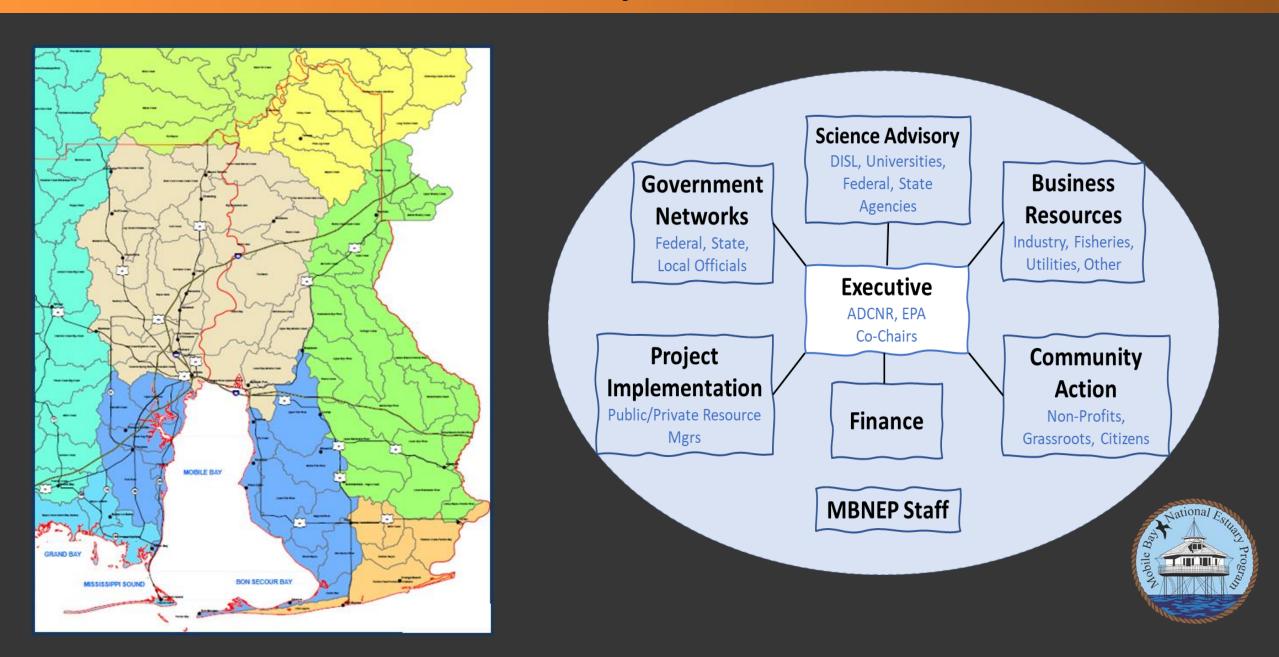


Crazies



MBNEP: Where we work, Who we are



MBNEP: How we achieve Collective Impact, Why?

Common Agenda

The vision for change

Shared Measurement

Data collection, interpretation

Mutually Reinforcing Activities

Coordinated Actions, partners

Continuous Communication

Consistent and open communication

Backbone Support

Coordination of efforts



Access to Water and Open Spaces



Coastlines (Beaches and Other Shorelines)



