Creek Watershed Site
- 9. NEXT MEETING AGENDA
 - A. December 16, 2015 (backup)
- **10.** ADJOURNMENT



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

October 21, 2015 at 2:00 p.m. in Beaufort Industrial Village Building #3 Conference Room Draft 11/03/15

Board Members		Ex-Officio Members		
Present	Absent	Present	Absent	
Don Smith	William Bruggeman	Andy Kinghorn	Van Willis	
Allyn Schneider		Scott Liggett	Jeremy Ritchie	
Marc Feinberg				
Larry Meisner				
Patrick Mitchell				
James Fargher				

Beaufort County Staff

Eric Larson
Eddie Bellamy
Patricia Wilson
Kevin Pitts
Danny Polk
Allison Coppage

Visitors

Anthony Maglione, Applied Technology Management Ed Modzelewski, Applied Technology Management Reed Armstrong, Coastal Conservation League Denise Parsick, BSWCD

1. Meeting called to order – Don Smith

- **A.** Agenda The Agenda was approved.
- **B.** September 30, 2015 Minutes Approved.
- **2. Introductions** Completed.
- **3. Public Comment(s)** Mr. Eric Larson expressed condolences for the passing of Mr. Lamar Taylor's father. Mr. Taylor is the City of Beaufort's Public Works Director.
- **4. Reports** Mr. Eric Larson and Mr. Eddie Bellamy provided a written report which is included in the posted agenda and can be accessed at: http://www.bcgov.net/departments/Administrative/beaufort-county-council/boards-and-commissions/council-appointed/board-list/stormwater-management-utility-board/agendas/2015/102115.pdf

A. Utility Update – Eric Larson

Rate Structure Ordinance and Rate Increase – Staff have been putting in overtime to make sure the tax system reflects the new rate increase on the tax bill. Staff is also working on public information to be included with the tax bill and have been updating the website to provide more information. The Utility is preparing for a high volume of calls once the bills are sent out.

B. Municipal Separate Storm Sewer System (MS4 Update) – Eric Larson

MS4 Permit Application –Mr. Larson stated that the effective permit date has been pushed back to possibly December 1, 2015. SCDNR commented that they did not have sufficient time to review the permit, so a re-notice has to be issued.

MS4 Staffing – The MS4 Coordinator position has been accepted by Rebecca Baker, the MS4 coordinator for the City of Bartow, FL. Her anticipated start date is November 9, 2015.

Beaufort County Pond Conference – Mr. Larson reminded the board members of the Neighbors for Clean Water Pond Conference on October 22, 2015 at USCB's Gateway Campus. He stated that those who were not signed-up could pay at the door.

C. Monitoring Update – Eric Larson

SCASM Presentation - In November, Mr. Kevin Pitts (Beaufort County Stormwater Inspector) along with Ms. Kim Jones (Town of Bluffton) and Dr. Alan Warren (USCB) will report on benefits of collaborating with surrounding municipalities and utilizing local assets to meet stormwater goals.

Pre and Post Construction - USCB lab staff had a meeting with Mr. Danny Polk and Mr. Kevin Pitts about the pre and post-construction sampling for the Wal-Mart sites to help measure the effectiveness of Stormwater BMPs.

US 278 Pond Project – Mr. Larson clarified for Mr. Don Smith that the four ponds are located near Highway 278. One pond is located on Pinckney Colony Road, one pond is located at Berkley Hall Maintenance Facility and two other ponds are located on Barrel Landing Road. Staff is measuring pre and post sampling to study the efficacy of the BMPs.

D. Stormwater Implementation Committee (SWIC) Report – Eric Larson

SWIC Meeting October 8, 2015- Reviewing ATM's Scope and Fee was the main topic. Included in the posted agenda are the meeting minutes, Beaufort Soil and Water Conservation District report and attachments.

E. Stormwater Related Projects – Eric Larson

Okatie West / SC 170 Widening Retrofit Land Purchase – The contract with DHEC has been signed and a RFQ for design services will be issued within the next few months.

Huspah Court South Ditch Easement / Mike Zara – Mr. Larson updated his written report by stating that the county has a tentative agreement with the property owner.

Island Shops Final Development Plan Review – Mr. Larson reminded the board that Island Shops is the new development on Sea Island Parkway which includes Wal-Mart. His participation with plan reviews is complete.

F. Professional Contracts Report – Eric Larson

Utility Rate Study — The portion of the rate study for the municipalities will be completed in November and presented to the Board at the November meeting. Two municipalities have asked to bring the Rate Study before the County Stormwater Utility Board prior to going before their board. Stormwater Management Plan (Master Plan) Update — Applied Technology and Management, Inc. (ATM) and the SWIC have agreed to a scope, fee, and schedule. This was included in the posted agenda. The Board voted unanimously to recommend ATM for the \$475,000 Management Plan Update to Beaufort County Council's Natural Resources Committee.

G. Regional Coordination - Eric Larson

City, County and State Partnership - Mr. Larson met with the City of Beaufort and SCDOT to discuss stormwater projects within the City to include a partnership with the County and State. The County would be reimbursed for some of the work being proposed. The City is currently working on designs and budgets to correct the drainage projects.

H. Financial Report -

The report was not provided this month.

I. Maintenance Projects Report – Mr. Eddie Bellamy

Mr. Eddie Bellamy referred to his written report included in the posted agenda which consisted of 1 major and 15 minor or routine projects. Mr. Bellamy added that crews have completed a significant amount of work on Huspah Drive. He also discussed difficulties the county experiences obtaining easements and permits to complete needed projects such as Mint Farms wetlands. Mr. Bellamy responded to a question of consequences to significant rainfall by saying the only bad issue was a blocked median on Highway 278 caused by silt filter cloth blocking the drainage.

5. Unfinished Business –

2016 SWMU Board Draft Schedule – The SWMU Board unanimously approved the 2016 draft schedule.

6. New Business – Mr. Eric Larson

Overview of MS4 Implementation Permit Year 1 (PY1) - Mr. Larson's PowerPoint presentation was included in the posted agenda. Mr. Larson discussed current MS4 locations and future locations. He also discussed the following Minimum Control Measures (MCM):

- 1. Public Education
- 2. Public Outreach and Involvement
- 3. Illicit Discharge, Detection, and Elimination (IDDE)
- 4. Construction Run-Off
- 5. Post Construction Best Management Practices (PC-BMP)
- 6. Good Housekeeping in Municipal Op

Discussion of Shellfish Harvesting Status – Board members would like a status report on shellfish harvesting included in new business next meeting.

7. Public Comment(s) – None

8. Executive Session -

Discussion of Negotiations Incident to Proposed Contractual Arrangements and Proposed Purchase of Factory Creek Watershed Site – Following the Executive Session, the Board voted unanimously to approve funding for a Feasibility Study for the Factory Creek Watershed Site to evaluate an alternate location for implementing the project listed in the 2006 Stormwater Management Plan. Mr. Larson was given the discretion to procure a consultant by either selection of a pre-qualified contractor or utilizing the ATM contract for the Management Plan.

9. Next Meeting Agenda- Approved with item 6A removed from the agenda. The agenda is included in the posted agenda.

10. Meeting Adjourned.



BEAUFORT COUNTY STORMWATER UTILITY 120 Shanklin Road Beaufort, South Carolina 29906

Voice (843) 255-2801 Facsimile (843) 255-9478



November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Utility Update

- 1. Mr. Eric Larson has reviewed 10 projects for County Staff Review Team.
- 2. Rate Structure Ordinance and Rate Increase Staff completed the annual tax run. As of November 6, 2015, stormwater staff had 164 hours of overtime. Tax notices will be mailed out the week of November 9 or 16.
- 3. Larson spoke to nearly 500 people at Sun City on stormwater related issues.



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

MS4 Update

- 1. MS4 Permit Application The effective date of the permit will be December 1, 2015. We received written confirmation from DHEC. The delay due to comments by SC-DNR resulted in an additional permit condition to submit to Stormwater Management Plan for the MS4 permit to DNR for review once it is ready.
- 2. MS4 Staffing We are happy to introduce our new MS4 Coordinator Rebecca Baker, formerly the MS4 coordinator for the City of Bartow, FL. She brings a wealth of experience in MS4 permit implementation.
- 3. Beaufort County Pond Conference The conference was October 22, 2015 at USCB Gateway campus in Bluffton. Final attendance was 86 paid participates in addition to numerous volunteers and presenters, resulting in over 100 people in attendance. The conference actually profited approximately \$847, which will be put back into expenses for public education.
- 4. Education and Outreach Beaufort Soil and Water Conservation District provided a monthly report at the monthly SWIC meeting. See the report as part of the meeting minutes of the SWIC.



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Monitoring Update

- 1. The shellfish harvesting summary report prepared by staff is attached and will be presented at the meeting.
- 2. SCASM Presentation In November, Mr. Kevin Pitts (Beaufort County Stormwater Inspector) along with Ms. Kim Jones (Town of Bluffton) and Dr. Alan Warren (USCB) will report on benefits of collaborating with surrounding municipalities and utilizing local assets to meet stormwater goals.
- 3. USCB and County MOU for the Lab Services Mr. Larson and Dr. Warren will be meeting the week of November 23, 2015 to discuss a proposed draft of a new MOU that allows more flexibility in the quantity, type, and locations of samples to be collected and tested. This will allow us to adjust to new MS4 needs more easily.



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Stormwater Implementation Committee (SWIC) Report

1. The SWIC met on November 12, 2015. The main topics of the meeting were discussion to finish the rate study, status of the Stormwater Management Plan contract, public education efforts, and monitoring equipment needs. See attached minutes. The SWIC meets again on December 9, 2015.

DRAFT MINUTES

November 12, 2015, 1:00 pm at BJWSA, 6 Snake Road, Okatie, SC

Invited	Eric Larson, Bryan McIllwee, Lamar Taylor, Van Willis, Danny Polk, Kevin
Attendees:	Pitts, Shelby Berry, Rebecca Baker, Bill Baugher, Bates Rambow

- 1. Approval of Aug. 12, 2015 and Oct. 8, 2015 meeting minutes approved by common consent.
- 2. Public Education
 - a. Report from BCSWCD (See attached)
 - i. Report on recent activity See attached report.
 - 1. Shelby mentioned the lack of good visibility of the Bluffton Arts and Seafood Festival. However, they still had a lot of visitors.
 - 2. Bag Dispenser Order SWIC agreed to make another order of 500 for next spring activities. A portion of the units could be used to distribute to animal hospitals, vets, etc. Shelby noted this could be done in conjunction with KBCB for funding.
 - ii. Pond Conference Update See attached summary of the conference evaluations. Revenue will be put back into the stormwater public education budget. Any cost-share amounts can be re-allocated for FY 2017. County Channel is putting together a documentary of the event.
 - iii. Adams Outdoor Advertising Partnership SWIC reviewed the "scoop the poop" message for the electronic billboard. Beth Lewis has revised statistics to quote in the advertisement. Shelby will get the corrections to Adams and get the electronic Advertisement board going ASAP. Static billboards SWIC discussed doing two different messages. It is recommended to do the short life vinyl sign for the general N4CW logo message and the long life vinyl sign for the pet waste message.
 - b. SCASM Nov. 19th Presentation by BC, ToB, USCB lab Larson noted the presentation by the County, ToB, and USCB.
 - c. Five Star 2016 Grant Shelby is going to attend the webinar to learn more about it. Larson mentioned the pet waste bag dispenser project might be a good project. Taylor mentioned a rain garden program might be a good grant project as well.

3. MS4

- a. Effective date Everyone acknowledged that DHEC has set the date as December 1, 2015.
- b. County New Hire Rebecca Baker Rebecca was hired to assist the County with the MS4 permit implementation.
- 4. Management Plan
 - a. Contract approval status at County Council Larson gave the SWIC an update on the contract approval. The NRC has asked for more information on the purpose and cost, which delayed action until December. Larson asked each Town and City to send a letter to Gary Kubic stating support of the selection process, need, and cost share.
- 5. Rate Study
 - a. Tax Run status Larson announced that the annual bills went out this week.

b. Status on Towns, City Rate Study - Larson noted that ATM won't be ready to do a presentation for the November SWUB meeting. Perhaps December.

6. Monitoring

a. Equipment Specifications and Mutual Assistance - ToHHI is moving towards doing monitoring in-house and with USCB and canceling their contract with GEL Engineering. They were curious of what equipment others are using. BC and ToB discussed which equipment brands and models they have and costs for each. Larson offered assistance with training on use and loaning equipment for short durations to test them out. Baugher also offered assistance and advice. Baker noted we should identify the pollutants of concern before buying expensive equipment that may not be needed.

7. Reports by each jurisdiction

a. BC

- i. P3 on Lady's Island. The County is considering a private public partnership to construct a regional detention basin on a new development.
- ii. See other items (#8)
- b. ToHHI They are working on their IDDE ordinance. Serves as their stormwater ordinance. First reading November 17th.
- c. ToB They have hired a new GIS technician. He has recently prepared a study of King Tides in the area. This is good information that they will be posting on their website soon. The study covers the whole county.

d. CoB

- i. City Council has a committee studying King Tides and impacts. The committee meets monthly. Dr. Chris Marsh is leading the committee.
- ii. They have a couple of larger stormwater projects being advertising for bids.
- iii. Sidewalk projects to rehab damaged sections.
- iv. Boundary Street Construction starting soon. Will be working 24 hours a day for a portion of the project.
- v. Lady Island Wal-Mart starts construction in January.
- e. ToPR -Town has had issue with "tract builders" type developers that are filling lots and impacting adjacent homes with runoff problems. They are trying to address these stormwater problems by asking to developers submit plans to address the concerns.

8. Other items

- a. Fecal Coliform Tracking SWIC discussed other sources of fecal and what each community is doing to address eliminating them.
- b. Education in the schools SWIC discussed what activity is occurring in the schools. It was noted education was focused on 7th grade.
- c. Rain Garden Education The need was mentioned to get an education program together for the development community. This could possibly be funded by the Five Star Grant too. Larson mentioned that USCB may have an opportunity if not too late. They were adding a raingardens for a dorm currently under construction.
- d. Watershed Drainage Planning Discussion continued about developer problems and lack of proper stormwater drainage plans. Holistic management is needed.

9. Next Meeting

a. Next meeting - December 9, 2015 @ 1:30pm at BJWSA Community Room

10. Adjourn at approx. 2:30 pm.

Stormwater Education Report - Beaufort Conservation District November 12, 2015

1. Pond Conference

The Oct 22 Neighbors for Clean Water Stormwater Pond Conference at USCB had a total registration of 86 attendees and 22 presenters and workers. Downloads of presentations can be viewed at http://www.dnr.sc.gov/marine/NERR/trainingcleanstormwater.html
The evaluations forms showed overall that many people reported that it was a great, professional conference that was very educational and beneficial.

2. Festivals & Education Outreach

We presented the Enviroscape Model, Pet Waste Bags & flyers, & a general Neighbors for Clean Water display at the Bluffton Art & Seafood Festival Sat. & Sun, Oct 17-18. The festival was well attended, but the environmental booths were on a quiet side street by the park. We did get severgal groups of families and had over100 personal contacts.

3. Billboards

Michael Ruthsatz with Adams Outdoor Advertising, presented billboard advertising possibilities for non profits at the last SWIC Meeting. They immediately placed a free advertisement for the Pond Conference on their digital sign on HWY 170(see below). We are also planning on putting up a digital pet waste ad as well as two billboards for the cost of making the vinyl displays.

Digital Pond Conference Ad posted Around 10/13/ 2015



Pet Waste **draft** Advertisement



	FY15	FY16	Reimb submitted
Inome For Conference			
Proceeds from Reg Fee \$35 x 86 participants		3010	
Budgeted Funds	1000	1000	
Total Income Available	1000	4010	
Expenses			
Food Services (Breakfast, Lunch, Water (\$13.00)		-1337.75	BSWCD Oct 2015 invoice
Also includes Lunches for workers & presenters			
Processing fee for registration from on line service		-240.16	Fees retained by Eventbrite
Facilities Payment (pd in FY15)	-1300		BSWCD June 2015 invoice(FY15)
Direction Signs		-211.47	BSWCD Oct 2015 invoice
Event Insurance		-73.52	BSWCD Oct 2015 invoice
Total Conference Expenses	-1300	-1862.9	
Total Net	-300	2147.1	
Total Pond Conf Balance Net FY15 & FY 16		1847.1	

Neighbors for Clean Water Stormwater Pond Conference

Participant Evaluations Response Rate: 66%

How would you best characterize your affiliation?

