## JOE'S BRANCH



Ashley Campbell City of Daphne Daphne, AL



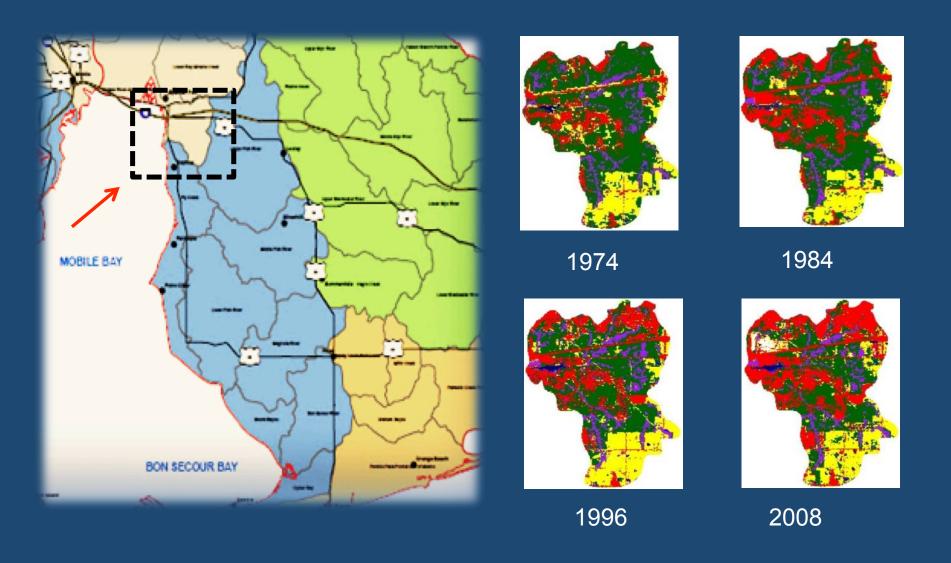
Low Impact Development Summit

April 9-10, 2014

Clanton, AL



# The D'Olive Watershed



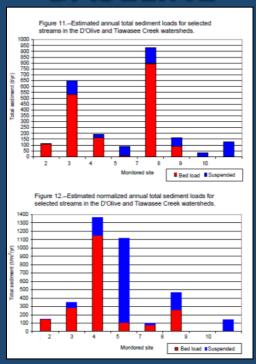
### THE CHALLENGE



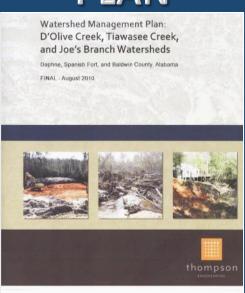
### THE STAKEHOLDERS

- ADCNR
- ADEM
- ALDOT
- AT&T
- Baldwin County
- City of Daphne
- City of Spanish Fort
- CACWP
- Cypress/Spanish Fort LLP
- GSA
- Lake Forest Improvement
   Committee
- Lake Forest POA
- Malbis Properties
- MBNEP
- MASGC
- NRCS
- State Rep Randy Davis
- Tonsmeire Properties
- USACE
- USFWS
- US Rep Joe Bonner

## **BASELINE**



### **PLAN**



## **IMPLEMENTATION**



Westminstor Village - Sw= Store
Could be retrofited with
Green Infrastore to slow the
Storm water down. This could include many phoses.

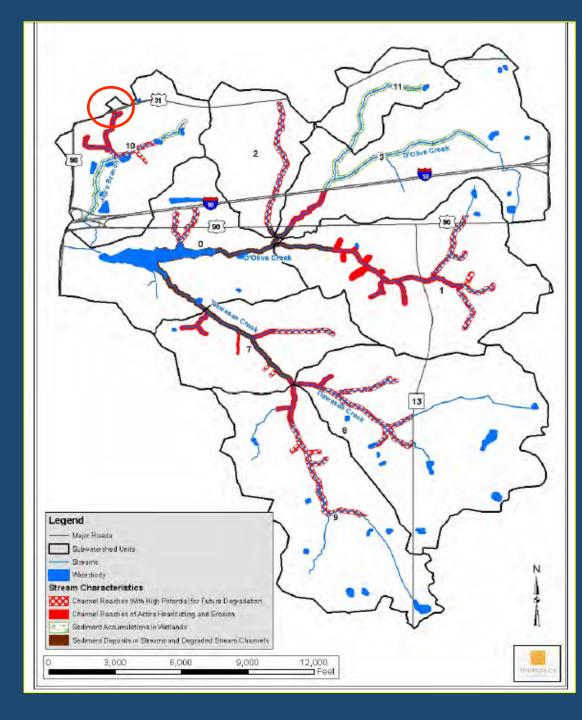
## CRISIS LOOMING...