Fish & Wildlife



Heritage and Culture



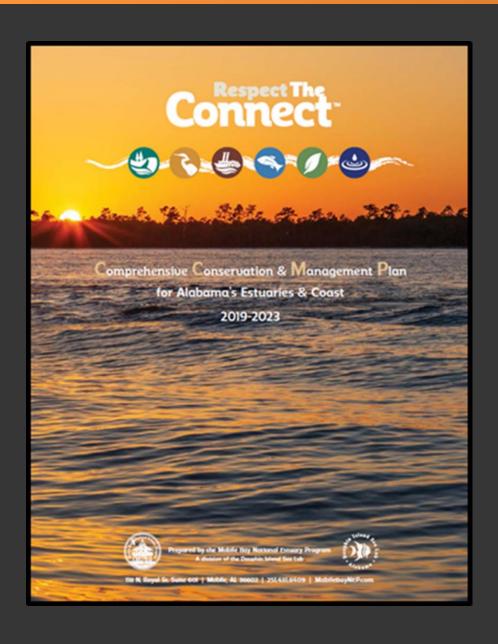
Environmental Health and Resilience



Water Quality



The Common Agenda



Ecosystem Status and Trends

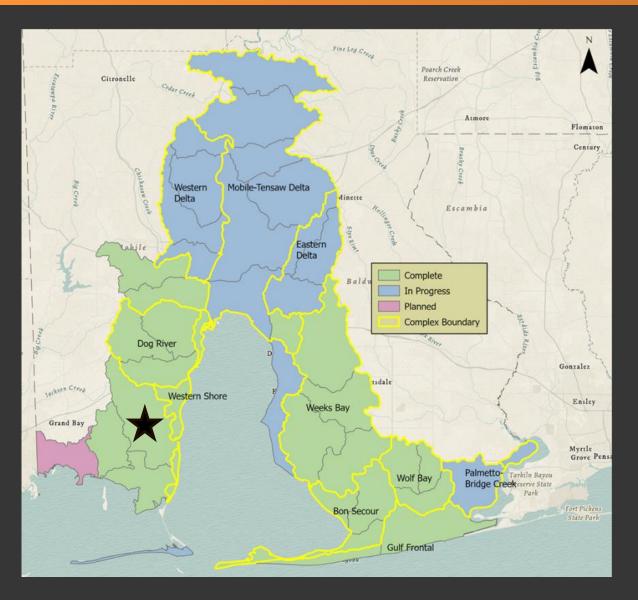
Ecosystem Restoration and Protection
 Watershed Planning

Community Capacity Building

Education and Citizen Involvement



Watershed Planning Goals



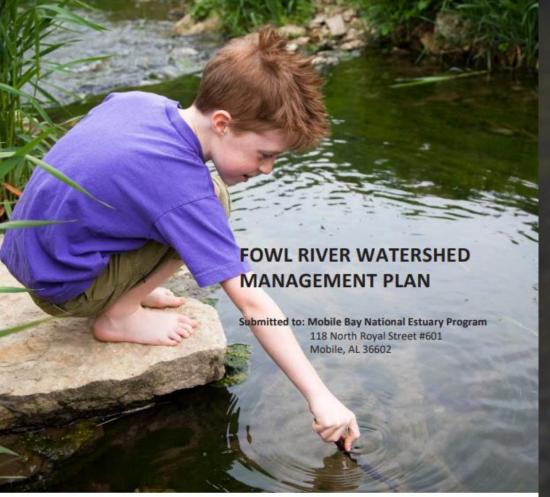
- Water Quality
- Habitats
- Customary Uses
- Community Resilience
- Access



98 individual watersheds, 48 tidally influenced

Watershed Planni

Johnnie Adams Kelley Barfoot Richard Becker Jack Boatman Casi Callaway Comm. Jerry Carl Richard Craig David & Elizabeth Julius Foster Frank Gardner Ken Granger Gene & Rose Gra Steve Green Rob Harris Ted Henken



MILLS Alabam







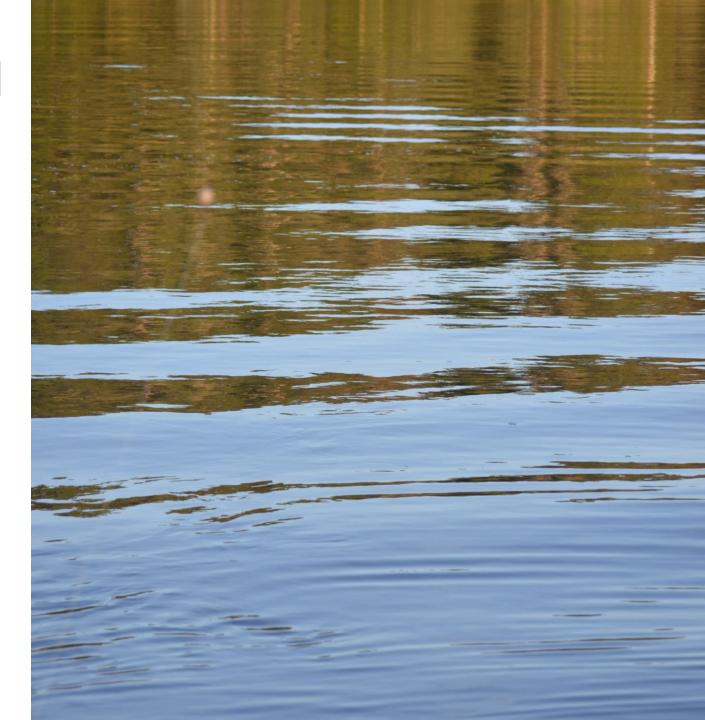




Jon Porthouse Ray Richardson Ronald Rowell Rep. David Sessions Randy Shaneyfelt Sam St. John **Judy Stout** Roberta Swann **Bonnie Tully** Oliver Washington Harold White Bill Withers Jenni Zimlich