Community/Neighborhood Assn	32%	17
Business	32%	17
City/Town Government Staff	15%	8
County Government Staff	11%	6
Federal Agency	9%	5
State Agency	8%	4
Non-profit Group	4%	2
Other	4%	2
University/College	2%	1
Regional Agency or Association	0%	0
State Government	0%	0

Participating in this event was a good use of time?

Strongly Agree	57%	30
Agree	43%	23
Neutral	0%	0
Disagree	0%	0
Strongly Disagree	0%	0

How much did this workshop increase your knowledge of ponds/pond management?

A Great Deal	23%	12
A Lot	49%	26
Some	23%	12
A Little	6%	3
Not At All	0%	0

Did you learn something new that you will apply to your work or future questions?

Yes	90%	46
No	0%	0
Maybe	8%	4
Prefer not to answer/Not Applicable	2%	1

Which component of today's workshop was most useful to you?

Overview of stormwater ponds	8
Shorescaping	7
Algae management	6
Maintenance	5
Community resources	5
Dredging	4
Aquatic weed management	4
Pond tour	3
Rookery management	3
MS4	3
Upland management	2
Fish stocking and harvesting	2
Discussion panel	2
Nuisance wildlife	1

Which component of today's workshop was least useful to you?

Sea Grant update	4
Pond tour	4
Fish stocking	2
Stormwater basics	1
State perspective	1
Palmetto dunes	1
Community resources	1
Aquatic weed management	1
Panel discussion	1
Dredging	1

Please describe your thoughts about the following aspects of today's workshop:

	Unsatisfied	Somewhat unsatisfied	Satisfied	A good bit satisfied	Very Satisfied
Overall Event Content	0% 0	2% 1	15% 8	23% 12	60% 32
Overall Event Format	2%	0%	11%	36%	51%
	1	0	6	19	27
Length	0%	0%	8%	49%	43%
	0	0	4	26	23
Level of Detail Provided	0%	6%	17%	34%	43%
	0	3	9	18	23

How did you hear about this conference?

Email Listserve	55%	26
Website	32%	15
Word of Mouth	19%	9
Social Media	2%	1
Mailer Postcard	0%	0
Newspaper	0%	0

What additional pond-related opportunities would be useful to you?

Maintenance and upkeep	3
Make this annual	3
Community education	2
Field workshops	1
Insect control	1
Expert panel discussion	1
Chemical weed control	1
Trade show/vendors	1
Bacteria loading	1
Dry ponds	1
Drainage	1
Invasive species control	1
Raingardens	1
Native plants	1
Volume reduction	1

Any other comments about this workshop or suggestions for the future?

"Very thorough and good broad brush introduction to stormwater management maintenance and troubleshooting and repair."

"Hearing the commitment from Mr. Newton and Mr. Sommerville was encouraging and set a positive tone for the event today."

[&]quot;Ya'll are providing a great service and product thank you."

[&]quot;Great first step in public education."

[&]quot;Need awareness to public. That is key to its success."

[&]quot;More specific things can we do or volunteer to assist on."



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Stormwater Implementation Committee (SWIC) Report

1. The SWIC met on November 12, 2015. The main topics of the meeting were discussion to finish the rate study, status of the Stormwater Management Plan contract, public education efforts, and monitoring equipment needs. See attached minutes. The SWIC meets again on December 9, 2015.



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Stormwater Related Projects

- 1. US 278 Retrofit Ponds (\$356,000 =Budget) Nothing new to report. Weather continues to slow progress. The contractor is clearing a third pond site at this time.
- 2. Turtle Lane Paving on Lady's Island (Stormwater Add-On) (\$8,940 Budget) Staff is in the process of obtaining needed easements. We are soliciting a quote from the Design Build firm that is paving the road before we commit to do the work in-house.
- 3. Okatie West / SC 170 Widening Retrofit Land Purchase (Land Acquisition = \$160,415 Budget, Design and Construction = \$915,000 Budget) Closing of the property is still pending. The RFP for design services is currently being advertised. SOQs are due November 30, 2015.
- 4. SC 170 Widening Pond #8 project (Land Acquisition = \$155,694 Budget, Design and Construction = \$630,840) Closing of the property is still pending. Nothing new to report.
- 5. Huspah Court South Ditch Easement / Mike Zara Larson met with Mr. Zara and reviewed his requests. An additional site meeting with Planning staff is scheduled for November 23. After that meeting, a proposal will be sent to the property owner.
- 6. Staff responded to numerous complaints due to flooding and the recent volume of rain.



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Professional Contracts Report

- 1. Utility Rate Study The portion of the rate study for the municipalities is still pending and will not be presented to the Board at the November meeting.
- 2. Stormwater Management Plan (Master Plan) Update Recommendation to the Natural Resources Committee has been delayed until December. The Chairman has asked for additional information to be presented to the Committee and time was needed to prepare the presentation.



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November 18, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Regional Coordination

- 1. Battery Creek Pond Funded by an EPA 319 Grant (\$132,609 Budget County Portion) No update to report. (Lamar Taylor may also report)
- 2. May River Watershed Action Plan No update to report. (Kim Jones or Jeremy Ritchie may also report)
- 3. Stoney Creek Project No update to report.
- 4. Pine Ridge Retrofit Project No update to report.
- 5. Buckingham Plantation Drive Innovation District Conceptual Design Study (\$25,000 Budget SWU Portion) Nothing new to report.
- 6. SC 170 Widening Nothing new to report.
- 7. City of Beaufort Stormwater Assistance MOU Nothing new to report.
- 8. Factory Creek Watershed Regional Detention Basin & Academy Park Subdivision Proposal. A Feasibility study is in progress. This item will be discussed further in Executive Session.
- 9. City of Beaufort and SCDOT Partnership Projects Nothing new to report.
- 10. Plantation Business Park Drainage Assessment We have contracted with Ward Edwards to prepare an evaluation of the condition of the Stormsewer System in this development. The POA is requesting the County and Town of Bluffton to take over the ownership and operations of the system. This is a result of an agreement from the initial development in early 2000's that was never completed.



COUNTY COUNCIL OF BEAUFORT COUNTY

FINANCE DEPARTMENT

Post Office Drawer 1228 Beaufort, South Carolina 29901-1228

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Michael Dunn Fiscal Tech 843.255.2951 mdunn@bcgov.net November 12, 2015

September 2015 Stormwater Financials Narrative and Analysis

Since September is the 3rd month of the fiscal year, one might expect expenses to be at 25% of budget based on consistent and recurring expenses. Stormwater is currently below this budget level at 15%.

The main source of revenue is from Stormwater Utility fees in property tax bills and these bills have not yet been billed for fiscal year 2016. The fees received relate to delinquent property tax payments in September. Stormwater should have a better idea of utility fees when the property taxes are mostly collected in December and January.

With the recent addition of the Capital Improvement Fund, some Stormwater Utility Funds have been transferred for larger retrofit projects that might take several years to fund and finish. Therefore, the Stormwater cash balance is now comprised of two cash balances. The Stormwater cash balance has decreased by about \$181,000 compared to last year, along with a decrease in fund balance by about \$125,000.

Respectively submitted,

Alan R. Eisenman, CPA

ALR. E

102 Industrial Village Road, Building 2, Beaufort, SC 29906

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF NET ASSETS
Stormwater Utility and Capital Improvement Funds
September 30, 2015 & September 30, 2014

ACCETO	mwater Utility Fund mber 30, 2015	Improv	Capital vements Fund nber 30, 2015	mwater Utility Fund ember 30, 2014	Capital Improvements Fur September 30, 20	
ASSETS Current Assets Cash and Investments with Trustee Receivables, Net Inventories Prepayments Total Current Assets	\$ 1,576,532 1,445 73,741 	\$	376,968 - - - - 376,968	\$ 1,333,358 - 113,850 - 1,447,208	\$	801,571 - - - 801,571
Capital Assets Accumulated Depreciation	 3,067,236 (2,266,395) 800,841		<u>:</u>	 2,980,317 (2,094,463) 885,854		
Total Assets	\$ 2,452,559	\$	376,968	\$ 2,333,062	\$	801,571
LIABILITIES Liabilities Account Payable Accrued Payroll Accrued Compensated Absences Total Current Liabilities	 103,993 74,963 7,823 186,779		2,352	 74,953 77,166 6,247 158,366		12,568 - - 12,568
Long Term Liabilities Accrued Compensated Absences Net Other Postemployment Benefits Obligation Total Long Term Liabilities	 79,582 702,056 781,638		· ·	 67,554 911,581 979,135		
Total Liabilities	968,417		2,352	1,137,501		12,568
NET ASSETS Invested in Capital Assets, Net of Related Debt Reserved for Encumbrances Reserved for Capital Improvements Unrestricted	800,841 205,552 - 477,749		145,890 228,726	885,854 599,739 - (290,032)		307,587 481,416
Total Net Assets	\$ 1,484,142	\$	374,616	\$ 1,195,561	\$	789,003

Unaudited and Preliminary BEAUFORT COUNTY, SOUTH CAROLINA STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS Stormwater Utility Fund For the Period Ended September 30, 2015

	Budget FY 2016		Actual	Budget to Actual	Percent of Budget
Operating Revenues Stormwater Utility Fees Countywide Infrastructure Stormwater Utility Project Billings Total Operating Revenues	\$ 5,058,882 496,148 275,851 5,830,881	\$	57,178 - 399 57,577	(5,001,704) (496,148) (275,452) (5,773,304)	1% 0% 0% 1%
Total Operating Revenues	3,030,001	3: 	31,311	(3,773,304)	170
Operating Expenses Personnel Purchased Services Supplies Depreciation Total Operating Expenses	2,563,225 1,308,162 358,324 248,481 4,478,192		410,949 165,613 55,238 62,120 693,920	(2,152,276) (1,142,549) (303,086) (186,361) (3,784,272)	16% 13% 15% 25%
Operating Income (Loss)	1,352,689		(636,343)	(1,989,032)	-47%
Non-Operating Revenues (Expenses) Interest Earned Total Non-Operating Revenues (Expenses)	2,771 2,771		<u>-</u>	(2,771) (2,771)	0% 0%
Transfers Out To Capital Improvement Fund	495,908		-	(495,908)	100%
Change in Net Assets	859,552		(636,343)	(1,495,895)	-74%
Net Assets, Beginning	2,120,485		2,120,485		
Net Assets, Ending	\$ 2,980,037	\$	1,484,142	(1,495,895)	50%

Unaudited and Preliminary BEAUFORT COUNTY, SOUTH CAROLINA STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS Stormwater Capital Improvements Fund

For the Period Ended September 30, 2015

	Bud FY 2			Actual	Budget to Actual	Percent of Budget
Transfers In from Stormwater Utility Fund Administration Complex Parking Lot Retrofit	\$		\$		100	0%
Okatie East Retrofit	Ψ	-	Φ			0%
Highway 278 Retrofit		-		-	-	0%
Okatie West Retrofit		-		-	(400,000)	0%
Buckingham Plantation Retrofit		0,000		-	(400,000) (95,908)	0% 0%
Upper Battery Creek Retrofit Brewer Memorial Park	8	5,908			(93,906)	0%
Total Transfers In	49	5,908		-	(495,908)	0%
Capital Improvement Expenses					0.55	1000/
Administration Complex Parking Lot Retrofit		-		255	255	100%
Okatie East Retrofit		-		1,250	1,250	100%
Highway 278 Retrofit		7,590		14,805	(32,785)	31%
Okatie West Retrofit		5,000		-	(315,000)	0%
Buckingham Plantation Retrofit		0,000		2.000	(400,000)	0%
Upper Battery Creek Retrofit Brewer Memorial Park		7,604 9,500		2,860	(114,744) (9,500)	2% 0%
Total Operating Expenses		9,694	*****	19,170	(870,524)	100%
Change in Net Assets by Project				(0.55)	(0.55)	
Administration Complex Parking Lot Retrofit				(255)	(255)	
Okatie East Retrofit				(1,250)	(1,250)	
Highway 278 Retrofit				(14,805)	(14,805)	
Okatie West Retrofit				-	-	
Buckingham Plantation Retrofit				(2,860)	(2,860)	
Upper Battery Creek Retrofit Brewer Memorial Park				(2,000)	(2,000)	
Total Change in Net Assets by Project				(19,170)	(19,170)	
Total Change in Net Assets by Project				(13,170)	(13,170)	
Net Assets, Beginning				04.040		
Administration Complex Parking Lot Retrofit		4,919		24,919		
Okatie East Retrofit		5,169		35,169		
Highway 278 Retrofit		3,670		143,670		
Okatie West Retrofit		2,285		62,285		
Buckingham Plantation Retrofit		2,500		2,500		
Upper Battery Creek Retrofit	12	5,243		125,243		
Brewer Memorial Park	20	3,786	5	393,786		
Total Net Assets, Beginning	39	3,700		393,700		
Net Assets, Ending						
Administration Complex Parking Lot Retrofit				24,664		
Okatie East Retrofit				33,919		
Highway 278 Retrofit				128,865		
Okatie West Retrofit				62,285		
Buckingham Plantation Retrofit				2,500		
Upper Battery Creek Retrofit				122,383		
Brewer Memorial Park						
Total Net Assets, Ending		-	\$	374,616		

Unaudited and Preliminary BEAUFORT COUNTY, SOUTH CAROLINA STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS Stormwater Utility Fund For the Period Ended September 30, 2014

		Budget FY 2015		Actual	Budget to Actual	Percent of Budget
Operating Revenues Stormwater Utility Fees Stormwater Utility Project Billings	\$	3,132,205 44,189	\$	38,074 281	(3,094,131) (43,908)	1% 1%
Total Operating Revenues		3,176,394		38,355	(3,138,039)	1%
Operating Expenses Personnel Purchased Services Supplies		2,261,074 684,864 350,509		475,571 114,390 60,435	(1,785,503) (570,474) (290,074)	21% 17% 17%
Depreciation	_	182,523		45,633 696,029	(136,890)	25%
Total Operating Expenses		3,478,970		090,029	(2,782,941)	20%
Operating Income (Loss)		(302,576)		(657,674)	(355,098)	217%
Non-Operating Revenues (Expenses) Gain (Loss) on Sale of Capital Assets Interest Earned Total Non-Operating Revenues (Expenses)		2,955 2,955		-	(2,955) (2,955)	0% 0% 0%
Transfers Out To Capital Improvement Fund				-		0%
Change in Net Assets		(299,621)		(657,674)	(358,053)	220%
Net Assets, Beginning		1,853,235	-	1,853,235		
Net Assets, Ending	\$	1,553,614	\$	1,195,561	(358,053)	77%

Unaudited and Preliminary BEAUFORT COUNTY, SOUTH CAROLINA STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

Stormwater Capital Improvements Fund For the Period Ended September 30, 2014

	Budget FY 2015	Actual	Budget to Actual	Percent of Budget
Transfers In from Stormwater Utility Fund Administration Complex Parking Lot Retrofit Okatie East Retrofit Highway 278 Retrofit Okatie West Retrofit	\$	\$ - - - -	=	0% 0% 0% 0% 0%
Buckingham Plantation Retrofit Upper Battery Creek Retrofit Total Transfers In				0% 0%
Capital Improvement Expenses Administration Complex Parking Lot Retrofit Okatie East Retrofit Highway 278 Retrofit	, <u>.</u> :	360 1,458	360 1,458	100% 100% 0%
Okatie West Retrofit Buckingham Plantation Retrofit Upper Battery Creek Retrofit Total Operating Expenses	-	12,938 - - 4,634 19,390	12,938 - 4,634 19,390	100% 0% 100%
Change in Net Assets by Project Administration Complex Parking Lot Retrofit		(360)	(360)	10070
Okatie East Retrofit Highway 278 Retrofit Okatie West Retrofit		(1,458) - (12,938)	(1,458) - (12,938)	
Buckingham Plantation Retrofit Upper Battery Creek Retrofit Total Change in Net Assets by Project		(4,634) (19,390)	(4,634) (19,390)	
Net Assets, Beginning Administration Complex Parking Lot Retrofit Okatie East Retrofit Highway 278 Retrofit Okatie West Retrofit Buckingham Plantation Retrofit		327,169 40,892 207,722 100,000		
Upper Battery Creek Retrofit Total Net Assets, Beginning		132,610 808,393		
Net Assets, Ending Administration Complex Parking Lot Retrofit Okatie East Retrofit Highway 278 Retrofit Okatie West Retrofit Buckingham Plantation Retrofit Upper Battery Creek Retrofit		326,809 39,434 207,722 87,062 - 127,976		
Total Net Assets, Ending	\$ -	\$ 789,003		



Date: November 18, 2015

To: Stormwater Management Utility Board

From: Eddie Bellamy, Public Works Director

Re: Maintenance Project Report for November 2015

1. This report will cover three major and 12 minor or routine projects. The Project Summary Reports are attached.

2. Major Project:

- **A.** Alljoy Area Drainage Upgrade, completed in September in Bluffton Township, District 9; we improved 493 feet of drainage system. We cleaned out 493 feet of SCDOT roadside ditch that acts as outfall for County maintained roads in the area. We also replaced five driveway pipes and jetted a crossline pipe, an additional driveway pipe and hydroseeded for erosion control. Total cost of the project was \$29,426.
- **B.** Mint Farm Subdivision, completed in September in Burton, District 6; we improved 6,860 feet of drainage system. We cleaned out 6,860 feet of roadside ditch and jetted 42 driveway pipes. Total cost of the project was \$42,224.
- C. Irongate Subdivision, completed in October in Burton, District 6; we improved 985 feet of drainage system. We grubbed, cleared, and reconstructed 255 feet of channel and workshelf; cleaned out 730 feet of roadside ditch; installed one access pipe; and installed rip rap and hydroseeded for erosion control. Total cost of the project was \$29,687.

