



Town of Hilton Head Island

Beaufort County, South Carolina



FISCAL YEAR 2012 STORM WATER UPDATE

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THHI FY2012 Storm Water Utility Budget

<u>REVENUE</u>	<u>New FY12</u>	<u>Total</u>
Storm Water Fees	\$3,575,795	\$3,575,795
New Bond – FY12 Portion	\$2,064,064	\$2,064,064
Revenue TOTAL		\$5,639,859

<u>ESTIMATED EXPENSES</u>	<u>New FY12</u>	<u>Total</u>
Personnel	\$147,190	\$147,190
Ops, WQ Mon & Permits	\$172,109	\$172,109
Maintenance & Upgrades	\$1,848,950	\$3,822,950
Bond Debt Service	\$1,497,610	\$1,497,610
Expenses TOTAL	\$3,665,859	\$5,639,859

THHI FY2012 Storm Water Utility Budget

Infrastructure Improvements - Bond

<u>Budgeted Projects, FY12 Portion</u>	<u>Total to 2/1/12</u>
Completed and Active	\$1,267,652
<u>Planned</u>	<u>\$1,661,348</u>
TOTAL	\$2,929,000*

*Total Includes \$110,000 Contingency for Emergency Repairs

THHI FY2012 Storm Water Utility Budget

Drainage Maint. and Repairs Breakdown – SWU Fees

	<u>Budget FY12</u>	<u>Tot 02/01/12</u>
Non-PUD Areas	\$967,000	\$211,328
Shipyard Plantation	\$128,000	\$0
Hilton Head Plantation	\$91,000	\$28,268
Port Royal Plantation	\$150,000	\$83,018
Indigo Run Plantation	\$62,000	\$8,297
Wexford (Awaiting Contr.)	\$60,000	\$0
<u>Contingency- emg. repairs</u>	<u>\$175,000</u>	<u>\$0</u>
Drainage Maintenance & Repairs		
TOTAL	\$1,633,000	\$330,911

THHI FY2012 Storm Water Utility Budget

Engineering, Inventory & Modeling - Bond

Total Bond funds earmarked for E, I&M projects

Broad Creek BMP Retrofit Study	\$60,000
Port Royal Plantation	\$190,000
Hilton Head Plantation	\$205,000
Jarvis / Gum Tree Watersheds	\$180,000
Unaffiliated (non-PUD) Watersheds	\$100,000
<u>Indigo Run Plantation</u>	<u>\$15,000</u>
Inventory and Modeling TOTAL	\$750,000
Earmarked for FY2012	\$455,000

THHI FY2012 Storm Water Utility Budget

Pump Stations Breakdown – SWU Fees

	<u>FY12</u>	<u>Total to 2/1/12</u>
Pump Maint. & Rebuilds	\$120,000	\$4,810*
Pump Buildings, Grounds, Gensets, and Utilities	\$40,000	\$23,300**
CSA Lawton Canal contract	\$50,000	\$9,760
<u>Contingency-emg repairs</u>	<u>\$75,000</u>	<u>\$0</u>
Pump Stations TOTAL	\$285,000	\$37,860

*Pending repairs \$47,922

**Estimated

THHI operates and maintains 3 pump stations and
6 funds O&M of the Sea Pines CSA Lawton station