A tributary to Joe's Branch ...Threatening a highway

#### Enter

- City of Daphne
- City of Spanish Fort
- ALDOT
- Westminster Village (Property Owner)
- GSA
- ADCNR
- MBNEP- Thompson Engineering

ADEM Section 319
Grant



### **COORDINATING EFFORTS**

City of **ALDOT** and **Daphne** Identifies Westminste Problem r Village evaluate situation **ADEM** awards Section 319 grant

City of
Spanish
Fort,
City of
Daphne,
ALDOT,
Westminste
r Village,
MBNEP
brainstorm
solutions

GSA agrees to provide monitoring with funding from

agrees to
provide
\$ match \$ as
leverage for
funding to
undertake
alternative
solution

City of
Spanish Fort
asks MBNEP
to act on behalf
of all parties to
obtain funding
and manage
project

MBNEP hires
Thompson
Engineering
to assist









## THE VALUE OF PARTNERSHIPS







Alabama Department of Environmental Managemen



## CROSS-JURISDICTIONAL PARTNERSHIP

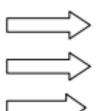
Daphne + Spanish Fort + Baldwin County = D'Olive Intergovernmental Task Force

- Recommended by CWMP
- Guides implementation of CWMP

### A NEW WAY OF MANAGING STORMWATER

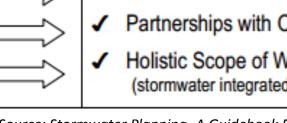
#### TRADITIONAL is defined as:

- Drainage Systems
- Reactive (Solve Problems)
- Engineer-driven
- Protect Property
- Pipe and Convey
- **Bureaucratic Decisions**
- Local Government Ownership
- Narrow Scope of Work (drainage focus only)



#### WATERSHED is defined as:

- Ecosystems
- Proactive (Prevent Problems)
- Interdisciplinary Team-driven
- Protect Property and Resources
- Mimic Natural Processes
- Consensus-based Decisions
- Partnerships with Others
- Holistic Scope of Work (stormwater integrated with land use)



Source: Stormwater Planning- A Guidebook For British Columbia









### The Story Continues...

#### D'Olive Watershed Restoration

#### **Estimated Costs**

Watershed Restoration
13 Stream Segments located in
D'Olive Creek
Joes Branch
Taiwasee Creek

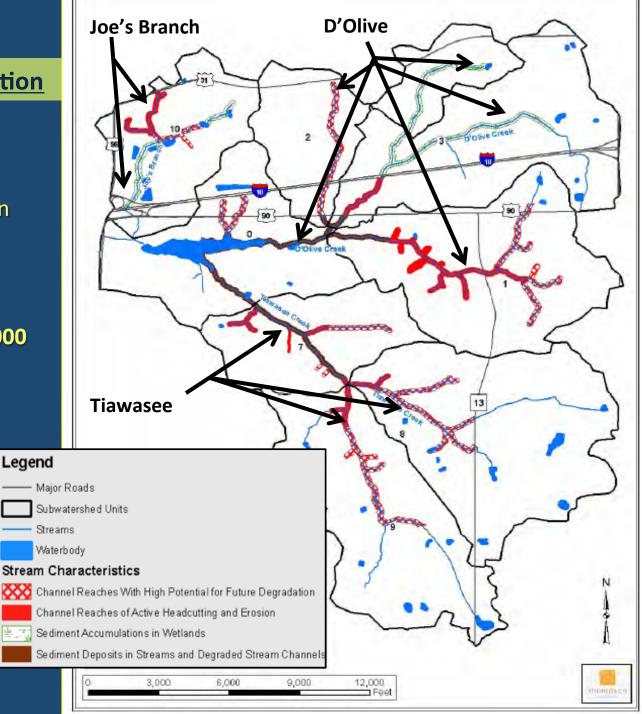
Total: \$6,781,000

#### **Partners**

City of Spanish Fort City of Daphne Baldwin County Private Landowners ALDOT, ADEM, GSA Mobile Bay NEP

Restoration in progress.

Past Investment totals over \$1,100,000



## THE MOBILE BAY NATIONAL ESTUARY PROGRAM

Mission: To promote the wise stewardship of the water quality and living resources of Alabama's estuaries

- Funded by U. S. EPA, State, local governments and private interests
- One of 28 "nationally significant estuaries" in the United States
- In existence for 18 years
- Guided by a Comprehensive Conservation Management Plan (CCMP)
- Coordinates interests and efforts of many to restore past impacts and improve future management of estuarine resources

■ JOE'S BRANCH VIDEO