Call to Order

2. Approval of Minutes March 28, 2014

3. Director's Report

4. Committee Reports
- Science Advisory
- Project Implementation
- Business Resources Committee
- Community Action Committee
- Finance Committee

5. Old Business

6. New Business

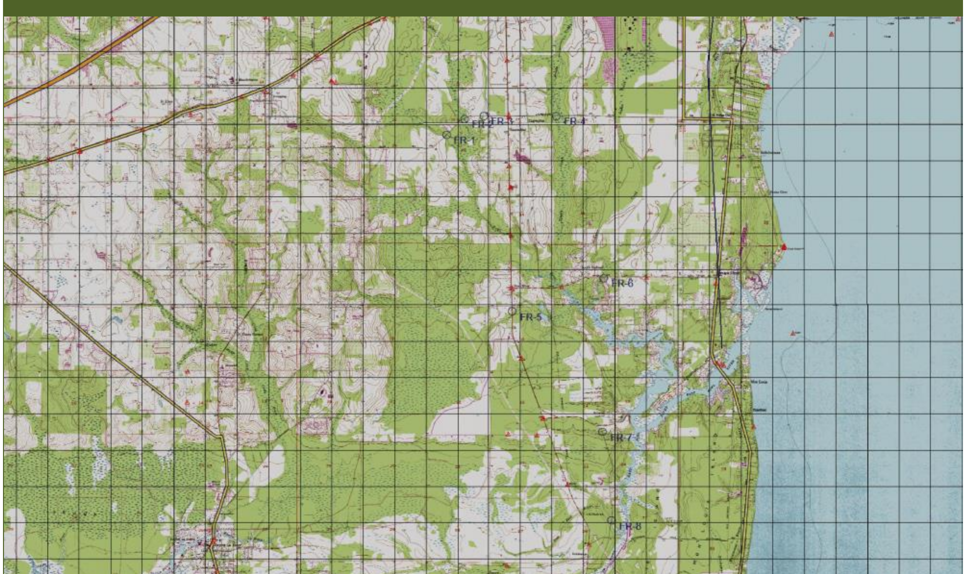
7. Announcements/Other

8. Adjourn

Comprehensive Conservation and Management Plan 2013 - 2018

- *30 Day Comment Period July 1-31, 2014*
- *Vote to Accept and Submit to EPA pending any final comments*

9 Sediment Monitoring Proposed Sites



Alternatives Evaluation Report
Mon Louis Island Restoration, Mobile County, Alabama

Mobile Bay National Estuary Program
June 4, 2014 (DRAFT)