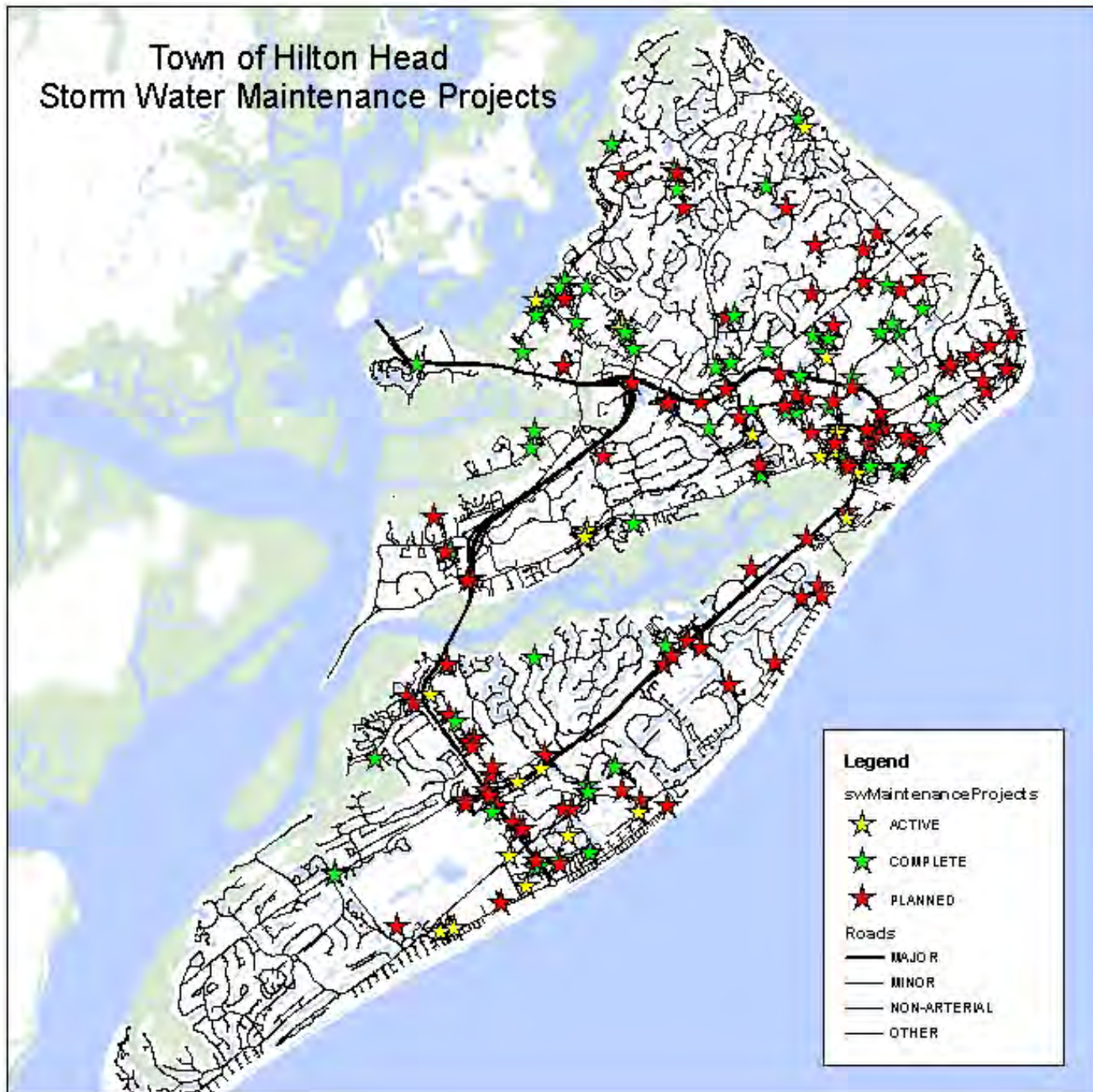
THHI FY2012 Storm Water Projects



27 completed projects
including 10 in PUD's

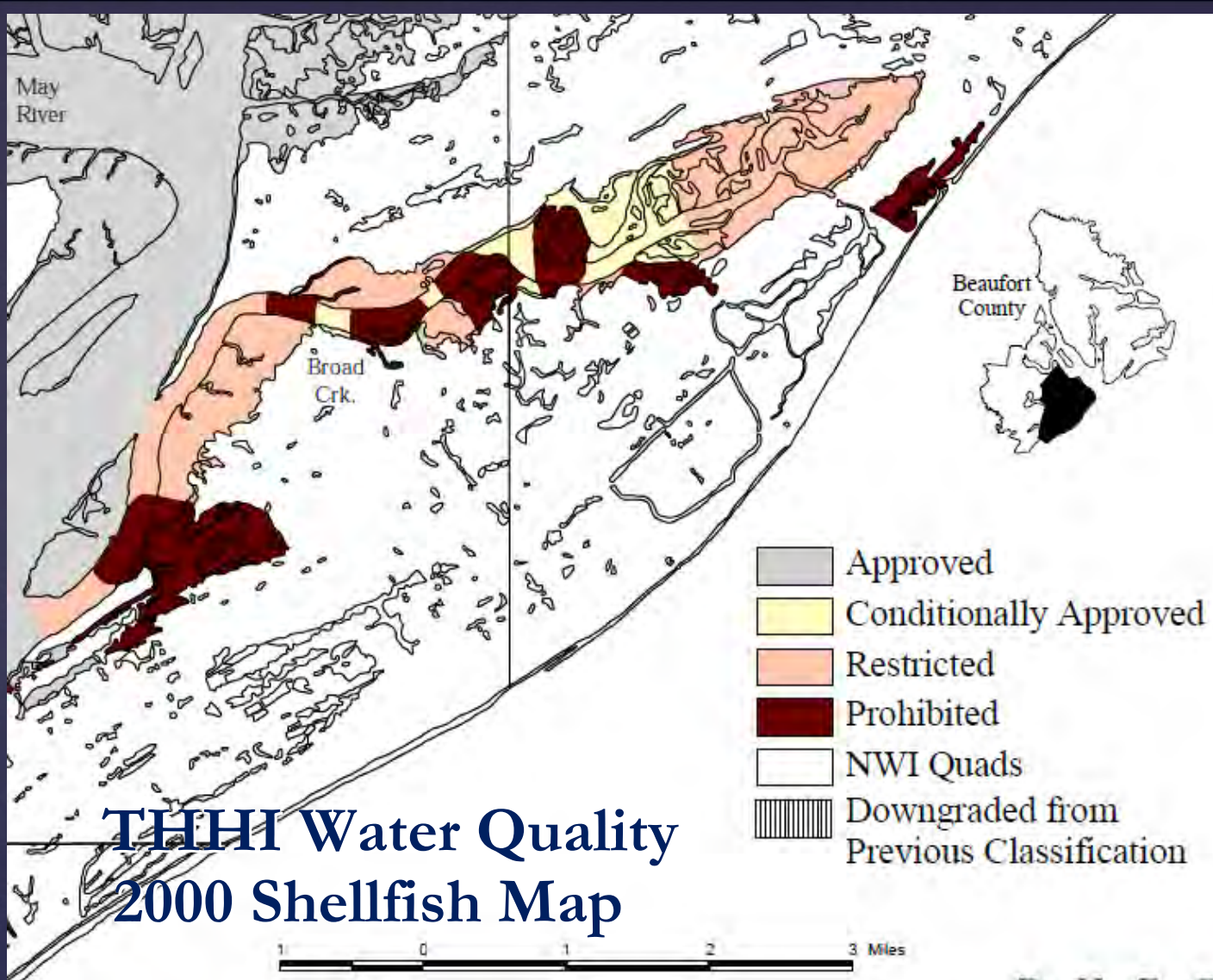
24 active projects
including 7 in PUD's

Town of Hilton Head Storm Water Maintenance Projects



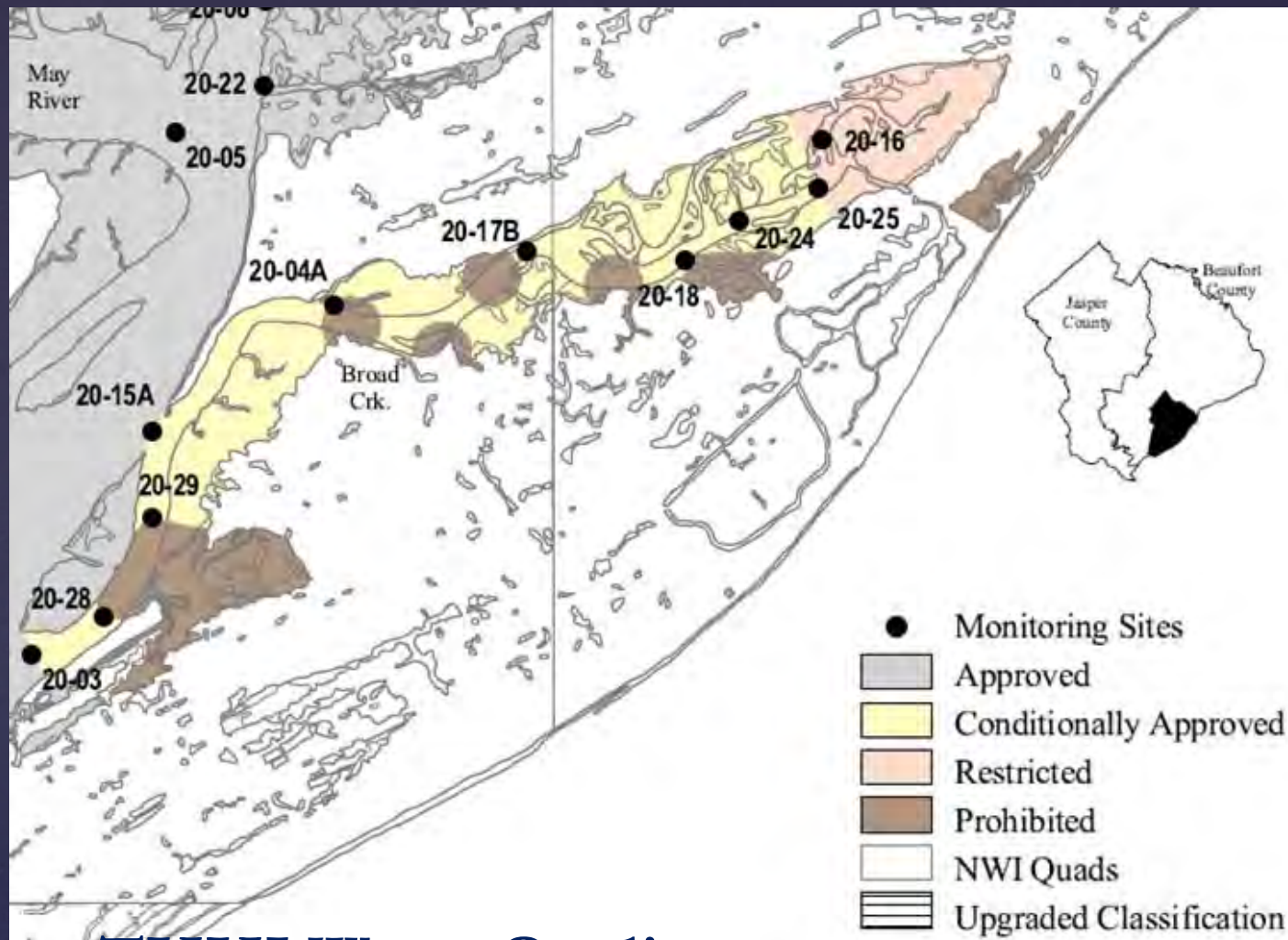
THHI SWU POA / PUD AGREEMENTS

Shamrock Circle	Active
Palmetto Headlands COA	Active
Shipyard Plantation	Active
Port Royal Plantation	Active
Hilton Head Plantation	Active
Indigo Run Plantation	Active
CSA Lawton Pump Station	Active
Palmetto Dunes / Leamington	Begins FY13
Wexford Plantation	TC approval for FY13
Sea Pines Plantation & Pumps	TC approval for FY13
Palmetto Hall Plantation	Negotiation
Long Cove Club	Negotiation

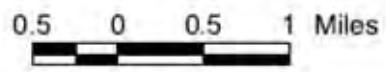


THHI Water Quality 2000 Shellfish Map





THHI Water Quality 2005 Shellfish Map



Improvement trend last decade,
 Restricted area is shrinking.