3. Minor or Routine Projects:

- **A.** St. Helena Island Bush Hogging, completed in July in District 8; we bush hogged 105,592 feet of channel and associated workshelves. Total cost was \$62,997 or \$.60/foot.
- **B.** Godwin Road, completed in July in District 6; we cleaned out 560 feet of roadside ditch and 1,560 feet of valley drains; jetted four driveway pipes and 134 feet of roadside pipe.
- **C. SC 170 Project Support,** completed in August in District 9, we reconstructed a check dam/pond overflow to the correct elevation.
- **D.** Coakley Drive Channel #1, completed in August in District 5; we cleaned out 615 feet of channel and jetted three access pipes.
- **E. BIV Water Quality Demonstration Project**, completed in September in District 6; we constructed a raingarden.

- **F. JB Lane**, completed in September in District 8; we removed a blockage from the flowline.
- **G.** Port Royal Island Bush Hogging, completed in October in District 6; we bush hogged 109,820 feet of channel and associated work shelves. Total cost was \$69,630 or \$.63/foot.
- **H.** Rice Road, completed in October in District 6; we reset a catch basin lid.
- I. Charleston Drive, completed in October in District 6; we repaired two washouts.
- **J.** Ogden Court, completed in October in District 7; we repaired a washout.
- **K.** Hummingbird Drive, completed in October in District 6; we installed a driveway pipe.
- **L.** Oakhurst Road, completed in October in District 5, we cleaned out 1,451 feet of channel and jetted one access and two crossline pipes.



Beaufort County Public Works Stormwater Infrastructure

Project Summary

Project Summary: Alljoy Area

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Sep-15

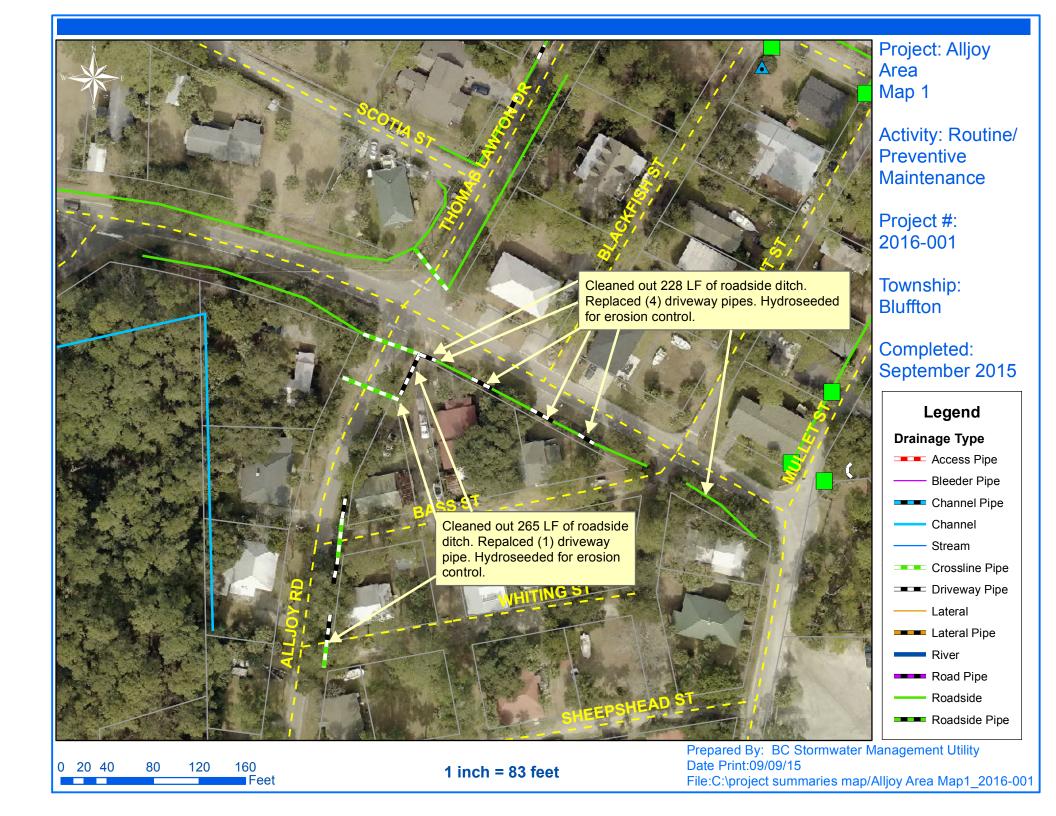
Project improved 493 L.F. of drainag system. Cleaned out 493 L.F. of roadside ditch. Replaced (5) driveway pipes. Jetted (1) crossline pipe and (1) driveway pipe. Hydroseeded for erosion control.

2016-001 / Alljoy Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
CLPJT / Crossline Pipe - Jetted	10.0	\$228.83	\$43.40	\$23.96	\$0.00	\$148.50	\$444.69
DPRPL / Driveway Pipe - Replaced	40.0	\$891.00	\$135.18	\$431.42	\$0.00	\$571.80	\$2,029.40
ERCON / Erosion control	33.0	\$735.08	\$68.66	\$34.65	\$0.00	\$471.74	\$1,310.12
HAUL / Hauling	91.0	\$2,063.68	\$711.11	\$4,440.31	\$0.00	\$1,309.84	\$8,524.94
HYDR / Hydroseeding	21.0	\$476.28	\$62.10	\$184.38	\$0.00	\$307.65	\$1,030.41
ONJV / Onsite Job Visit	42.0	\$1,466.35	\$149.16	\$71.40	\$0.00	\$1,016.04	\$2,702.95
PL / Project Layout	40.0	\$1,004.04	\$49.96	\$30.16	\$0.00	\$667.11	\$1,751.27
PP / Project Preparation	22.0	\$501.01	\$24.78	\$10.55	\$0.00	\$317.26	\$853.60
PRRECON / Project Reconnaissance	20.0	\$445.50	\$17.70	\$15.30	\$0.00	\$285.90	\$764.40
RRI / Rip Rap - Installed	40.0	\$891.00	\$85.29	\$132.61	\$0.00	\$571.80	\$1,680.70
RSDCL / Roadside Ditch - Cleanout	190.0	\$4,159.81	\$451.87	\$1,049.92	\$0.00	\$2,653.50	\$8,315.10
2016-001 / Alliov Road	549.5	\$12,874.32	\$1,799.21	\$6,424.65	\$0.00	\$8,327.75	\$29,425.93
Sub Total							
Grand Total	549.5	\$12,874.32	\$1,799.21	\$6,424.65	\$0.00	\$8,327.75	\$29,425.93













Beaufort County Public Works

Stormwater Infrastructure

Project Summary

Project Summary: Mint Farm Subdivision

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Sep-15

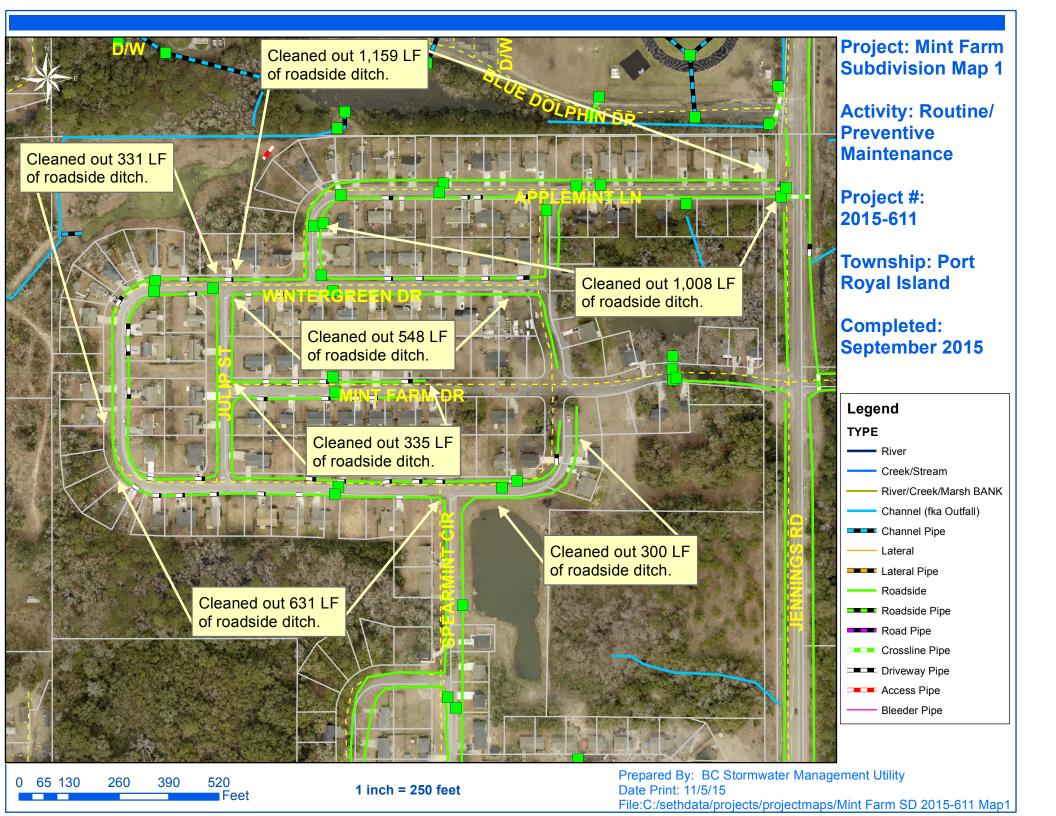
Project improved 6,860 L.F. of drainage system. Cleaned out 6,860 L.F. of roadside ditch. Jetted (42) driveway pipes. Hydroseeded for erosion control.

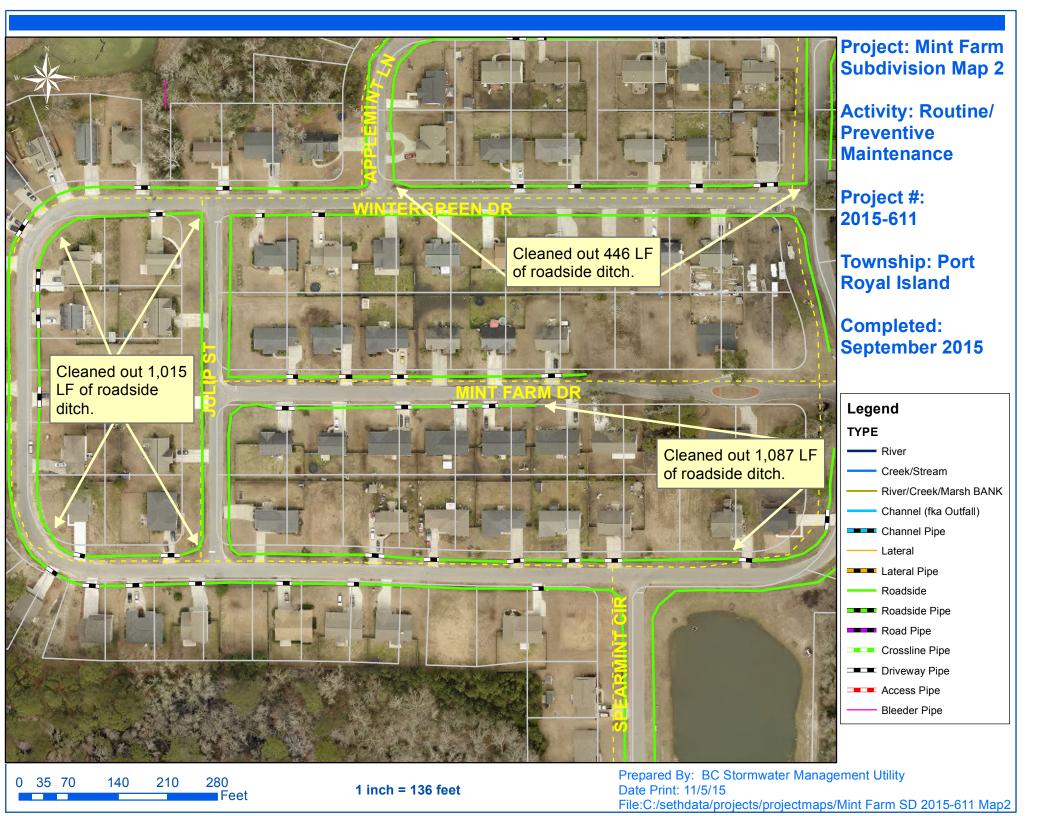
2015-611 / Mint Farm Subdivision	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.5	\$35.24	\$0.00	\$0.00	\$0.00	\$19.85	\$55.08
DPJT / Driveway Pipe - Jetted	40.0	\$900.32	\$173.60	\$153.68	\$0.00	\$598.20	\$1,825.80
HAUL / Hauling	180.5	\$3,932.59	\$1,328.52	\$492.79	\$0.00	\$2,609.01	\$8,362.90
HYDR / Hydroseeding	10.0	\$217.92	\$57.01	\$164.86	\$0.00	\$140.82	\$580.61
ONJV / Onsite Job Visit	97.0	\$3,333.68	\$344.98	\$163.20	\$0.00	\$2,378.15	\$6,220.01
PI / Project Inspection	1.0	\$44.27	\$3.62	\$1.70	\$0.00	\$33.96	\$83.55
PP / Project Preparation	40.0	\$871.30	\$65.81	\$41.42	\$0.00	\$571.80	\$1,550.33
PRRECON / Project Reconnaissance	36.3	\$766.56	\$68.66	\$11.39	\$0.00	\$502.39	\$1,349.00
RSDCL / Roadside Ditch - Cleanout	556.0	\$12,043.74	\$1,749.46	\$478.87	\$0.00	\$7,925.04	\$22,197.11
2015-611 / Mint Farm Subdivision Sub Total	962.3	\$22,145.62	\$3,791.66	\$1,507.90	\$0.00	\$14,779.21	\$42,224.39
Grand Total	962.3	\$22,145.62	\$3,791.66	\$1,507.90	\$0.00	\$14,779.21	\$42,224.39