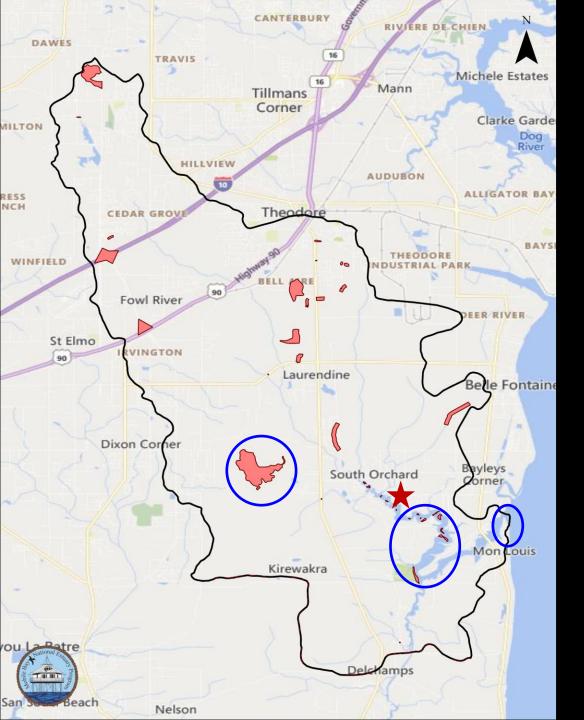
Fowl River Watershed Plan Goals

- Improve habitats for fish, shellfish, wildlife, and community resilience (Critters and Crazies)
- Maintain water quality for fish, shellfish, wildlife, and traditional uses (Critters and Crazies)
- Expand opportunities for community stewardship and access to the water (to see Critters and for Crazies)