Figure 1.

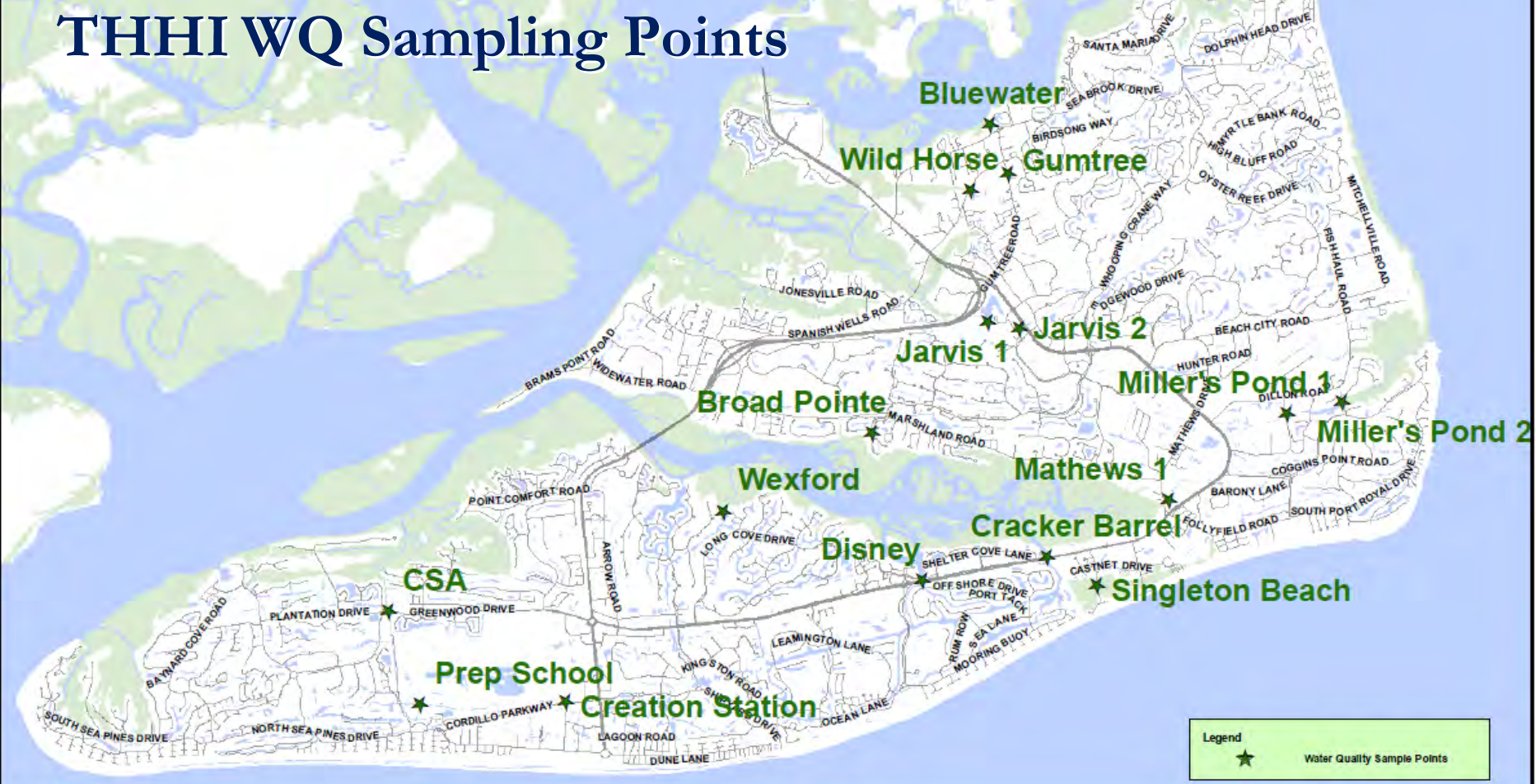
Shellfish Growing Area 20

*Harvest Classifications,
 Stations and
 Potential Pollution Sources*

- Shellfish Monitoring Sites
- NPDES Permits
- Marinas
- Ports
- Stormwater Permits
- Shellfish Harvest Classifications**
- Approved
- Conditionally Approved
- Restricted
- Prohibited
- Shellfish Mgt. Growing Area
- Reclassifications**
- Restricted to Conditionally Approved