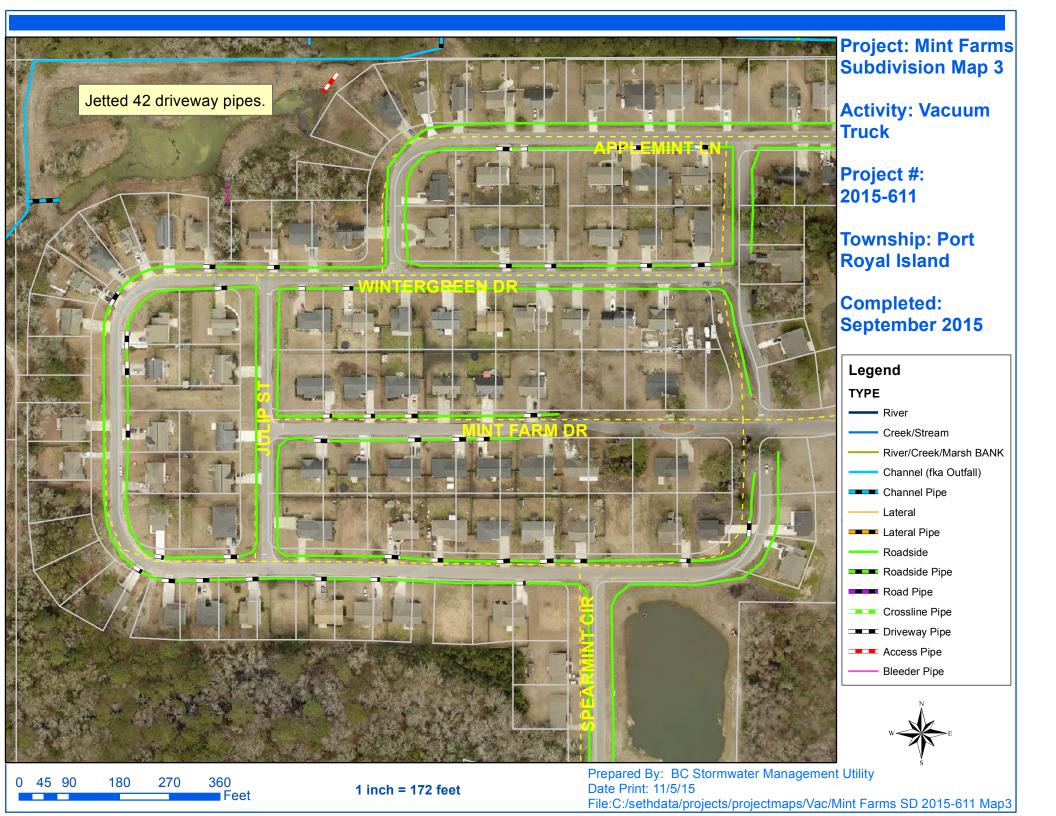














Beaufort County Public Works

Stormwater Infrastructure

Project Summary

Project Summary: Irongate Subdivision

Activity: Drainage Improvement

Narrative Description of Project:

Completion: Oct-15

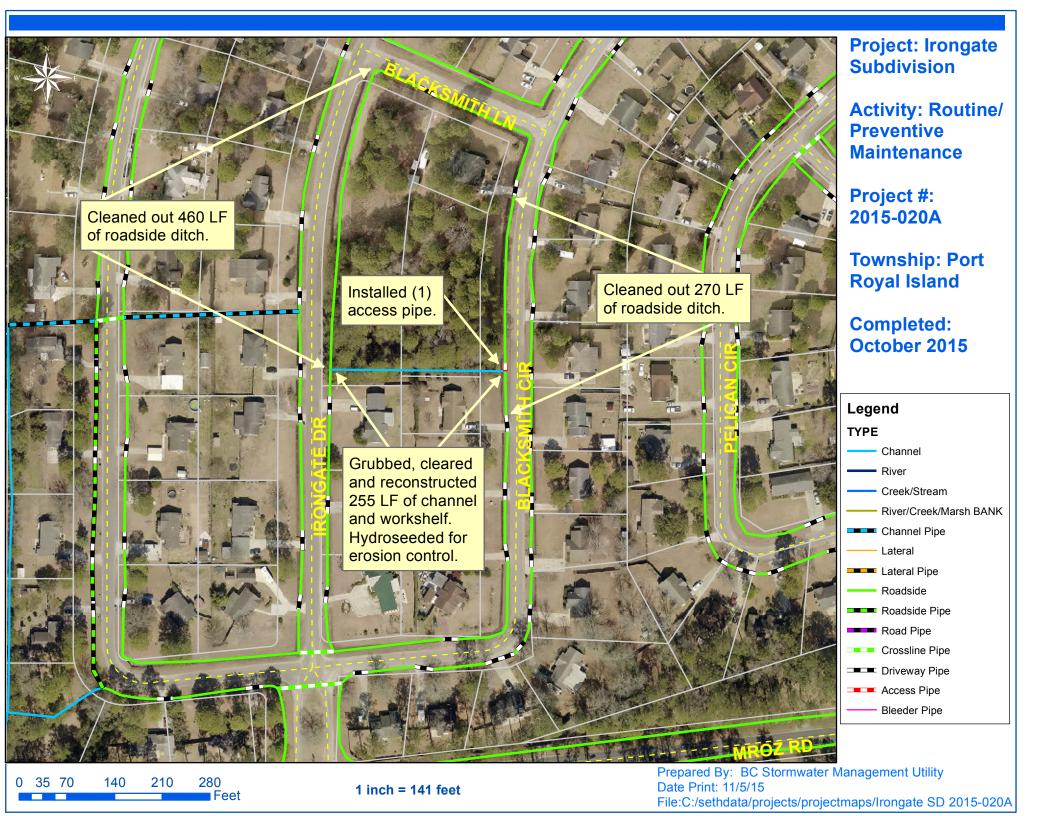
Project improved 985 L.F. of drainage system. Grubbed, cleared and reconstructed 255 L.F. of channel and workshelf. Cleaned out 730 L.F. of roadside ditch. Installed (1) access pipe, rip rap and hydroseeded for erosion control.

2015-020A / Irongate Subdivision	Labor	Labor	Equipment	Material	Contractor	Indirect	
	Hours	Cost	Cost	Cost	Cost	Labor	Total Cost
APINS / Access pipe - installed	4.0	\$98.80	\$37.68	\$0.00	\$0.00	\$65.88	\$202.36
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
BKFILL / Back Fill	40.0	\$935.40	\$174.25	\$0.28	\$0.00	\$578.34	\$1,688.27
CCO / Channel - cleaned out	58.0	\$1,304.53	\$289.80	\$86.75	\$0.00	\$830.14	\$2,511.22
CGRB / Channel - grubbed	70.0	\$1,523.45	\$238.97	\$0.00	\$0.00	\$938.78	\$2,701.20
DEBREM / Debris Removal - Jobsite	37.0	\$836.48	\$220.81	\$0.00	\$0.00	\$530.31	\$1,587.59
DPINS / Driveway Pipe - Installed	10.0	\$224.75	\$7.08	\$234.39	\$0.00	\$140.04	\$606.26
HAUL / Hauling	168.5	\$3,787.68	\$1,537.29	\$2,394.61	\$0.00	\$2,437.39	\$10,156.97
LM / Loading Materials	4.0	\$89.08	\$111.56	\$0.00	\$0.00	\$57.68	\$258.32
ONJV / Onsite Job Visit	50.0	\$1,611.75	\$177.40	\$11.64	\$0.00	\$990.15	\$2,790.94
PROFS / Professional Services	0.0	\$0.00	\$0.00	\$0.00	\$1,100.00	\$0.00	\$1,100.00
RSDCL / Roadside Ditch - Cleanout	20.0	\$446.80	\$97.22	\$0.00	\$0.00	\$286.95	\$830.97
STAGING / Staging Materials	20.0	\$465.05	\$60.10	\$0.00	\$0.00	\$292.90	\$818.05
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
WSDR / Workshelf - Dressed	14.0	\$311.96	\$28.84	\$0.00	\$0.00	\$200.76	\$541.56
WSGRB / Workshelf - Grubbed	98.0	\$2,154.64	\$359.24	\$0.00	\$0.00	\$1,342.50	\$3,856.38
2015-020A / Irongate Subdivision	594.5	\$13,814.46	\$3,340.24	\$2,727.67	\$1,100.00	\$8,705.05	\$29,687.42
Sub Total							
Grand Total	594.5	\$13,814.46	\$3,340.24	\$2,727.67	\$1,100.00	\$8,705.05	\$29,687.42











Project Summary

Project Summary: St. Helena Island Bush Hog

Activity: Routine/Preventive Maintenance

Completion: Jul-15

Narrative Description of Project:

Third rotation from April 2015 to July 2015. Project improved 105,592 L.F. of drainage system.

Bush hogged 105,592 L.F. of channel. This project consisted of the following areas: Orange Grove Road (5,119 L.F.), Faith Memorial Church (1,481 L.F.), James D. Washington Road (412 L.F.), Jack Johnson Drive (1,385 L.F.), Capers Island Road (763 L.F.), Bridgewood Road (806 L.F.), Sycamore Hill Drive (1,510 L.F.), David Green Road (1,161 L.F.), Capers Island Circle (565 L.F.), Scott Hill Road (5,782 L.F.), Scott Hill Road Ballfield (1,897 L.F.), Candy Johnson Drive (645 L.F.), Peaches Hill Circle (7,551 L.F.), No Man Land Road (835 L.F.), Wiggfall Road (279 L.F.), Nathan Pope Road (4,818 L.F.), Toomer Road (4,269 L.F.), Bush Ivy Lane (1,137 L.F.), Tombee Road (1,967 L.F.), Hunter Grove Road (1,711 L.F.), Kelis Lane (2,355 L.F.), Ephraim Road (5,454 L.F.), Archer Field Lane (1,351 L.F.), White Sands Circle (5,179 L.F.), Shiney Road (861 L.F.), Luther Warren Drive (759 L.F.), Tropicana Road (495 L.F.), Seaside Road (3,021 L.F.), Simmons Road (2,373 L.F.), Folly Road (620 L.F.), John Fripp Circle (809 L.F.), Langford Road (2,117 L.F.), Cee Cee Road (2,600 L.F.), Dulamo Road (270 L.F.), Shed Road (1,890 L.F.), Hickory Hill Road (1,667 L.F.), Penn Center (3,370 L.F.), Bible Camp Road (2,142 L.F.), Ball Park Road (1,973 L.F.), Halifax Drive (4,654 L.F.), Queens Road (1,444 L.F.), Ernest Drive (918 L.F.), Eddings Point Road (303 L.F.), Polowana Road (1,390 L.F.), Sanders Packing Shed (320 L.F.), St Helena Island Drop Off Center (1,358 L.F.), James Grant Road (1,404 L.F.), Mattis Drive (1,041 L.F.), Major Road (2,120 L.F.), Warsaw Island Road (5,165 L.F.), Gardner Circle (198 L.F.), Patchwork Lane (760 L.F.), and JB Lane (1,118 L.F.)

2015-300B / St. Helena Island Bush Hog	Labor	Labor	Equipment	Material	Contractor	Indirect	
	Hours	Cost	Cost	Cost	Cost	Labor	Total Cost
AUDIT / Audit Project	2.0	\$46.98	\$0.00	\$0.00	\$0.00	\$26.46	\$73.44
CBH / Channel- bushhogged HAUL / Hauling	1,165.3 9.0	\$25,183.71 \$194.67	\$12,242.38 \$71.91	\$2,921.81 \$31.81	\$0.00 \$0.00	\$16,704.28 \$129.78	\$57,052.19 \$428.17
ONJV / Onsite Job Visit 2015-300B / St. Helena Island Bush Hog Sub Total	83.0 1,259.3	\$2,812.60 \$28,237.96	\$294.46 \$12,608.75	\$285.12 \$3,238.74	\$0.00 \$0.00	\$2,050.77 \$18,911.29	\$5,442.95 \$62,996.75
Grand Total	1,259.3	\$28,237.96	\$12,608.75	\$3,238.74	\$0.00	\$18,911.29	\$62,996.75









Stormwater Infrastructure

Project Summary

Project Summary: Godwin Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Jul-15

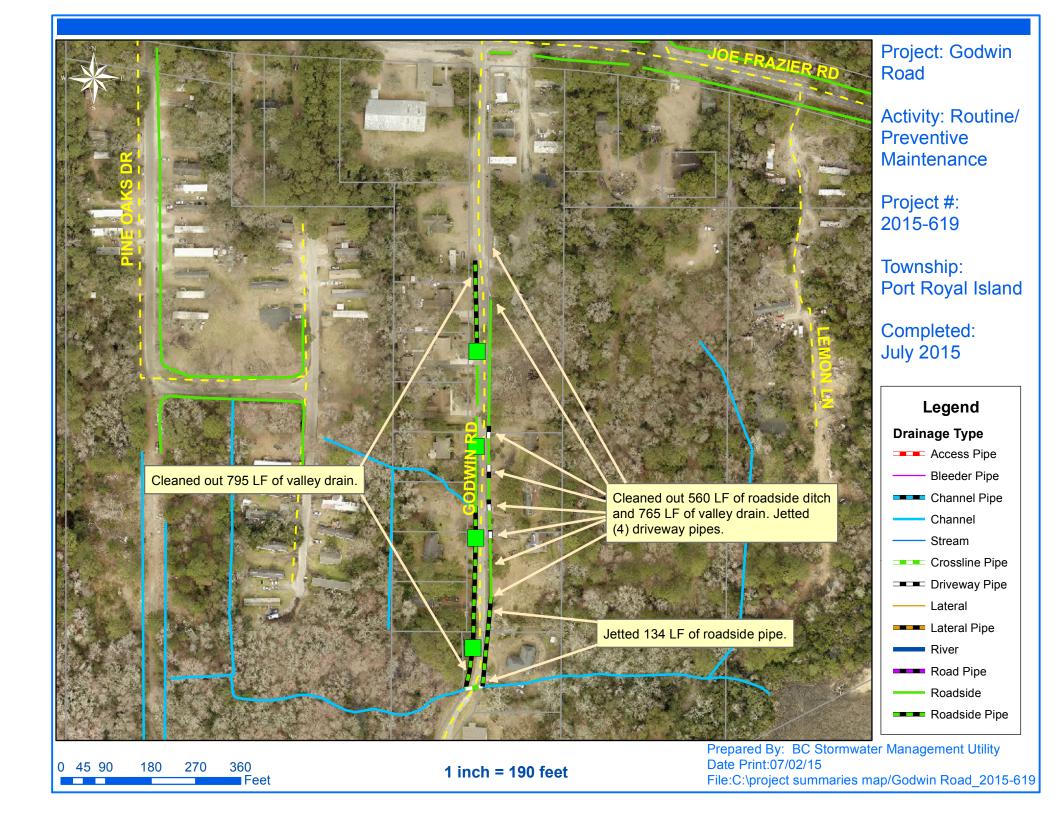
Project improved 1,694 L.F. of drainage system. Cleaned out 560 L.F. of roadside ditch and 1,560 L.F. of valley drain. Jetted (4) driveway pipes and 134 L.F. of roadside pipe.

2015-619 / Godwin Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
COVD / Cleaned Out Valley Drains	14.0	\$312.90	\$67.18	\$10.60	\$0.00	\$209.37	\$600.05
DPJT / Driveway Pipe - Jetted	8.0	\$183.06	\$34.72	\$29.84	\$0.00	\$118.80	\$366.42
DPREM / Driveway Pipe - Removed	6.0	\$134.10	\$10.62	\$6.36	\$0.00	\$89.73	\$240.81
HAUL / Hauling	22.0	\$515.90	\$175.78	\$197.18	\$0.00	\$317.24	\$1,206.10
ONJV / Onsite Job Visit	10.0	\$338.28	\$35.56	\$21.60	\$0.00	\$232.48	\$627.92
PRRECON / Project Reconnaissance	2.0	\$74.11	\$7.16	\$6.48	\$0.00	\$52.19	\$139.94
RPWO / Repaired Washout	12.0	\$264.48	\$21.24	\$10.60	\$0.00	\$169.11	\$465.43
RSDCL / Roadside Ditch - Cleanout STBY / Stand By	55.0 20.0	\$1,235.45 \$432.65	\$205.15 \$17.70	\$51.94 \$8.64	\$0.00 \$0.00	\$789.60 \$285.90	\$2,282.14 \$744.89
2015-619 / Godwin Road Sub Total	149.5	\$3,502.68	\$575.11	\$343.24	\$0.00	\$2,271.03	\$6,692.07
Grand Total	149.5	\$3,502.68	\$575.11	\$343.24	\$0.00	\$2,271.03	\$6,692.07











Stormwater Infrastructure

Project Summary

Project Summary: Highway 170 Project

Activity: Routine/Preventive Maintenance

Completion: Aug-15

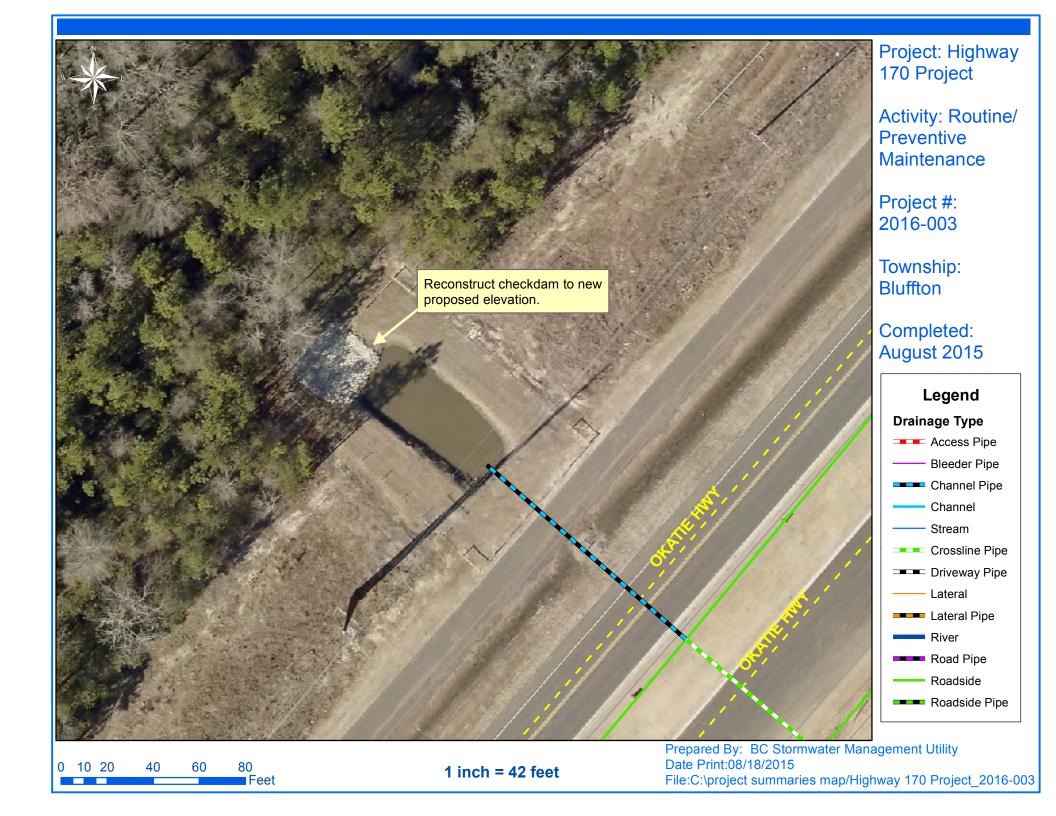
Narrative Description of Project:

Reconstruct check dam to new proposed elevation.