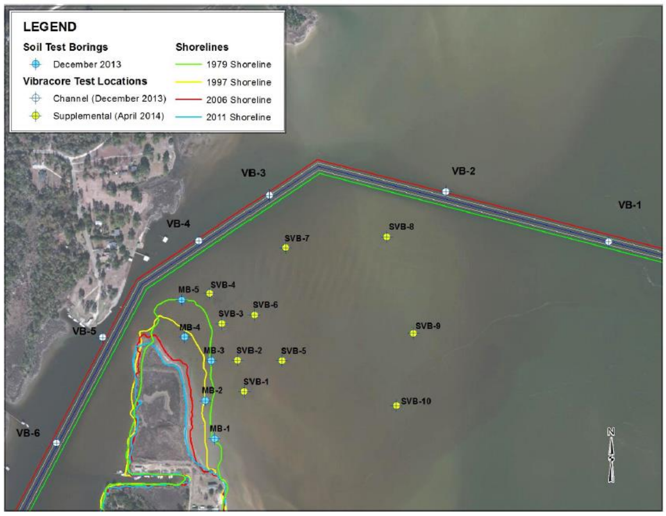
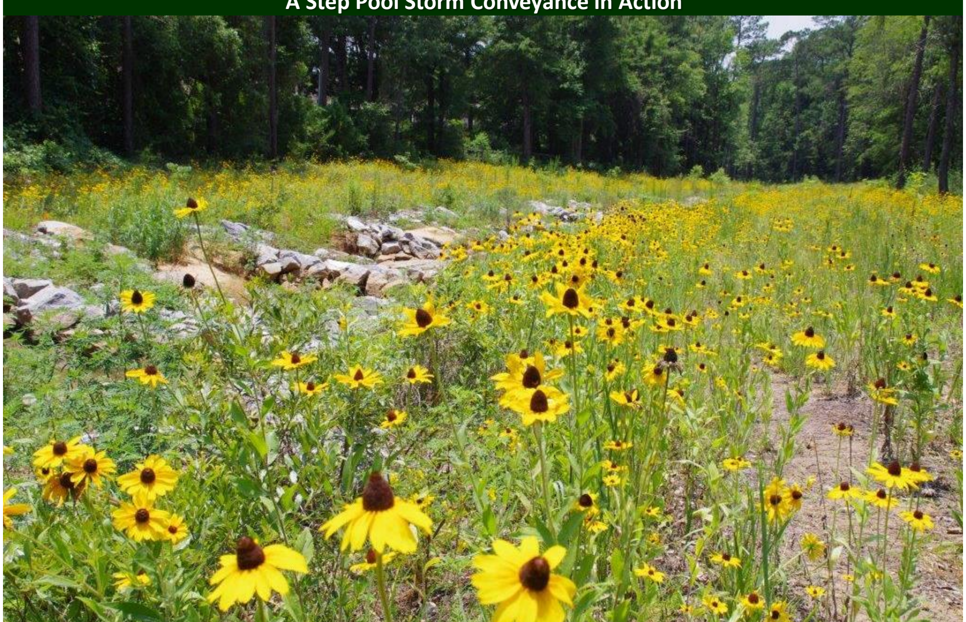
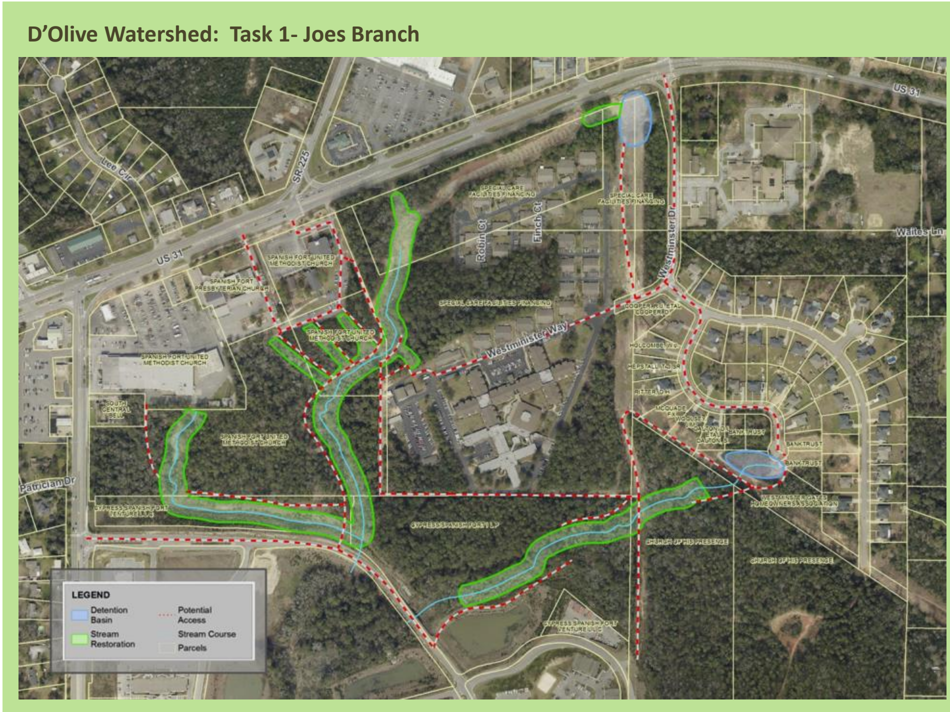
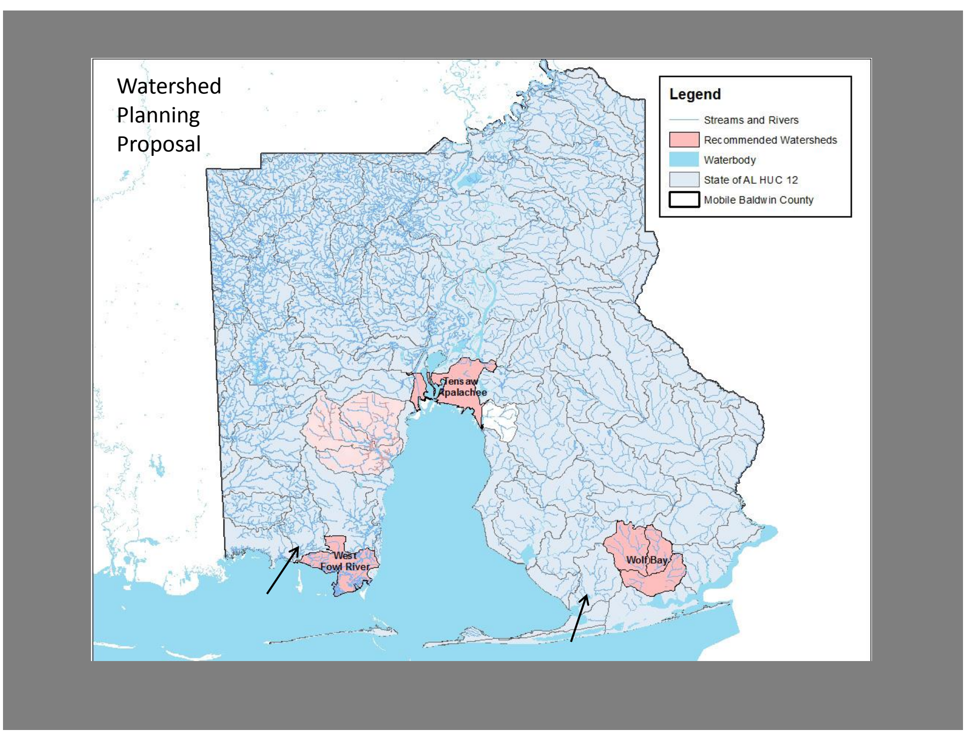