**THHI Water
 Quality
 2010 Shellfish Map**

THHI WQ Sampling Points



Legend

★ Water Quality Sample Points

TOWN OF HILTON HEAD ISLAND
 ONE TOWN CENTER SQUARE
 HILTON HEAD ISLAND, S.C. 29928
 PH: 843/781-4000

Town of Hilton Head Island
 Water Quality Sampling Points
 September 2008

1 inch equals 4116 feet

This information has been prepared from a variety of sources that general accuracy of several data points cannot be guaranteed. The Town of Hilton Head Island assumes no liability for its accuracy or completeness.

Town of Hilton Head Island WQ

- 4 projects recently completed (not in Ward Edwards contract)
 - Mathews Dr. CIP project: WQ Vortechs (THHI.)
 - Additional monitoring point added in upper Broad Creek near Mathews and Marshland Road intersection (THHI.)
 - Old Cracker Barrel site: SW wet pond & O/F spillway removed and underground storage constructed (Private.)
 - Palmetto Electric Coop Mathews Dr. office –re use of roof water and on site storage cisterns in LID remodel (Private.)

Town of Hilton Head Island WQ

- Ward-Edwards is currently designing and permitting BMP retrofits in the upper Broad Creek watershed. This project resulted from recommendations of the 2006 Beaufort County SWMP.
- The projects include:
 - Retrofitting outlet structures of existing ponds near Shelter Cove Mall.
 - Establishment of bio-retention areas or constructed wetlands on Town owned property off of William Hilton Parkway.
 - Establishment of bio-swales in medians on William Hilton Parkway.

THHI FY2012 SWU Public Education

Using Parks Upgrade funds, the Sustainable Practices Coordinator developed 4 interpretive signs for Jarvis Creek Park which explain how the park's design protects our natural resources while reducing upstream flooding, and how the Town used green infrastructure to filter storm water prior to outfall in Jarvis Creek. The signs explain the process and allow visitors to bring ideas back to their own communities. The Town is also currently working on a new web page that will include public education on water quality and practices for its protection.

THHI FY2012 SW Regulations

- Town is pursuing “delegated authority” for storm water and erosion control regulation from SC DHEC. The Town’s objective is to provide better customer service to developers by providing local, more responsive plan review and site inspections.
- The Town is currently embarking on revisions to the entire LMO; these shall include changes to the storm water requirements.

THHI FY12 SWU Accomplishments

- New 10 year Intergovernmental Storm water Management and Utility Agreement executed between THHI and County.
- **IDIQ On-call contract for storm water pump station repairs awarded to BRW Construction of Savannah.**
- Drainage and Easement Agreements which begin FY13 signed with Palmetto Dunes Plantation and Leamington.
- **Additional FY13 Drainage and Easement Agreements with Wexford and Sea Pines CSA pending Town Council approval on February 7th.**

THHI FY12 SWU Accomplishments

- Negotiations continue with Long Cove Club and Palmetto Hall Plantation.
- **Acquired land and easements for drainage projects off of Gumtree Road, Squire Pope Road and others.**
- Acquired additional \$7M Bond while lowering total debt service rates on existing bond.
- **Drafted GIS Storm water attribute schema recommended to be adopted Countywide.**
- IDIQ On-Call Contract for Trenchless Pipe Rehabilitation (3 processes) - awarding in February.
- **Completed SC DHEC NPDES delegation application.**