2016-003 / Highway 170 Project	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
HAUL / Hauling	4.0	\$89.12	\$31.96	\$22.32	\$0.00	\$57.68	\$201.08
ONJV / Onsite Job Visit	4.0	\$123.00	\$14.16	\$3.76	\$0.00	\$72.92	\$213.84
PDREC / Ponds - reconstructed	15.0	\$346.19	\$50.96	\$55.34	\$0.00	\$224.85	\$677.34
PL / Project Layout	6.0	\$273.60	\$21.72	\$16.92	\$0.00	\$203.76	\$516.00
PRRECON / Project Reconnaissance	8.0	\$218.91	\$14.16	\$1.88	\$0.00	\$126.68	\$361.63
2016-003 / Highway 170 Project	37.5	\$1,062.57	\$132.96	\$100.22	\$0.00	\$692.50	\$1,988.25
Sub Total							
Grand Total	37.5	\$1,062.57	\$132.96	\$100.22	\$0.00	\$692.50	\$1,988.25









Stormwater Infrastructure

Project Summary

Project Summary: Coakley Drive Channel #1

Activity: Routine/Preventive Maintenance

Completion: Aug-15

Narrative Description of Project:

Project improved 615 L.F. of drainage system. Cleaned out 615 L.F. of channel. Jetted (3) access pipes.

2016-525 / Coakley Drive Ch #1	Labor	Labor	Equipment	Material	Contractor	Indirect	
	Hours	Cost	Cost	Cost	Cost	Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
CCO / Channel - cleaned out	81.0	\$1,777.58	\$303.40	\$74.19	\$0.00	\$1,136.64	\$3,291.81
CLPJT / Crossline Pipe - Jetted	6.0	\$137.30	\$26.04	\$26.58	\$0.00	\$89.10	\$279.02
HAUL / Hauling	27.0	\$601.56	\$215.73	\$144.61	\$0.00	\$389.34	\$1,351.24
ONJV / Onsite Job Visit UTLOC / Utility locates	9.0 1.0	\$306.45 \$24.71	\$32.02 \$0.00	\$12.96 \$0.00	\$0.00 \$0.00	\$195.53 \$13.23	\$546.96 \$37.94
2016-525 / Coakley Drive Ch #1 Sub Total	124.5	\$2,859.33	\$577.19	\$258.33	\$0.00	\$1,830.45	\$5,525.31
Grand Total	124.5	\$2,859.33	\$577.19	\$258.33	\$0.00	\$1,830.45	\$5,525.31











Stormwater Infrastructure

Project Summary

Project Summary: BIV Water Quality Project

Activity: Drainage Improvement

Completion: Sep-15

Narrative Description of Project:

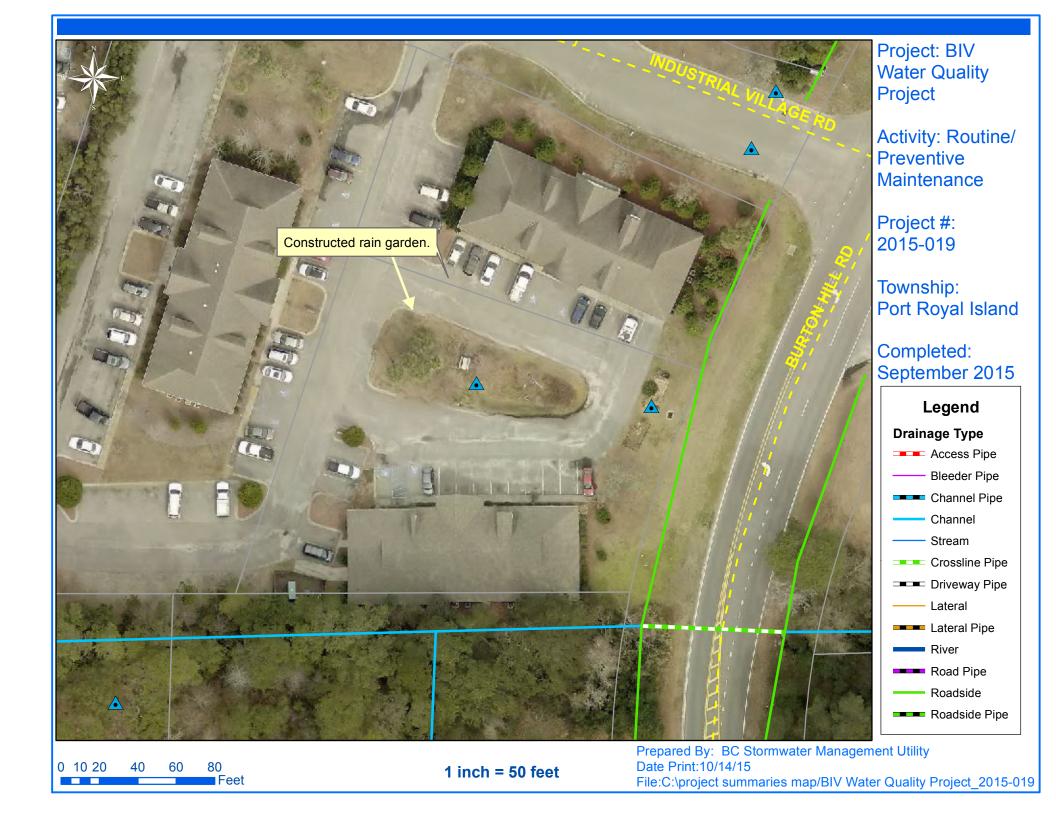
Constructed rain garden.

2015-019 / BIV Water Quality Project	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AD / Add Dirt	40.0	\$879.01	\$85.29	\$17.70	\$0.00	\$561.60	\$1,543.60
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
COVD / Cleaned Out Valley Drains	8.0	\$173.37	\$25.36	\$5.31	\$0.00	\$110.28	\$314.32
CPI / Channel Pipe - Installation	18.5	\$418.16	\$17.70	\$149.40	\$0.00	\$270.22	\$855.48
HAUL / Hauling	58.0	\$1,282.35	\$399.50	\$327.71	\$0.00	\$826.84	\$2,836.40
LP / Locate Pipe	1.0	\$44.27	\$3.62	\$1.70	\$0.00	\$33.96	\$83.55
ONJV / Onsite Job Visit	21.0	\$717.78	\$74.34	\$49.30	\$0.00	\$513.87	\$1,355.29
PL / Project Layout	9.0	\$410.40	\$32.58	\$8.50	\$0.00	\$305.64	\$757.12
PP / Project Preparation	50.0	\$1,128.99	\$119.62	\$23.39	\$0.00	\$730.50	\$2,002.49
PROFS / Professional Services	0.0	\$0.00	\$0.00	\$0.00	\$740.62	\$0.00	\$740.62
PRRECON / Project Reconnaissance	4.0	\$136.72	\$14.16	\$5.10	\$0.00	\$97.88	\$253.86
SC / Sediment Control	36.0	\$816.48	\$42.48	\$18.70	\$0.00	\$527.40	\$1,405.06
SCR / Sediment Control - Removed	15.0	\$326.88	\$10.62	\$3.40	\$0.00	\$208.17	\$549.07
SR / Sinkhole repair	8.0	\$178.20	\$7.24	\$64.54	\$0.00	\$114.36	\$364.34
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
2015-019 / BIV Water Quality Project	269.5	\$6,536.71	\$832.51	\$674.75	\$740.62	\$4,313.95	\$13,098.54
Sub Total							
Grand Total	269.5	\$6,536.71	\$832.51	\$674.75	\$740.62	\$4,313.95	\$13,098.54











Stormwater Infrastructure

Project Summary

Project Summary: JB Lane Channel #1

Activity: Routine/Preventive Maintenance

Completion: Sep-15

Narrative Description of Project:

Removed blockage from flowline.

2016-542 / JB Lane Ch #1	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project HAUL / Hauling RB / Remove blockage from flowline SVCREQ / Service Request 2016-542 / JB Lane Ch #1 Sub Total	0.5 1.0 2.0 1.0 4.5	\$11.75 \$22.27 \$48.18 \$45.60 \$127.80	\$0.00 \$7.99 \$33.95 \$3.62 \$45.56	\$0.00 \$7.08 \$5.17 \$1.70 \$13.95	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6.62 \$14.42 \$31.74 \$33.96 \$86.74	\$18.36 \$51.76 \$119.04 \$84.88 \$274.04
Grand Total	4.5	\$127.80	\$45.56	\$13.95	\$0.00	\$86.74	\$274.04





After







Stormwater Infrastructure

Project Summary

Project Summary: Port Royal Island Bush Hog

Activity: Routine/Preventive Maintenance

Completion: Oct-15

Narrative Description of Project:

First rotation from June 2015 to October 2015. Project improved 109,820 L.F. of drainage system. Bush hogged 109,820 L.F. of channel. This project consisted of the following areas: Ermine Drive (1,080 L.F.), Gillison Loop (406 L.F.), Young Circle (335 L.F.), Chisholm Hill Road (6,567 L.F.), Greenleaf Lane (378 L.F.), Mulrain Road (537 L.F.), Gamecock Way (968 L.F.), Paukie Island Road (931 L.F.), Smalls Hill Road (1,408 L.F.), Ihly Farm Road (1,820 L.F.), Poppy Hill Road (5,497 L.F.), Peace Haven Drive (968 L.F.), Pinewood Circle (1,379 L.F.), Capehart Circle (959 L.F.), Mroz Road (2,090 L.F.), Shein Loop (1,737 L.F.), Oakview Road (1,340 L.F.), Cleveland Drive (1,839 L.F.), L.H. Nelson Drive (943 L.H.), Hale Drive (2,409 L.F.), St Pauls Church Road (2,068 L.F.), Forest Field Road (3,731 L.F.), Josephine Drive (242 L.F.), Parker Drive (7,338 L.F.), Clydesdale Circle (398 L.F.), Providence Road (1,439 L.F.), Munch Drive (888 L.F.), Walker Circle (972 L.F.), Burton Wells Road (8,836 L.F.), Donaldson Camp Road (1,195 L.F.), Broad River Boulevard (751 L.F.), Leo Green Road (1,303 L.F.), Hobcaw Drive (453 L.F.), Island Tank Drive (455 L.F.), Possum Hill Road (3,726 L.F.), Bay Pines Road (2,850 L.F.), Shanklin Road (8,175 L.F.), Zehm Lane (3,004 L.F.), Lawson Road (592 L.F.), Powell Drive (5,269 L.F.), County Shed Road (1,517 L.F.), Arnold Lane (441 L.F.), Pine Grove Road (4,982 L.F.), Franklin Drive (2,134 L>F.), Mamie Frazer Lane (614 L.F.), County Shed Road (991 L.F.), Eastern Road (663 L.F.), Roseida Road (3,470 L.F.), Public Works Complex (1,540 L.F.), Deloach Avenue (1,797 L.F.), Stanley Farm Road (1,555 L.F.), Harding Street (565 L.F.), Irongate Drive (1,100 L.F.), Pelican Circle (590 L.F.), Crackle Lane (515 L.F.), and Wegeon Lane (70 L.F.)

2016-301 / Port Royal Island Bush Hog	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.0	\$46.98	\$0.00	\$0.00	\$0.00	\$26.46	\$73.44
CBH / Channel- bushhogged	1,295.0	\$27,681.58	\$19,377.36	\$2,480.50	\$0.00	\$17,642.97	\$67,182.42
HAUL / Hauling	12.0	\$259.76	\$244.71	\$49.99	\$0.00	\$168.30	\$722.76
ONJV / Onsite Job Visit PI / Project Inspection	24.0 1.0	\$816.32 \$45.60	\$84.96 \$3.62	\$78.20 \$1.70	\$0.00 \$0.00	\$587.28 \$33.96	\$1,566.76 \$84.88
2016-301 / Port Royal Island Bush Hog Sub Total	1,334.0	\$28,850.24	\$19,710.65	\$2,610.39	\$0.00	\$18,458.97	\$69,630.26
Grand Total	1,334.0	\$28,850.24	\$19,710.65	\$2,610.39	\$0.00	\$18,458.97	\$69,630.26





During



After





Project Summary

Project Summary: Rice Road

Activity: Routine/Preventive Maintenance

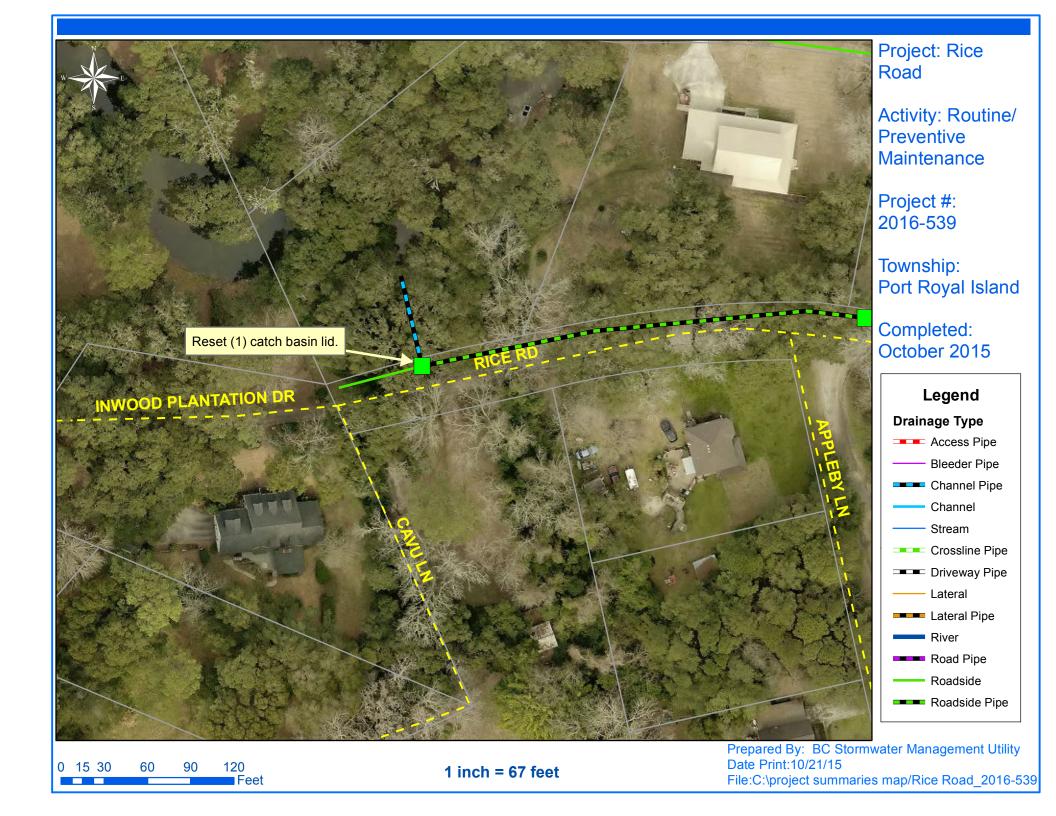
Completion: Oct-15

Narrative Description of Project:

Reset (1) catch basin lid.