Figure 3: Soil Boring and Vibracore Locations

A Step Pool Storm Conveyance in Action




D'Olive Watershed: Task 1- Joes Branch
US 31
Westminster Dr
Westminster Way
Robin Ct
Finch Ct
Patrician Dr
Waites Ln
SR 225
Lee Cir
LEGEND
Detention Basin
Stream Restoration
Potential Access
Stream Course
Parcels


Watershed
Planning
Proposal
Legend
Streams and Rivers
Recommended Watersheds
Waterbody
State of AL HUC 12
Mobile Baldwin County
Tensaw Apalachee
West Fowl River
Wolf Bay

2014-2015 Work Plan Addition: $20,000 for Climate Ready Estuaries- VOTE

TAC: 4. CLIMATE READY ESTUARIES: THREE MILE CREEK WATERSHED-TOULMINS SPRING BRANCH FLOOD MODELING/COMMUNITY ADAPTATION

Project Number	TAC1404
Title	Toulmins Spring Branch Flood Modeling/Community Adaptation
Values Supported	
Purpose	The purpose of this project is to provide the underserved community living in proximity to Toulmins Spring Branch information that targets flooding for improved infrastructure planning and construction and an intensive community engagement process to begin to discuss adaptation issues related to "what to protect, accommodate, and what to conserve".
Outputs/Deliverables	Stormwater model , community engagement and facilitation to initiate adaptation planning
Outcomes	Improved ecosystem function and protection; Improved community management of ecosystem restoration and protection activities; expanded community engagement, ownership, resilience
Clean Water Act Relevance	Support water quality standards; improve wetland function and coverage
Year 1 (2013-2014)	$ 0
Year 2 (2014-2015)	$ 20,000
Other Funding	$ 0
Total	$ 0
Past Year Funding	$
Match/Leverage	
Lead/Partners	MBNEP

Within the Three Mile Creek watershed, one low-income, traditionally-underserved community located along Toulmin Springs Branch faces a disproportionate burden of environmental impacts related to development, climate change, and sea level rise. This community was developed in a lowland area available to them because of its low commercial/economic value and vulnerability to flooding and pollutant loads concomitant with land use change. With the frequency and intensity of weather events predicted to increase, this community faces disproportionate effects of climate change, and any problems they are currently experiencing will only get worse.

MBNEP recognizes the need for community engagement along Toulmin Springs Branch to educate this susceptible population about the science underlying the vulnerabilities associated with where they live and impacts that they face in the future, and about ways to adapt to changing conditions. If this engagement is conducted in a meaningful way, 1) potentially affected community members will have an appropriate opportunity to participate in decisions about proposed activities that will affect their environment and/or health; 2) the public's contribution can influence local government management decisions; 3) the concerns of all participants involved will be considered in the decision-making process; and 4) the decision-makers will seek out and facilitate the involvement of those potentially affected.