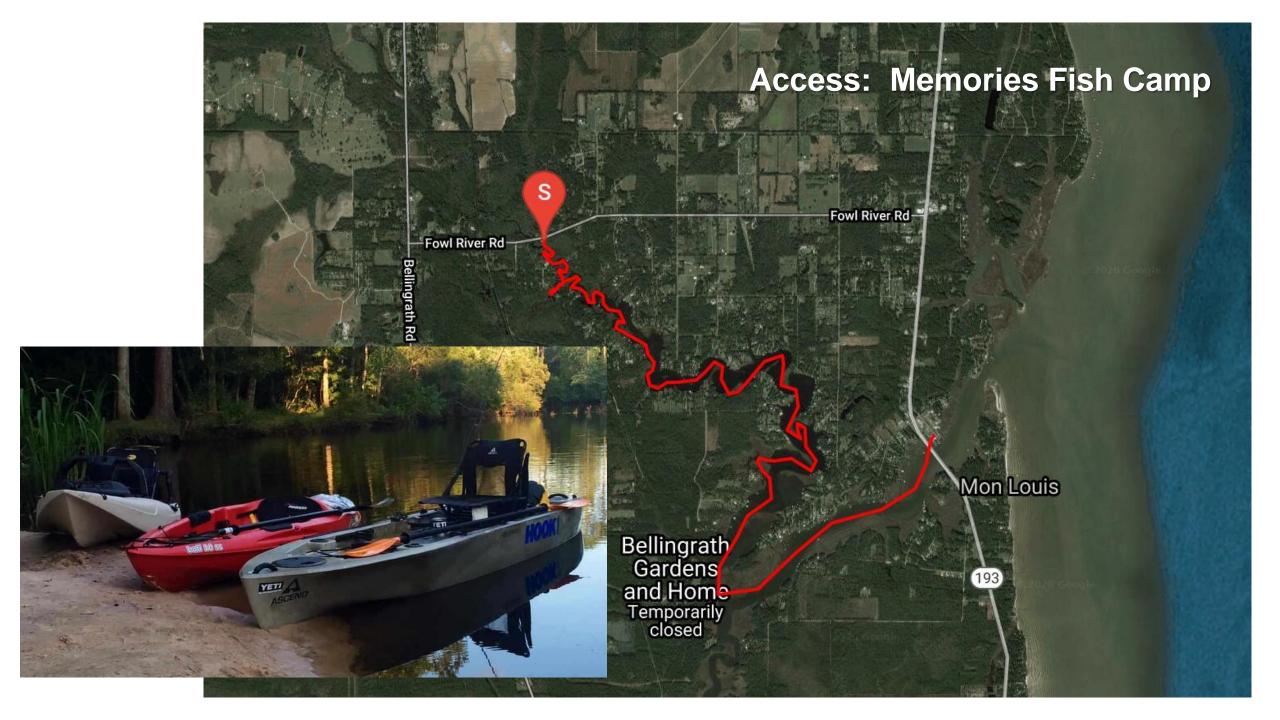


Fowl River Watershed Plan Objectives: Overall Status

Area	Action	In Progress
Access	Create one public access point	X
Access	Develop a boater education on Wakes, hazards	
Fish and Wildlife	Restore 13,500 linear feet of stream/riparian buffer	
Resilience	Stabilize 22,000 linear feet of shoreline	X
Resilience	Protect/enhance 35 acres of salt marsh	Х
Resilience	Create one recycling drop off location	
Water Quality	Restore/enhance 500 acres of freshwater wetlands	Х
Water Quality	Install agricultural best management practices	Х
Water Quality	Improve stormwater mgt. subdivision regulations	
Water Quality	Reduce litter along roadsides by 75%	Х
Water Quality	Create/sustain 10 volunteer water quality monitoring sites	х

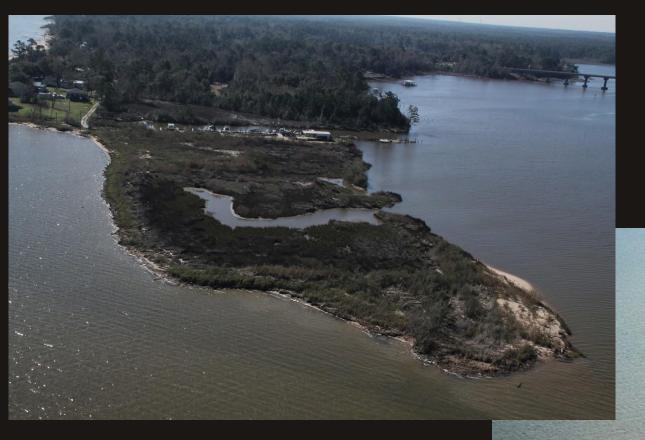


- 1. Memories Fish Camp Access
- 2. Fowl River Spits
 Stabilization/Marsh Enhancement
- 3. Mon Louis Island Tip Stabilization/Marsh Creation
- 4. Cannon Property Wetlands Restoration
- 5. Trash Blows
- 6. Volunteer Water Quality Monitoring
- 7. The Future: Environmental Monitoring



