



**RE-DEVELOPING MOBILE'S
COASTAL PENINSULA
THE HEART OF DAUPHIN ISLAND
PARKWAY**

AN UPDATE



THE PENINSULA OF MOBILE

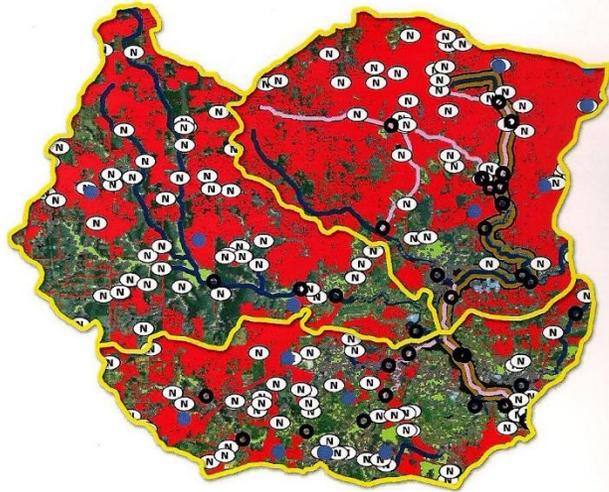
A Non-Profit 501(c)(3) organization

*Supporting the development of a
clean and vibrant community,
while working to sustain the
sensitive environment that is....*

The Peninsula

Dog River (Upper, Lower, Halls Mill)

- 1 Prioritized Wetlands
- 2 Point Source Discharge (NPDES)
- 3 ADEM Monitoring Stations
- 4 Toxic Release Inventory
- 5 Prioritized Intertidal Marshes and Flats
- 6 Impaired Waters
- 7 Sediment Study
- 8 ADEM Water Quality Survey
- 8 Watershed Management Plan



- | | |
|---|------------------------------|
| Watershed Boundary | Intertidal Marshes and Flats |
| Prioritized Wetlands | TMDL |
| NPDES | Streams and Rivers |
| ADEM Monitoring Stations | Sediment Study |
| Toxic Release Inventory | Wetlands |
| Intertidal Marshes Flats Prioritized Hazard | Urban Land Use Land Cover |

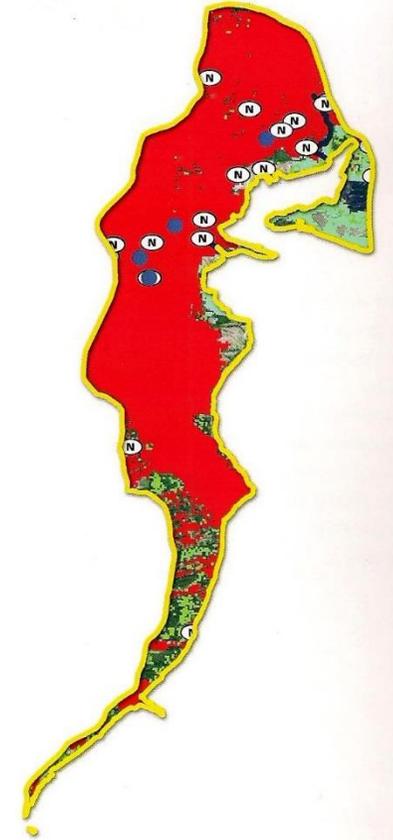
The Watersheds of the Peninsula



Garrows Bend

* Currently in Development

- 1 Point Source Discharge (NPDES)
- 2 Toxic Release Inventory
- 3 Intertidal Marshes and Flats



Legend

- | | |
|-------------------------|------------------------------|
| Watershed Boundary | Intertidal Marshes and Flats |
| NPDES | Wetlands |
| Toxic Release Inventory | Urban Land Use Land Cover |
| Streams and Rivers | |