2016-539 / Rice Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
CBLRE / Catch Basin Lid - Reset	8.0	\$201.50	\$32.44	\$5.24	\$0.00	\$123.16	\$362.34
ONJV / Onsite Job Visit	1.0	\$30.75	\$3.54	\$3.40	\$0.00	\$18.23	\$55.92
2016-539 / Rice Road Sub Total	9.5	\$244.00	\$35.98	\$8.64	\$0.00	\$148.01	\$436.62
Grand Total	9.5	\$244.00	\$35.98	\$8.64	\$0.00	\$148.01	\$436.62

(Pictures Not Available)





Project Summary

Project Summary: Charleston Drive

Activity: Routine/Preventive Maintenance

Completion: Oct-15

Narrative Description of Project:

Repaired washouts.

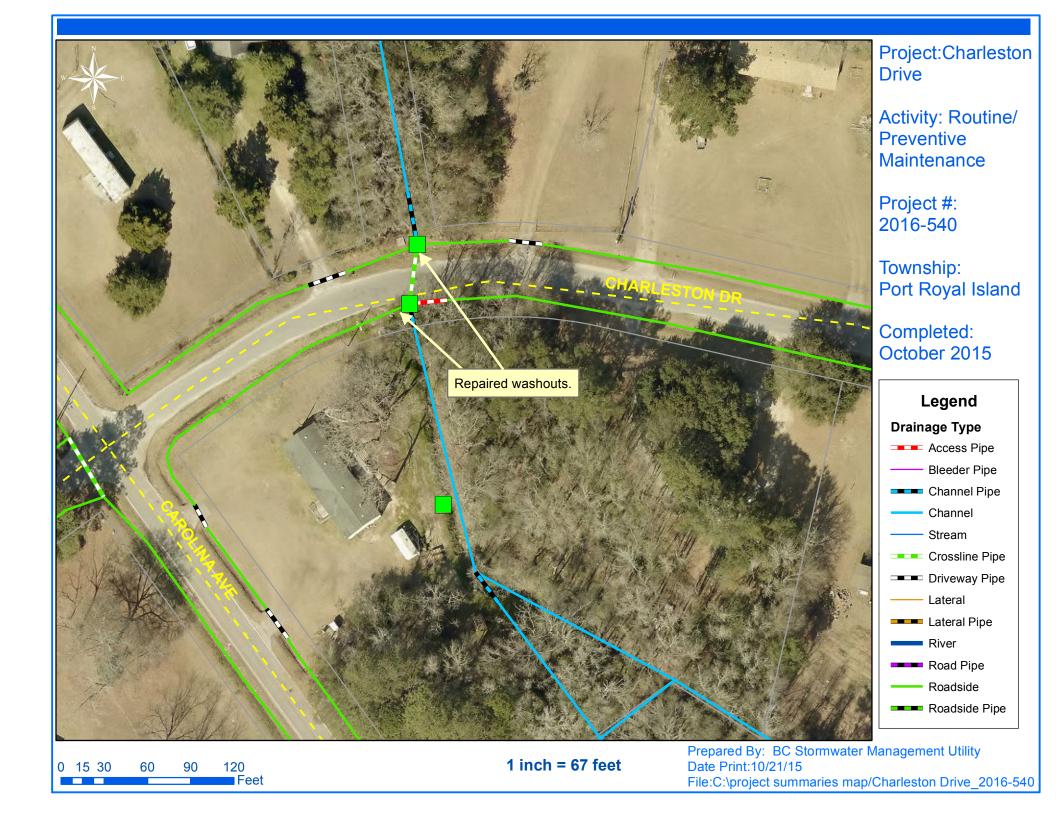
2016-540 / Charleston Drive	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
HAUL / Hauling	1.0	\$22.27	\$7.99	\$12.39	\$0.00	\$14.42	\$57.07
ONJV / Onsite Job Visit	1.0	\$30.75	\$3.54	\$1.70	\$0.00	\$18.23	\$54.22
PCAM / Pole Camera System	10.0	\$228.80	\$59.08	\$14.51	\$0.00	\$148.50	\$450.89
PRRECON / Project Reconnaissance	2.0	\$54.24	\$3.54	\$5.10	\$0.00	\$31.46	\$94.34
RPWO / Repaired Washout	17.0	\$396.90	\$24.78	\$12.18	\$0.00	\$252.16	\$686.02
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
2016-540 / Charleston Drive Sub Total	32.0	\$757.06	\$98.93	\$45.88	\$0.00	\$478.00	\$1,379.87
Grand Total	32.0	\$757.06	\$98.93	\$45.88	\$0.00	\$478.00	\$1,379.87





After







Stormwater Infrastructure

Project Summary

Project Summary: Ogden Court

Activity: Routine/Preventive Maintenance

Completion: Oct-15

Narrative Description of Project:

Repaired washout.

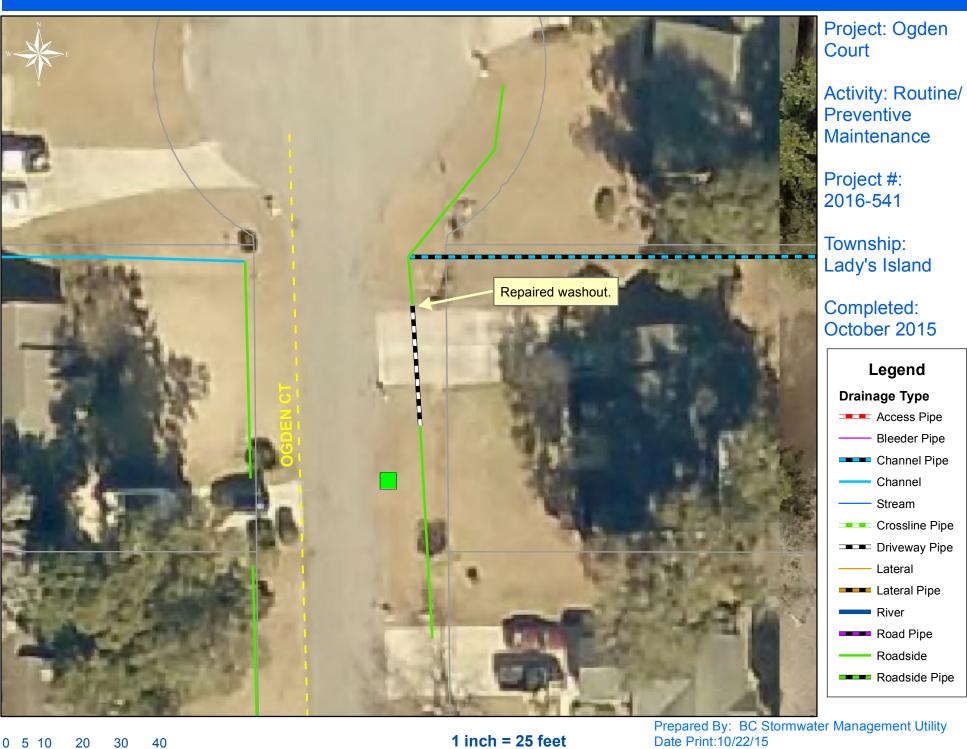
2016-541 / Ogden Court	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
ONJV / Onsite Job Visit	2.0	\$61.50	\$7.08	\$6.80	\$0.00	\$36.46	\$111.84
PRRECON / Project Reconnaissance	3.0	\$68.04	\$3.54	\$5.10	\$0.00	\$43.95	\$120.63
SR / Sinkhole repair	6.0	\$127.14	\$10.62	\$14.11	\$0.00	\$80.01	\$231.88
2016-541 / Ogden Court	11.5	\$268.43	\$21.24	\$26.01	\$0.00	\$167.04	\$482.71
Sub Total							
Grand Total	11.5	\$268.43	\$21.24	\$26.01	\$0.00	\$167.04	\$482.71





After





1 inch = 25 feet

Feet

Date Print:10/22/15

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Project Summary

Project Summary: Hummingbird Drive

Activity: Routine/Preventive Maintenance

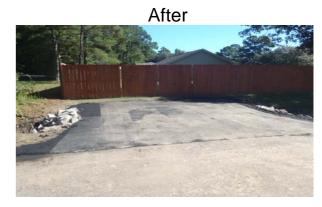
Narrative Description of Project: Completion: Oct-15

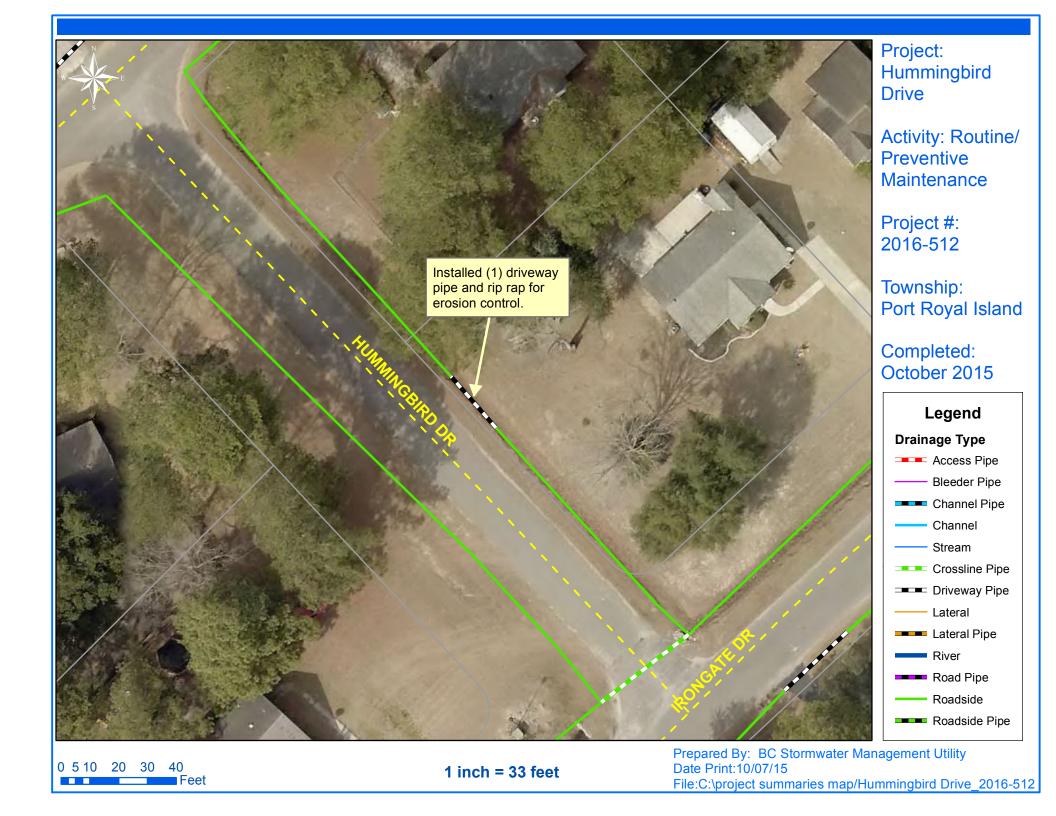
Installed (1) driveway pipe and rip rap for erosion control.

2016-512 / Hummingbird Drive	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
DPINS / Driveway Pipe - Installed	28.0	\$635.98	\$51.26	\$255.86	\$0.00	\$399.51	\$1,342.61
DWASPH / Driveway - Asphalt	36.0	\$820.54	\$85.42	\$28.18	\$0.00	\$513.56	\$1,447.70
HAUL / Hauling	19.0	\$423.13	\$151.81	\$591.70	\$0.00	\$273.98	\$1,440.62
ONJV / Onsite Job Visit	2.0	\$61.50	\$7.08	\$1.70	\$0.00	\$36.46	\$106.74
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
2016-512 / Hummingbird Drive Sub Total	86.0	\$1,965.25	\$295.57	\$877.44	\$0.00	\$1,236.74	\$4,374.99
Grand Total	86.0	\$1,965.25	\$295.57	\$877.44	\$0.00	\$1,236.74	\$4,374.99











Stormwater Infrastructure

Project Summary

Project Summary: Oakhurst Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Oct-15

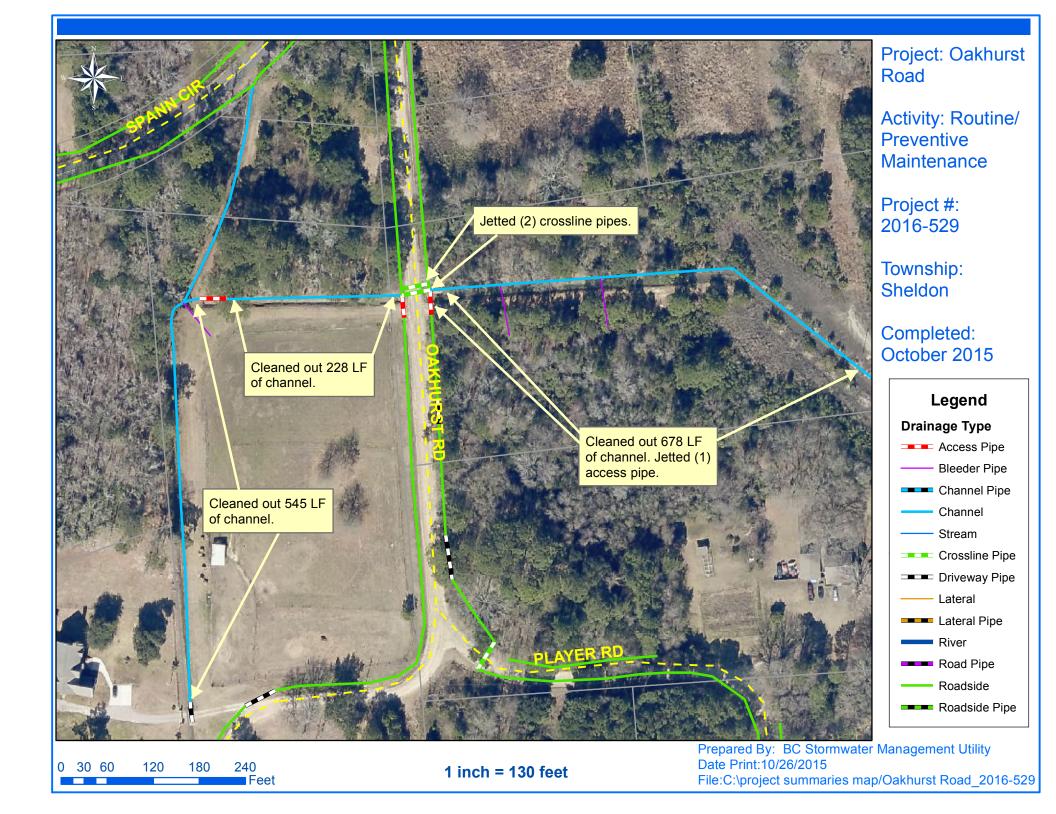
Project improved 1,451 L.F. of drainage system. Cleaned out 1,451 L.F. of channel. Jetted (2) crossline pipes and (1) access pipe.