Floods are the leading cause of natural disaster losses in the United States, costing approximately $50 billion in property damage in 1990s alone (NAP 2009). In addition to property damage, floods also kill about 140 people each year in the United States alone (USGS 2006). FEMA lists flooding as the most familiar and frequent natural disaster in Alabama. From 1998 to 2007, insured flood losses totaled more than $730 million (FEMA fact sheet 2008). Residents living on Alabama's coast are at a heightened flood risk during hurricane seasons due to much of the area's low lying elevation. The underserved residents of the Toulmins Spring Branch community (100% African American) are not only susceptible to chronic flooding (elevation 0 ft. Lat/Lon. 30,717689, -88.066944), but according to a soon to be published watershed management plan for the Three Mile Creek watershed, this area will also experience impacts related to both sea level rise and increased storm surge.

In spring of 2014, Mobile County asked for MBNEP assistance to identify solutions to the chronic flooding in this area that was costing more and more money for infrastructure repairs. The assistance requested included identification of target areas for increased stormwater management and intensive education of public works personnel related to low impact development practices that can aid in reducing storm surge. Given current flooding rates coupled with predictions of increased flooding events related to sea level rise and storm surge, MBNEP has identified this community as a priority for intensive adaptation planning particularly as it relates to where environmental protection is needed, what parts of this community can be accommodated, future resiliency planning for critical infrastructure and identification of areas that may need to be vacated as waters rise.

Objectives 2014-2015 year:
Evidence reveals that moving beyond business-as-usual development and disaster risk reduction approaches towards those practices that are more transformative has been made by operationalizing a bottom-up, participatory, flexible, empowerment paradigm that engages strong institutional processes and the incorporation of local climate knowledge in planning and decision-making. Our objective with the Toulmins Springs Branch community is to employ the gamut of potential mechanisms for beginning this conversation.

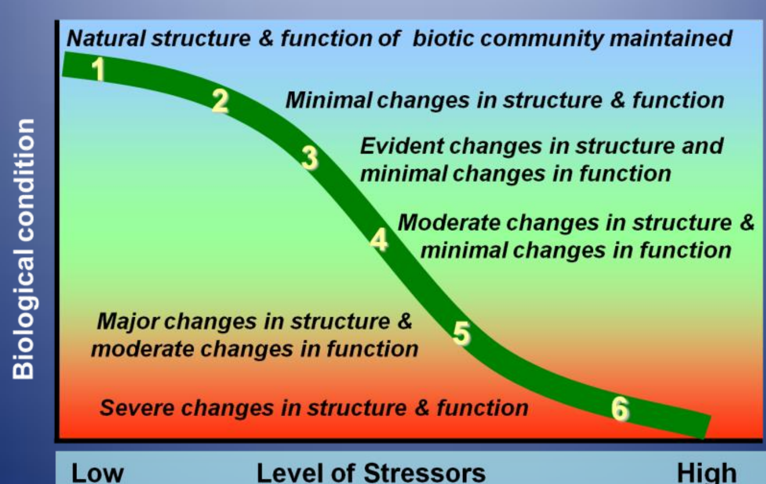
To ensure that scientifically based decision support tools are available for educating the effected community and for future infrastructure planning, we will employ modeling to create a flooding index using land use/land cover scenarios and compare indices to identify sensitive areas.

Other Stuff

- Maharam Dakua and Auburn University Team
- Bays and Bayous

Science Advisory Committee

Biological Condition Gradient



Initial Actions

- Build a database containing the spatial extent and ecological condition of wetlands, streams, rivers and riparian buffers, and the extent of major stressors.
- Use multi-scale assessment of habitat quality, consisting of landscape (Level 1) and ground-level assessments (Levels 2 and 3).
- Use wetland rapid bioassessment procedures (WRAP and HGM) currently in use on the Alabama coast.
- Use the ADEM §303(d) listing or develop/adopt stream and river bioassessment methodologies.
- Use BCG framework based on the proportional extent of high, medium, and low quality wetlands and water resources.

What data is available?