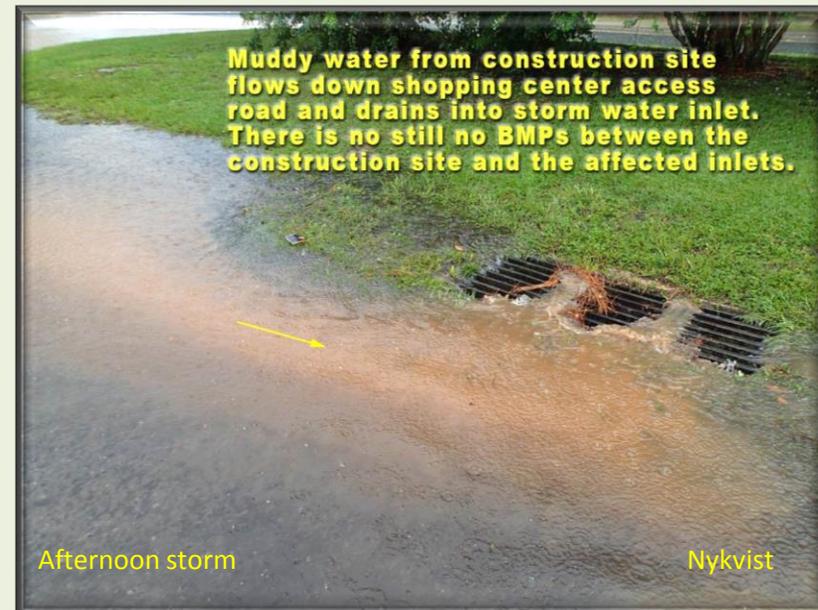
Legend



**Bay shore defends
against tropical
weather**

**Stormwater enters either Payne,
Rabby and Willow Run Creek and
Robinson Bayou and Dog River...**

Ultimately into Mobile Bay.





Muddy Water from Construction Site flowing toward shopping center storm water inlet. No BMPs between construction site and inlet.



Photo: Nykvist 2013



**Muddy Water from
Construction Site
flowing toward shopping center
storm water inlet. No BMPs between
construction site and inlet.**

Photo: Nykvist

To Manage Our Growth.



Photo: Nykvist



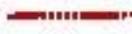
Existing:

-  Parks
-  Crepe Myrtle Bike Trail
-  Dog River Scenic Blueway Trail

Active Programs:

-  Sustainable Development Plan
-  Focus "Miracle" Mile
-  Pilot Project
-  Crepe Myrtle Trail Extension
-  Perch Creek Nature Trail Boardwalk
-  Visitor Center

Proposed Long Range Projects:

-  Shoreline Restoration
-  Wetland Preservation
-  West Crepe Myrtle Trail Ext.
-  Brookley Crepe Myrtle Trail Ext.
-  Trail Boardwalk & Rest Stops
-  Park

Low Impact Development (LID)

- Improve stormwater quality
- Improve health of local water bodies
- Reduce flooding
- Increase groundwater recharge
- More attractive landscapes
- Wildlife habitat benefits
- Improved quality of life

Edited from Low Impact Development Handbook for the State of Alabama



Steps..

Comprehensive Corridor Master Plan *featuring*
LID concepts and a Redevelopment District overlay

- **Completed mapping**
- **Applied for and received planning grant(s)**
- **Hired planner**
- **Holding public workshops**
- **Coordinating plans**

Plan Pilot Project....

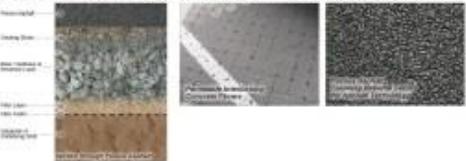
Section 4 Bay Furniture



RAIN GARDENS & CURB CUTS
 Rain gardens could provide stormwater and aesthetic value along Dauphin Island Parkway, particularly at the corner of DIP and Bryan Ave. The shopping center's sign, currently located in the center of the parking lot, could be relocated to the corner rain garden.



PERMEABLE PAVING
 The shopping center's nearly one acre of impervious parking lot could be ripped out and replaced with pervious paving. This would have the greatest immediate and long-term stormwater management impact.