2016-529 / Oakhurst Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.75	\$0.00	\$0.00	\$0.00	\$6.62	\$18.36
CCO / Channel - cleaned out	47.0	\$1,100.79	\$272.27	\$28.32	\$0.00	\$691.80	\$2,093.18
HAUL / Hauling	20.0	\$442.99	\$143.82	\$81.42	\$0.00	\$286.02	\$954.25
ONJV / Onsite Job Visit	4.0	\$123.00	\$14.16	\$1.70	\$0.00	\$72.92	\$211.78
2016-529 / Oakhurst Road Sub Total	71.5	\$1,678.53	\$430.25	\$111.44	\$0.00	\$1,057.35	\$3,277.57
Grand Total	71.5	\$1,678.53	\$430.25	\$111.44	\$0.00	\$1,057.35	\$3,277.57



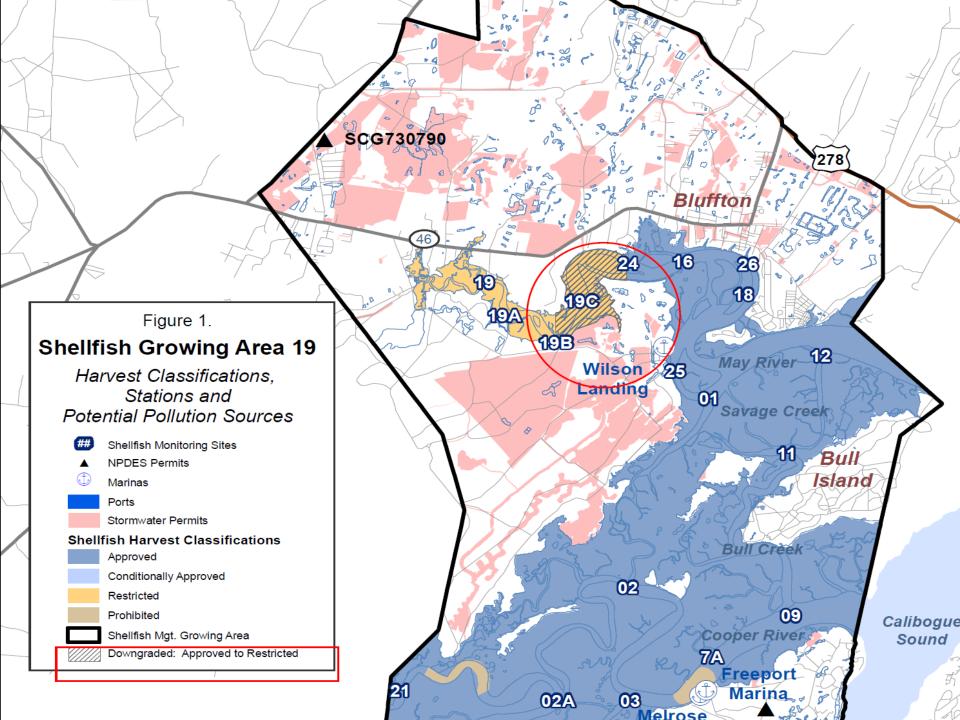


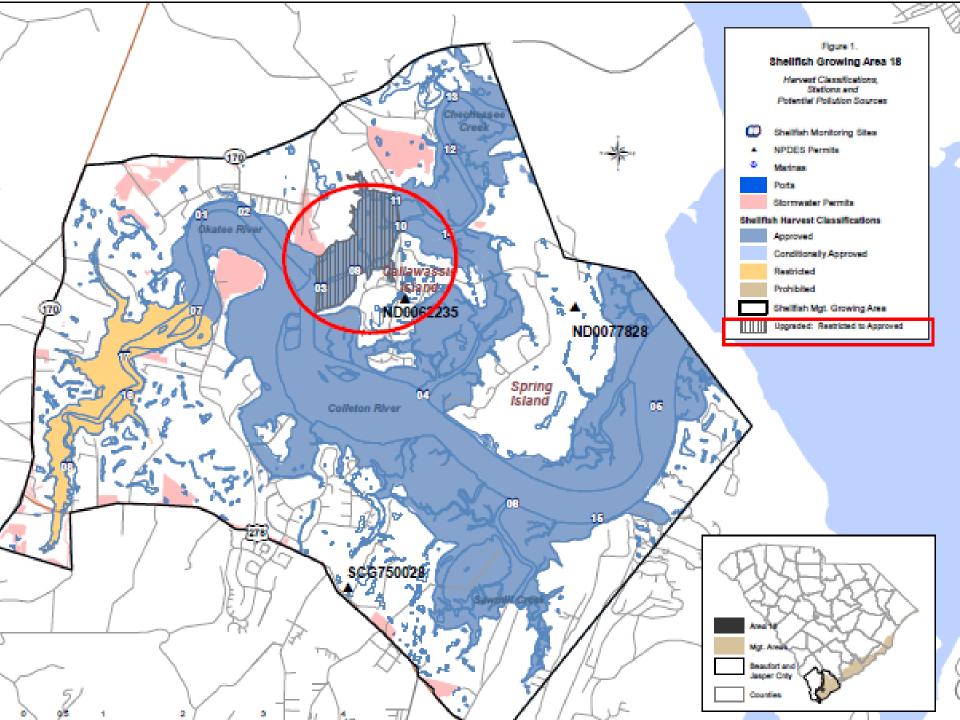


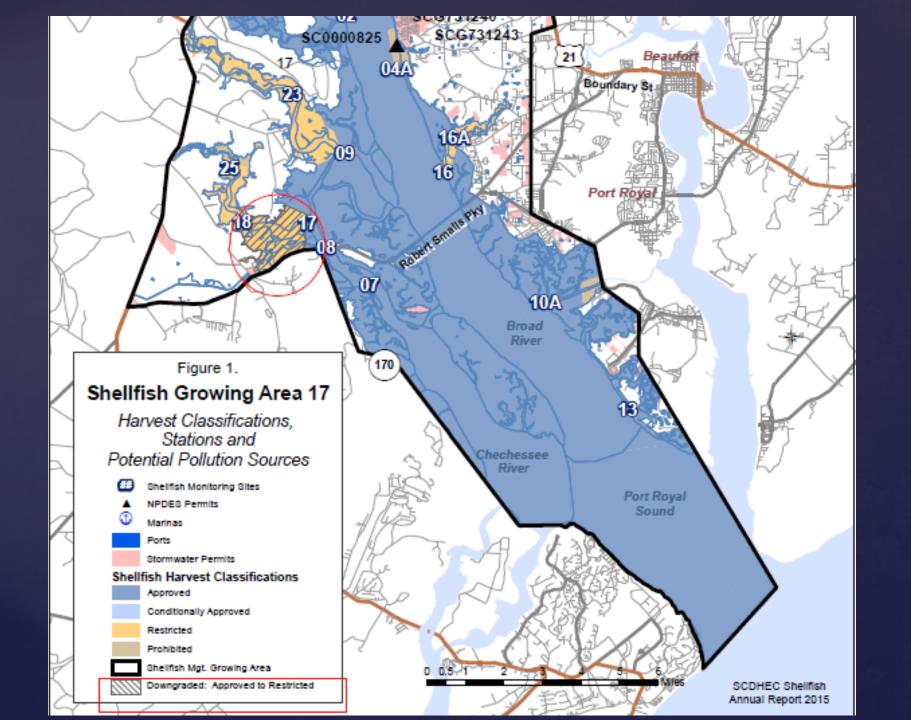


DHEC Shellfish Maps

Designation changes







DHEC.gov

Management Areas and Classification System

South Carolina currently has 25 management areas comprising approximately 578,000 surface acres of estuarine and coastal riverine habitat suitable for the cultivation and harvest of molluscan shellfish. These management areas are assigned water quality classifications for the primary purpose of public health protection. The Department uses combinations of the following harvesting classifications for shellfish area management:

Approved - Areas that are normally open for the direct marketing of shellfish for human consumption. Approved areas must not exceed an established water quality standard.

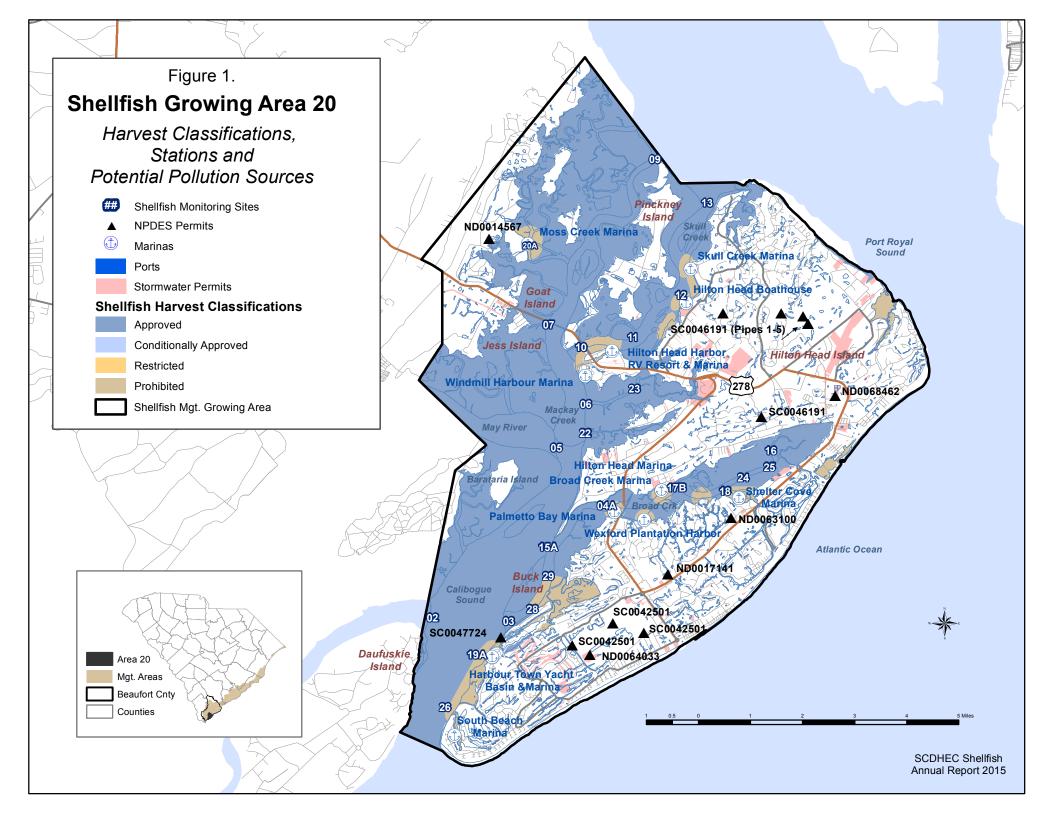
Conditionally Approved - Areas that meet criteria for an Approved classification except under predictable conditions. Closure criteria and subsequent re-opening procedures are described in an area-specific management plan. Conditions that normally result in these temporary closures are often rainfall-induced (<u>non-point source runoff</u> (<u>stormwater, runoff</u>) or excessive river levels/flows).

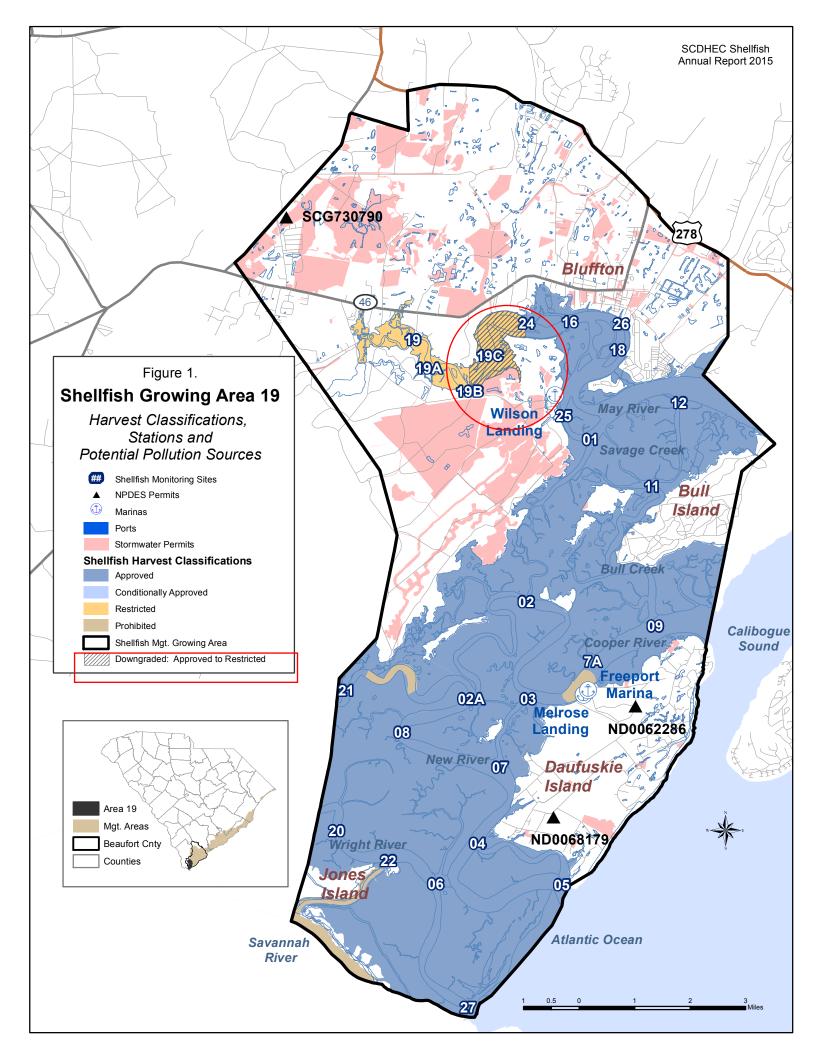
Restricted - Areas exceeding Approved area water quality standards and normally closed for direct harvesting activities but where harvesting may be allowed by special permit. Shellfish from Restricted areas are frequently relocated (Relayed) to Approved areas where they remain planted for a period of time adequate to allow natural cleansing.

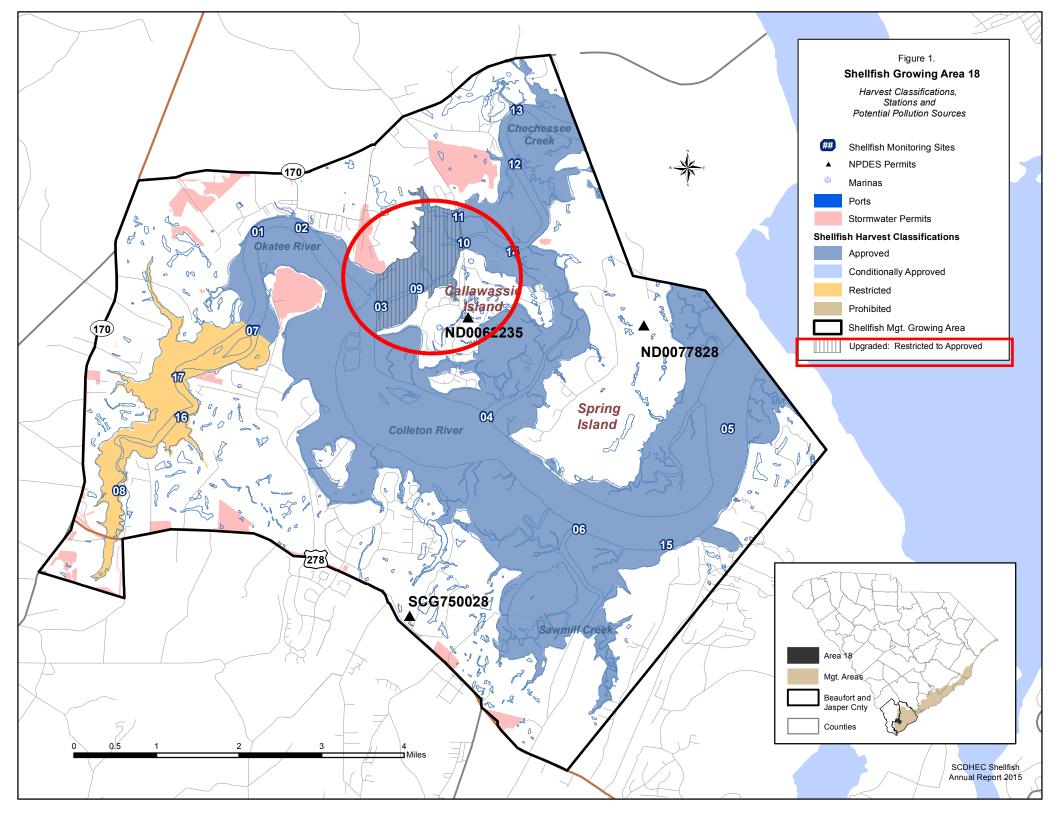
Prohibited – Areas that are administratively closed for the harvesting of shellfish for any purposes related to human consumption. These closures are established adjacent to permitted wastewater discharges, marina facilities, or areas containing multiple point sources of pollution. The Prohibited classification is not based upon violation of a bacteriological standard.