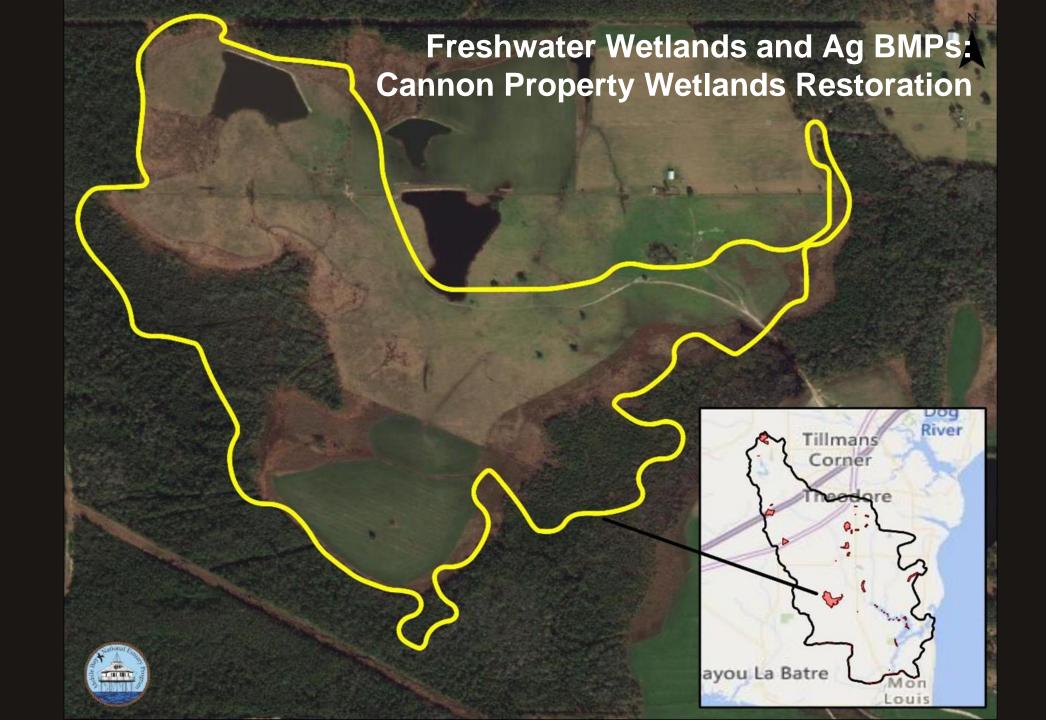




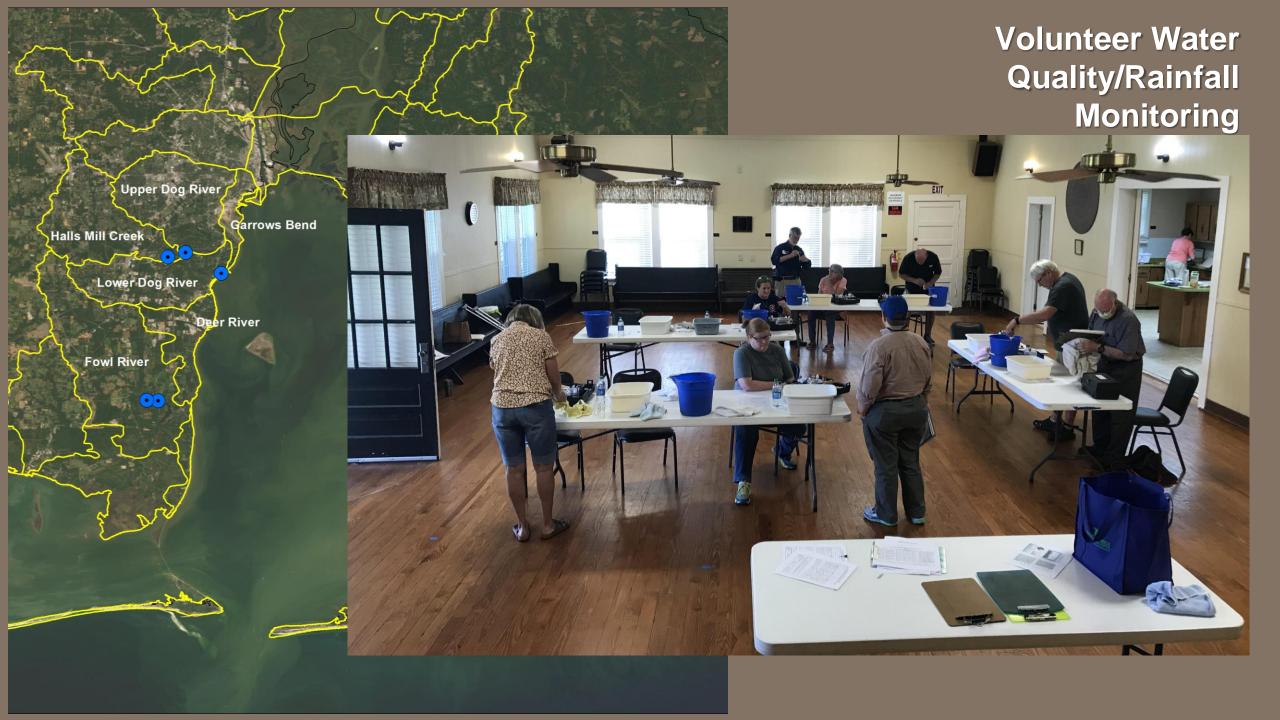


Shorelines and Marsh: Mon Louis Island Tip





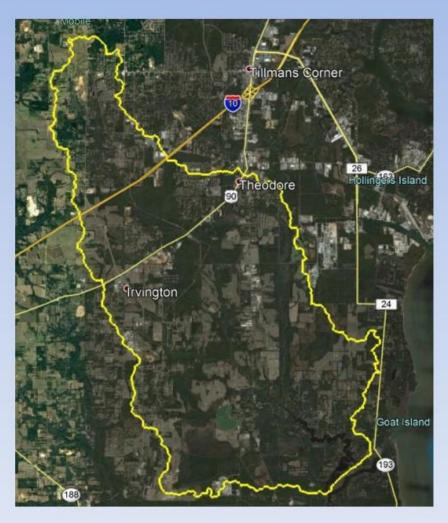




Hydrologic Modeling:

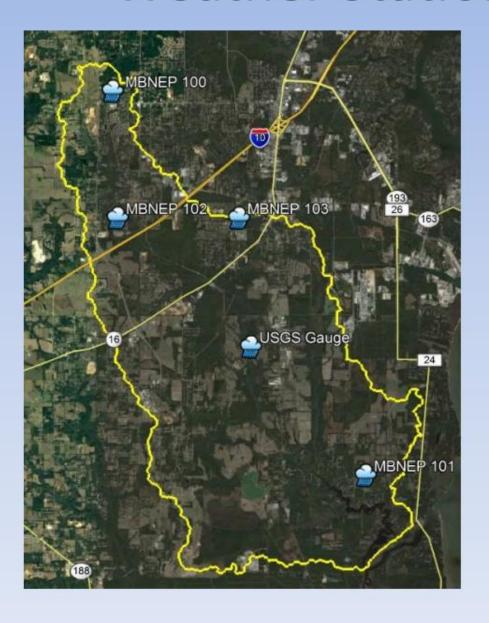
Another Tool in the toolbox

Fowl River Watershed Study



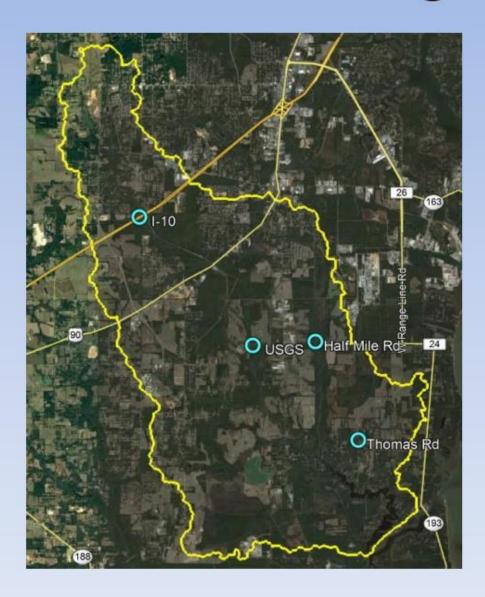
- Funded by NFWF-GEBF
- Fowl River Watershed Restoration
- Watershed model developed to inform restoration and stormwater management

Weather Station Locations



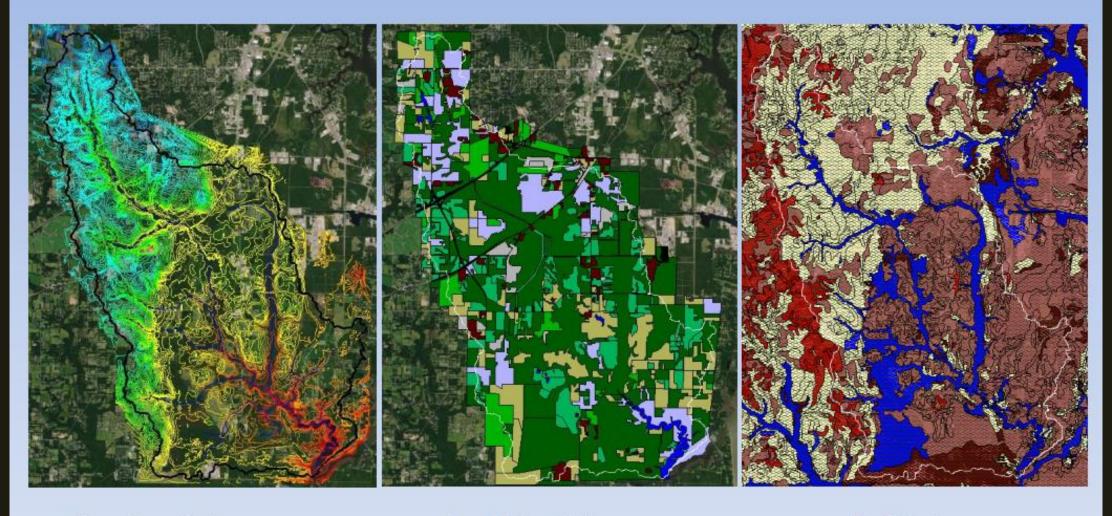
- Installed four (4) Davis
 Instruments Vantage Pro
 2 Precision Weather
 Stations
- 1 USGS Gauge
- Collected rainfall, wind speed, humidity, temperature, and pressure