RAINWATER HARVESTING
 Bay Furniture's substantial roof area (6000+ square feet) could be used to advantage by directing water into rain barrels. Harvested rainwater could be used for toilet flushing or irrigating rain gardens during dry times. By placing rain barrels at the front of the store, Bay Furniture could market them to homeowners by demonstrating their use.



LID example images taken from the Low Impact Development Handbook for the State of Alabama, 2014.

Currently a sea of imperious surface at the headwaters to Perch Creek, a clean urban stream and the focus of our eco-recreation plan.



Imagine....



Permeable Interlocking Concrete Pavers; Orange Beach, AL

Synonyms: Pervious pavement, modular paving systems, enhanced porosity concrete, porous pavement, modular plastic permeable paving



Pickerelweed can be planted to attract dragonflies;
Phenix City, AL

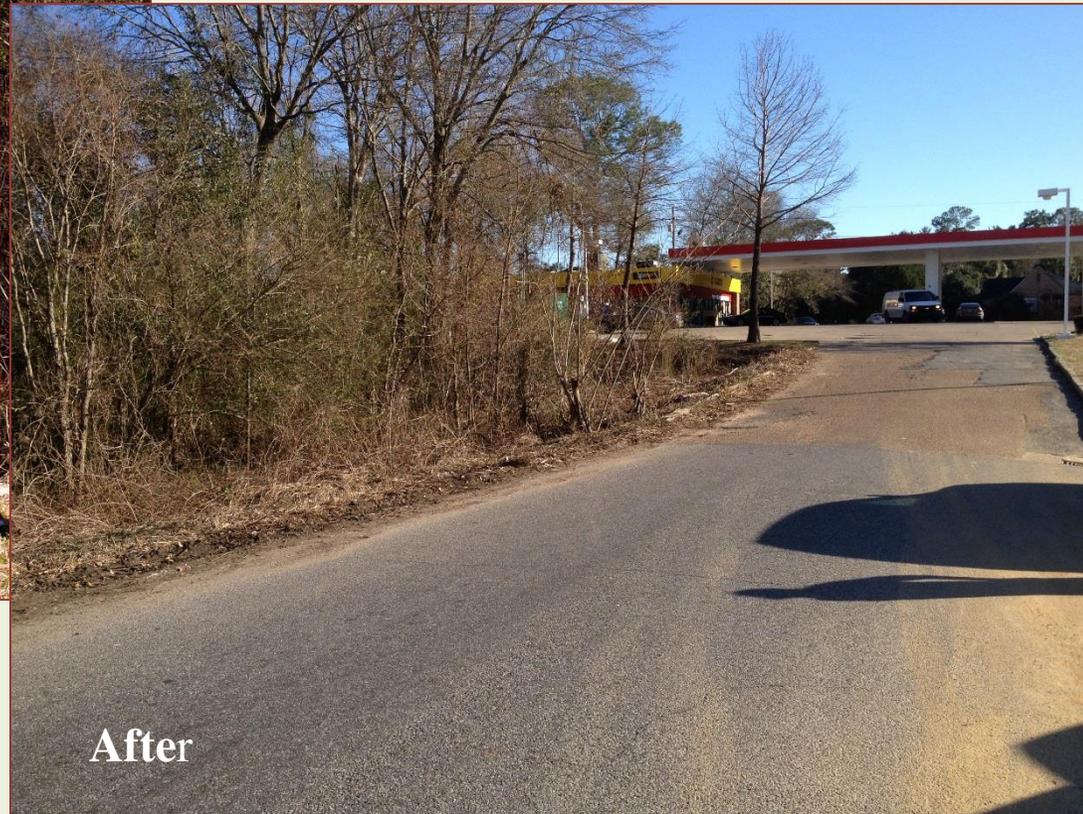


Minky grass in rain garden at Donald E. Davis Arboretum,
Auburn, AL

Use of native plants for
minimal maintenance

Litter Initiative includes new partnerships

Thank you ALDOT



**State Right-of-Way
Rabby Creek @ I-10 & DIP
Dog River Watershed
North gateway to Peninsula**

And ALDOT at the South entrance...