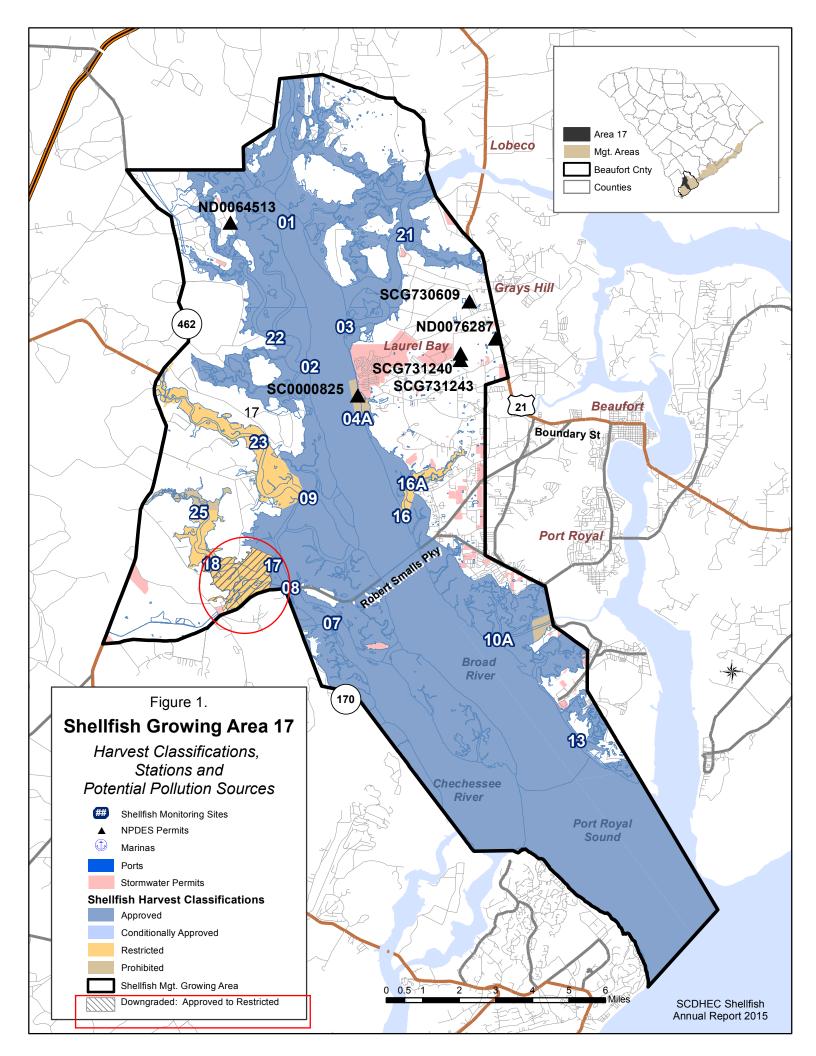
Shellfish Waters Designation Changes:

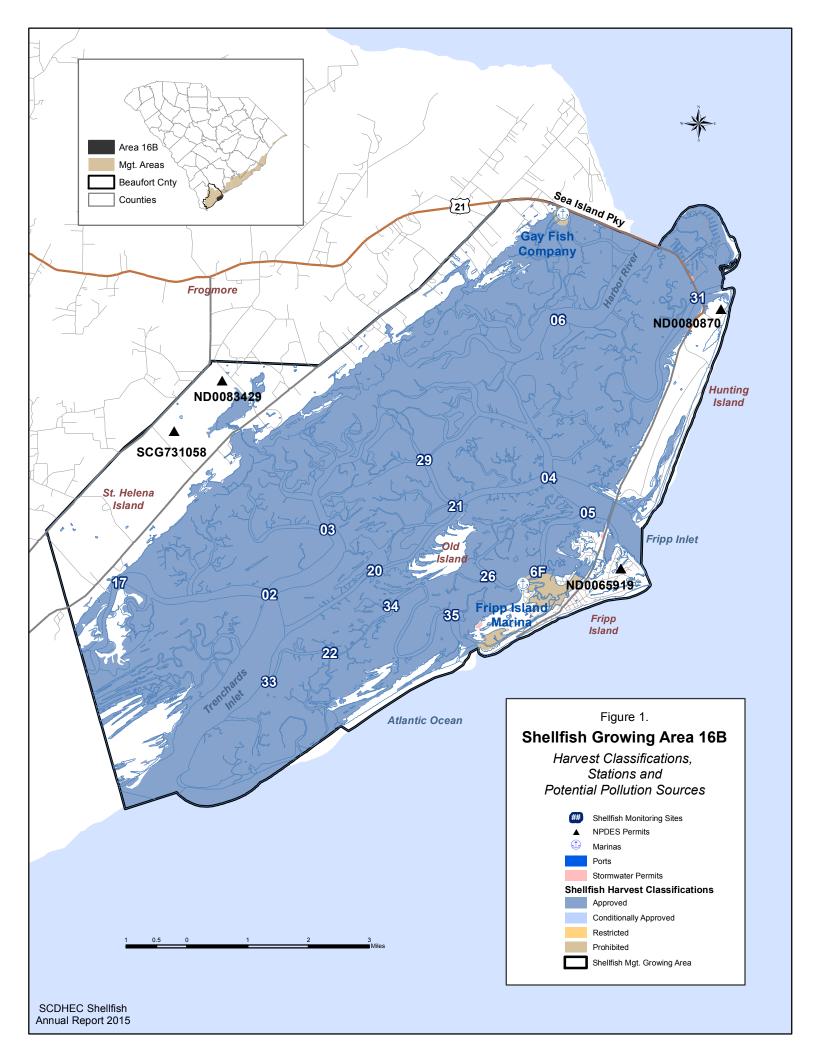
May River 24-19B	Downgraded Approved to Restricted
Chechessee/Hazard creek 17-18	Downgraded Approved to Restricted
Chechessee Creek 03-11	Upgraded Restricted to approved

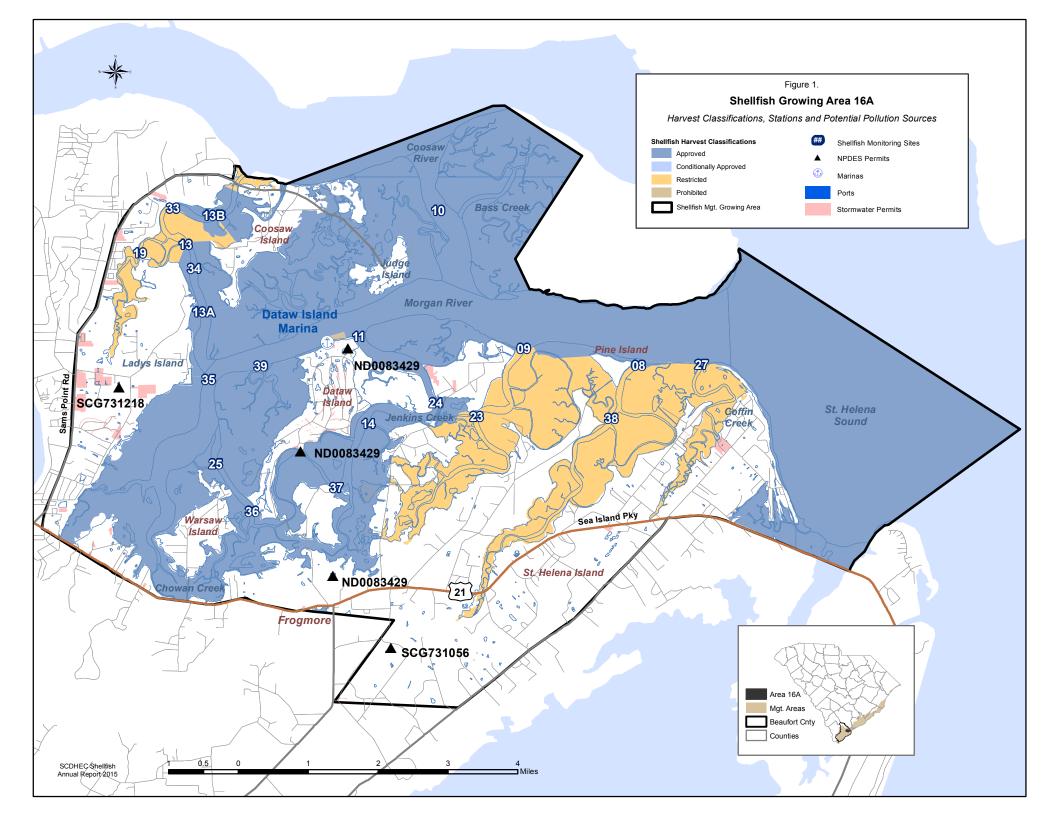


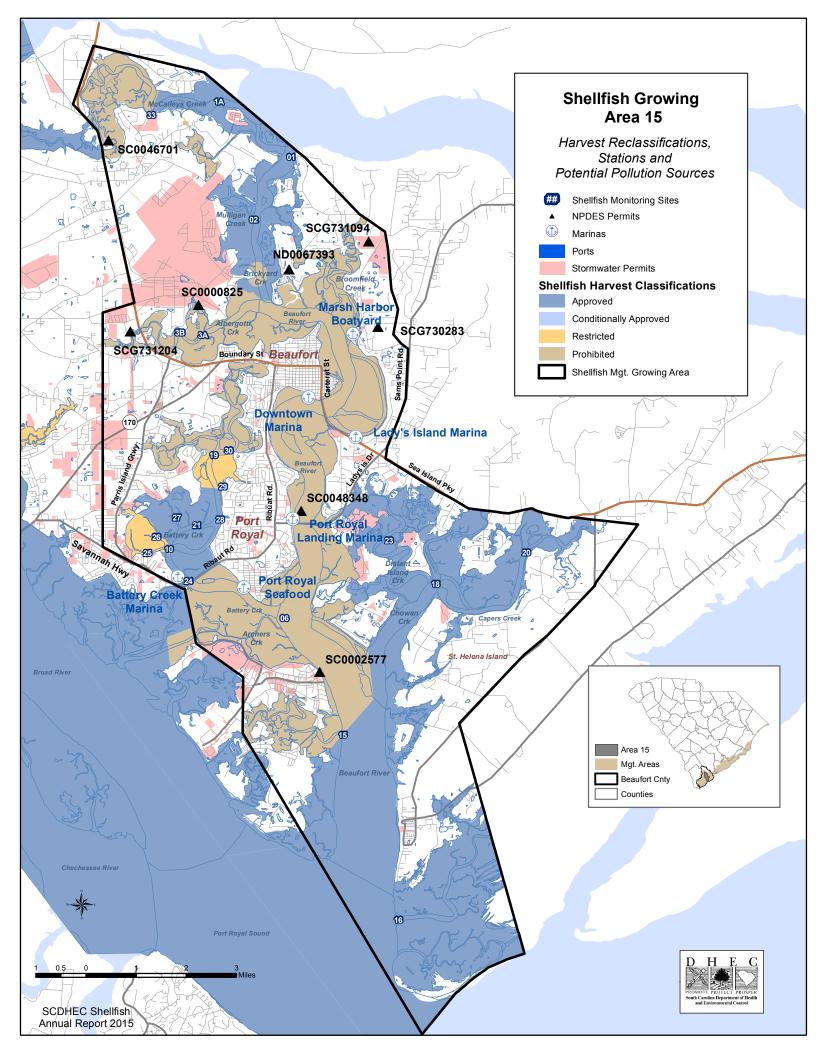


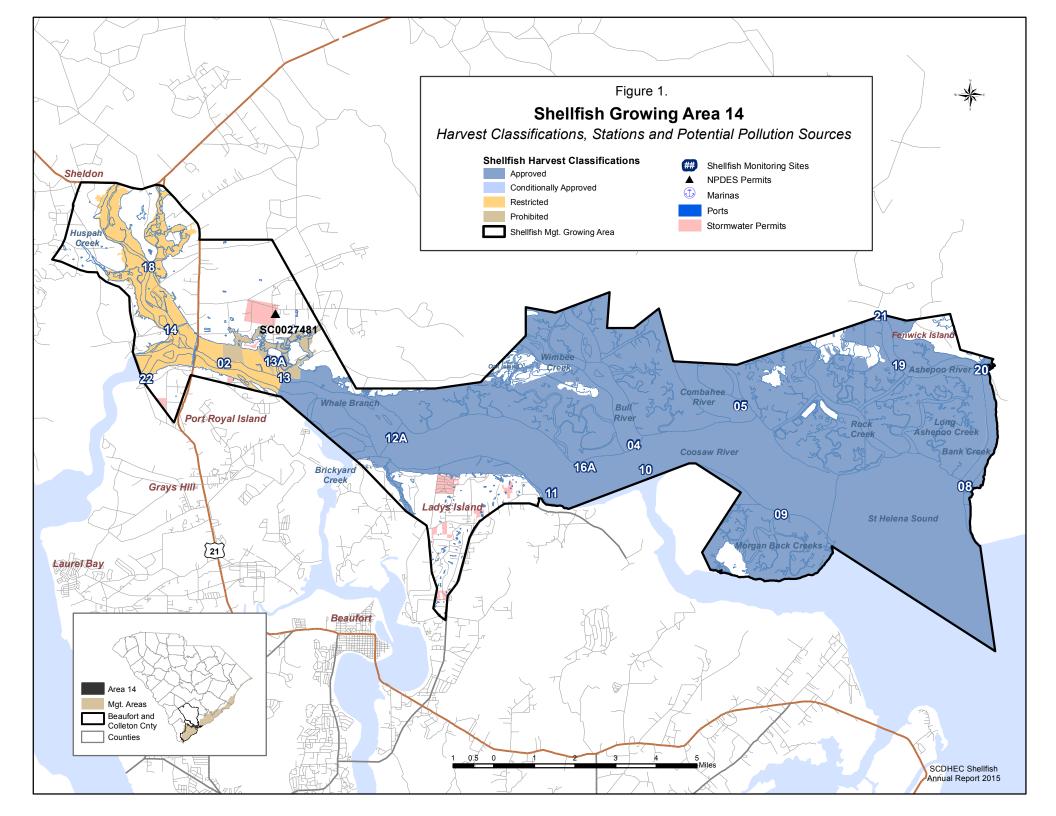












DHEC.gov

Shellfish Monitoring Program Overview

The primary goal of the Shellfish Sanitation Program is to ensure that shellfish (oysters, clams, and mussels) and the areas from which they are harvested meet the health and environmental quality standards provided by federal guidelines and state regulations.

The secondary goal of the program is to promote water quality restoration of state waters designated for the harvest of shellfish.

Monitoring Program

The shellfish-monitoring program provides the database that is used in conducting a comprehensive evaluation of each shellfish growing area. Evaluations of growing areas, which meet National Shellfish Sanitation Program requirements are conducted annually. Routine bacteriological monitoring and subsequent laboratory analyses of water quality from approximately 465 strategically located sample sites are conducted monthly.

Monitoring is based on a systematic random sampling methodology in which coastal shellfish growing area surface waters are sampled in accordance with a pre-established schedule, thereby assuring that a statistically representative cross-section of meteorological, hydrographic, and/or pollution events will be included in the data set. Monitoring sites are established at locations representative of variable water quality within non-Prohibited classified shellfish areas. Locations are sited with the intent of determining compliance with existing State shellfish regulation water quality standards. Individual monitoring sites are typically representative of a water reach extending in the directions of tidal flow to the closest adjacent monitoring sites. Resulting laboratory analyses detail physical and bacteriological data that are used to classify shellfish growing waters. Additional bacteriological sampling is conducted in association with conditional area and precautionary closures. All standards, monitoring methodology, and laboratory analyses comply with guidance set forth in the National Shellfish Sanitation Program Model Ordinance.





BEAUFORT COUNTY STORMWATER MANAGEMENT UTILITY BOARD AGENDA

Wednesday, December 16, 2015 2:00 p.m.

Beaufort Industrial Village, Building 3 Conference Room 104 Industrial Village Road, Beaufort 843.255.2805

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

- 1. CALL TO ORDER 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes November 18, 2015 (backup)
- 2. INTRODUCTIONS
- 3. PUBLIC COMMENT
- 4. REPORTS
 - A. Utility Update Eric Larson, P.E. (backup)
 - B. MS4 Update Eric Larson, P.E. (backup)
 - C. Monitoring Update Eric Larson, P.E. (backup)
 - D. Stormwater Implementation Committee Report Eric Larson, P.E. (backup)
 - E. Stormwater Related Projects Eric Larson, P.E. (backup)
 - F. Upcoming Professional Contracts Report Eric Larson, P.E. (backup)
 - G. Regional Coordination Eric Larson, P.E. (backup)
 - H. Financial Report (backup)
 - I. Maintenance Projects Report Eddie Bellamy (backup)
- 5. UNFINISHED BUSINESS (backup)
- 6. NEW BUSINESS (backup)
- 7. PUBLIC COMMENT
- 8. NEXT MEETING AGENDA A. January 27, 2016 (backup)
- 9. ADJOURNMENT