Stream Gauge Locations

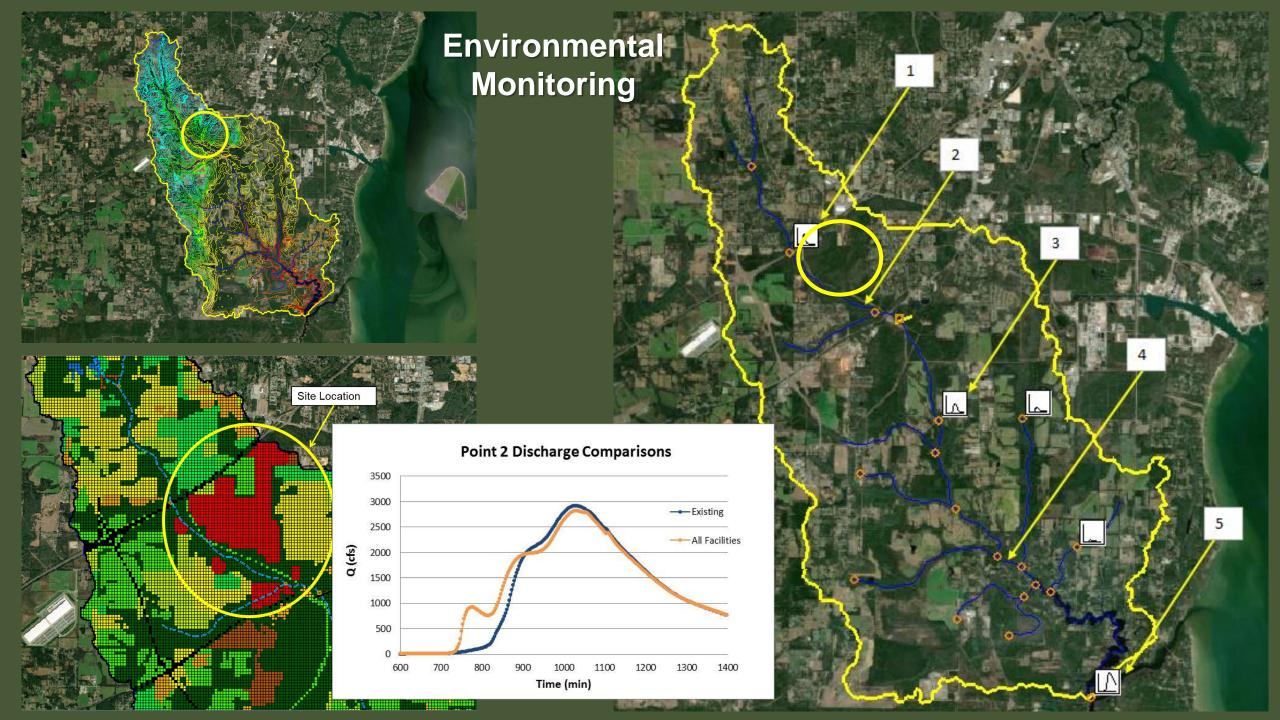


- Installed three (3) Trimble
 Telog RU-33 with Level
 Logger Gauges
- 1 USGS Gauge
- Collected stream stages during rainfall events