Before

**State Right-of-Way
Mouth of Dog River to Mobile Bay
Popular fishing spot**



After

Clarke's Exxon and Dignity Funeral Home (Pine Crest Cemetery)



Before

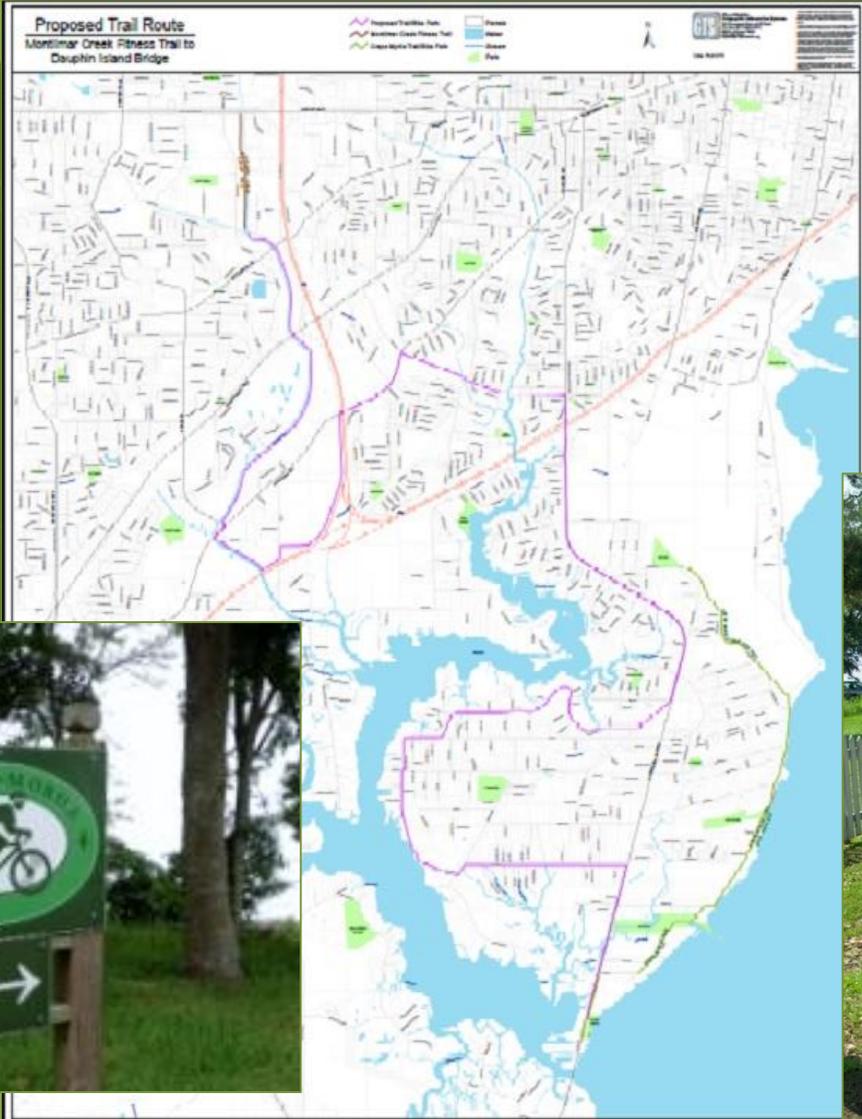


After

Waffle House & next door vacant lot



Trails...



OUR PARTNERS INCLUDE...



- THE BEDSOLE FOUNDATION
- ALDOT
- ALABAMA COASTAL FOUNDATION
- AUBURN UNIVERSITY
- CITY OF MOBILE
- DELTA BIKE PROJECT
- DOG RIVER CLEARWATER REVIVAL
- MOBILE AIRPORT AUTHORITY
- MOBILE BAYKEEPER
- MOBILE BAY NATIONAL ESTUARY PROGRAM
- MOBILE UNITED
- SO. AL SMALL BUSINESS DEVELOPMENT CENTER