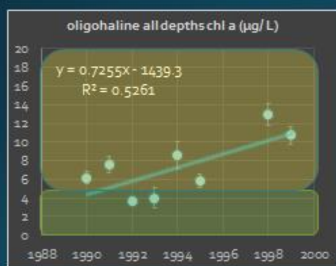
- Historical datasets for Mobile Bay

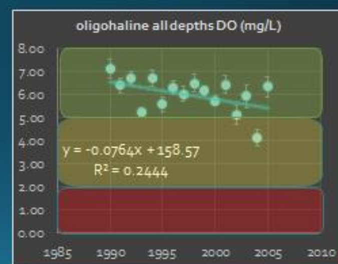
Dataset	Years encompassed	Parameters	Sampling schedule
Pennock et al.	1989- 1999	DO, chl a, light attenuation	Random
Alabama Coastal Foundation	1991- 2005	DO, secchi depth	Weekly
EPA	2000- 2003	DO, secchi	Yearly
McIntyre et al. Technique incompatibility	2005- 2007	Chl a, light attenuation	Monthly
ADEM	2011- 2013	DO, chl a, secchi	Bimonthly, only 3x year

- Prior to 1989?
- Datasets past 2005 in Area of Interest are sporadic, not necessarily comparable

Historical data for Mobile Bay

- EPA standards: Good, Fair, Poor





Project Implementation Committee

BUSINESS RESOURCE COMMITTEE

BRC Org Chart- Advisory Council

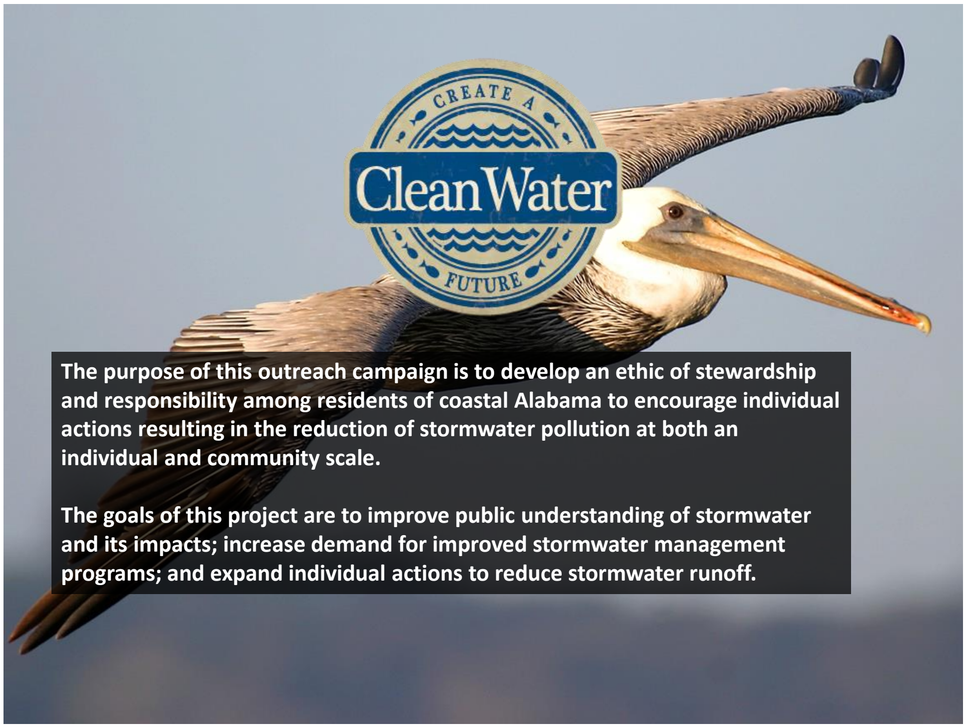
Create A Clean Water Future

Three Mile Creek

Mission of BRC: To advocate for streamlined regulations and balanced business practices that are in the best interest of the region's economic and environmental resources.

Goals: 1). Identify environmental issues that impact business; 2). Educate and advocate for environmentally sound business practices; 3). Recommend coastal management priorities.

Adopted "Create a Clean Water Future" campaign to engage the business community in helping to improve our "estuarine resources" through education, recognition, action and other opportunities.



Will you join the
Mobile Bay National Estuary Program and its partners in

LEADING THE TRANSFORMATION OF THREE MILE CREEK?

Community Action Committee progress for five year strategy YR1

Question 1 of 10

Goal: Increase awareness of coastal resources supporting what people value most about living in coastal Alabama.

1. Objective: Conduct at least 50 presentations annually to raise community awareness on what people value most about living in coastal Alabama.

Number of presentations completed:

Please list presentation details (i.e. topic, group)

- Old Business
- New Business
- Announcements
- Adjourn

CREATE A CleanWater FUTURE

A journey of a thousand miles…