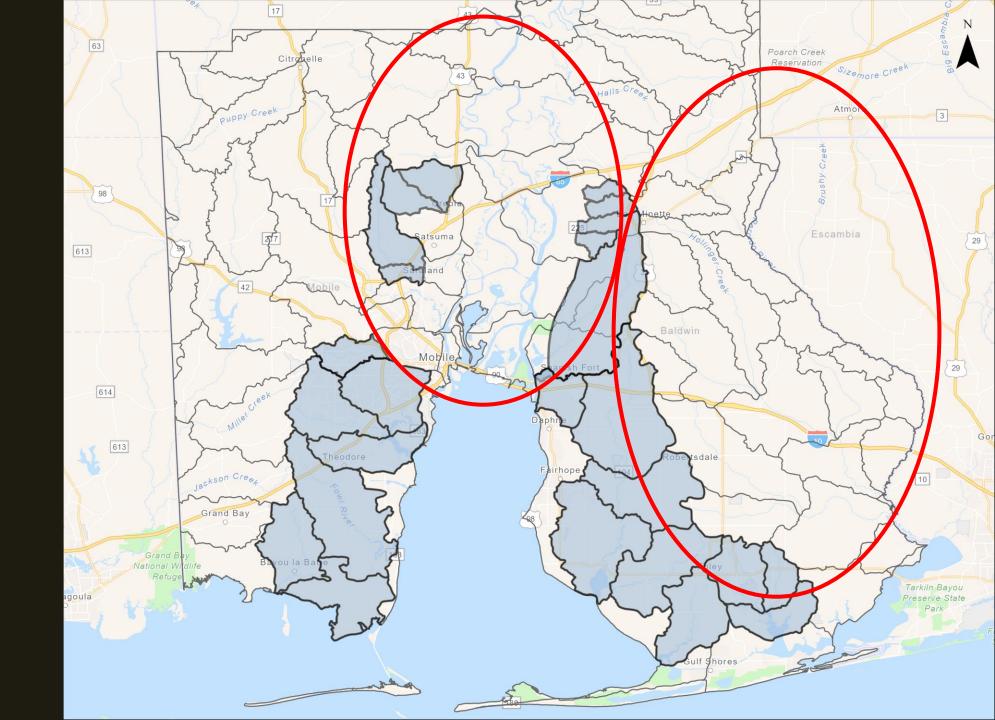
GSSHA Model Information



Elevation Data Land Use Data Soil Data

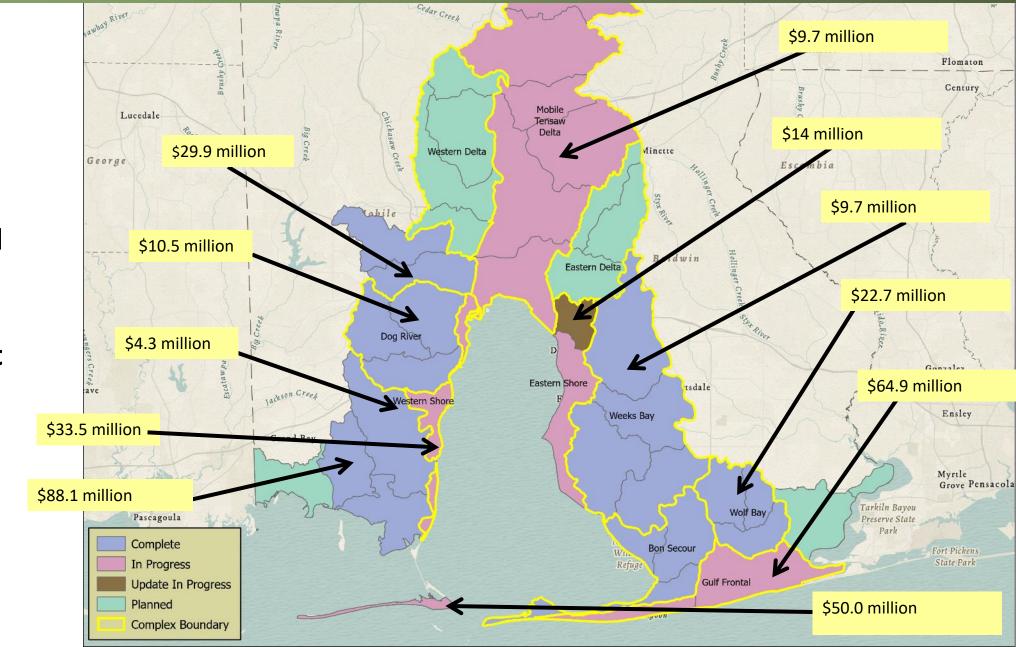


Hydrologic Modeling Landscape



Why do we plan?

To collectively and continuously improve environmental management across the Alabama coast



What keeps the MBNEP up at night...

- Design of projects to address stresses
- Adaptive Management until full maturity
- Institutionalize the use of green infrastructure
- How do we create a sustainable funding mechanism for environmental monitoring?



And into the forest 1 go, to lose my mind and find my soul. John Muir

The Mobile Bay National Estuary Program looks forward to sustaining the long-term health of Alabama's estuaries and coast for the Critters and in partnership with the Crazies.



Thank you.

