



MISSISSIPPI RESTORATION SUMMIT

2017



WELCOME
2017 RESTORATION SUMMIT
&
MS TRUSTEE
IMPLEMENTATION GROUP
2017 ANNUAL MEETING



2017 RESTORATION SUMMIT

NEW PROJECTS - ECOLOGICAL

ECOLOGICAL



WATER QUALITY

**COASTAL LIVING &
MARINE RESOURCES**

LAND CONSERVATION

NEW PROJECTS – WATER QUALITY

WATER QUALITY

Water Quality Improvement Program:

- In 2016- \$11,000,000 – RESTORE Direct Component
- In 2016 - \$45,000,000 – RESTORE Oil Spill Impact Component

NEW FOR 2017:

- \$4,000,000 – amendment to RESTORE Oil Spill Impact Component

TOTAL INVESTMENT IN WATER QUALITY IMPROVEMENT: \$4,000,000

NEW PROJECTS — COASTAL LIVING AND MARINE RESOURCES

COASTAL LIVING AND MARINE RESOURCES

Existing Projects Amended:

- Pascagoula Oyster Reef Complex: \$600,000 amended to existing project (TOTAL project: \$4.1 million)

New Projects for 2017:

- Remote Setting Oyster Facility: \$9,360,000
- Gulf of Mexico Citizen Led Initiative: \$1,900,000
- Utilization of Beneficial Use of Dredge Materials – Phase II: \$23.6 million
- Round Island Living Shoreline and Expansion Design: \$2,200,000
- Reef Fish – Phase II: \$2,346,900
- USM Marine Science Center: \$2,000,000

TOTAL INVESTMENT IN COASTAL LIVING AND MARINE RESOURCES: +/- \$42,000,000

NEW PROJECTS — LAND CONSERVATION

LAND CONSERVATION

New Projects for 2017:

- Pascagoula River Corridor Acquisition: \$11,849,800
- Coastal Headwater Acquisition Program: \$8,000,000

TOTAL INVESTMENT IN LAND CONSERVATION: +/- \$20,000,000

NEW PROJECTS - ECONOMIC

INFRASTRUCTURE IMPROVEMENTS & TOURISM

\$11,750,000

- Trent Lott Runway expansion: \$6,850,000
- Bernard Bayou Bulkhead: \$3,400,000
- Wayfinding Signage: \$1,000,000
- Bayou Casotte Industrial Buffer Concept – Planning: \$500,000

WORKFORCE DEVELOPMENT

\$3,200,000

- Pearl River Community College: \$2,500,000
- Gulf Coast Small Business Incubator Capacity Enhancement: \$700,000

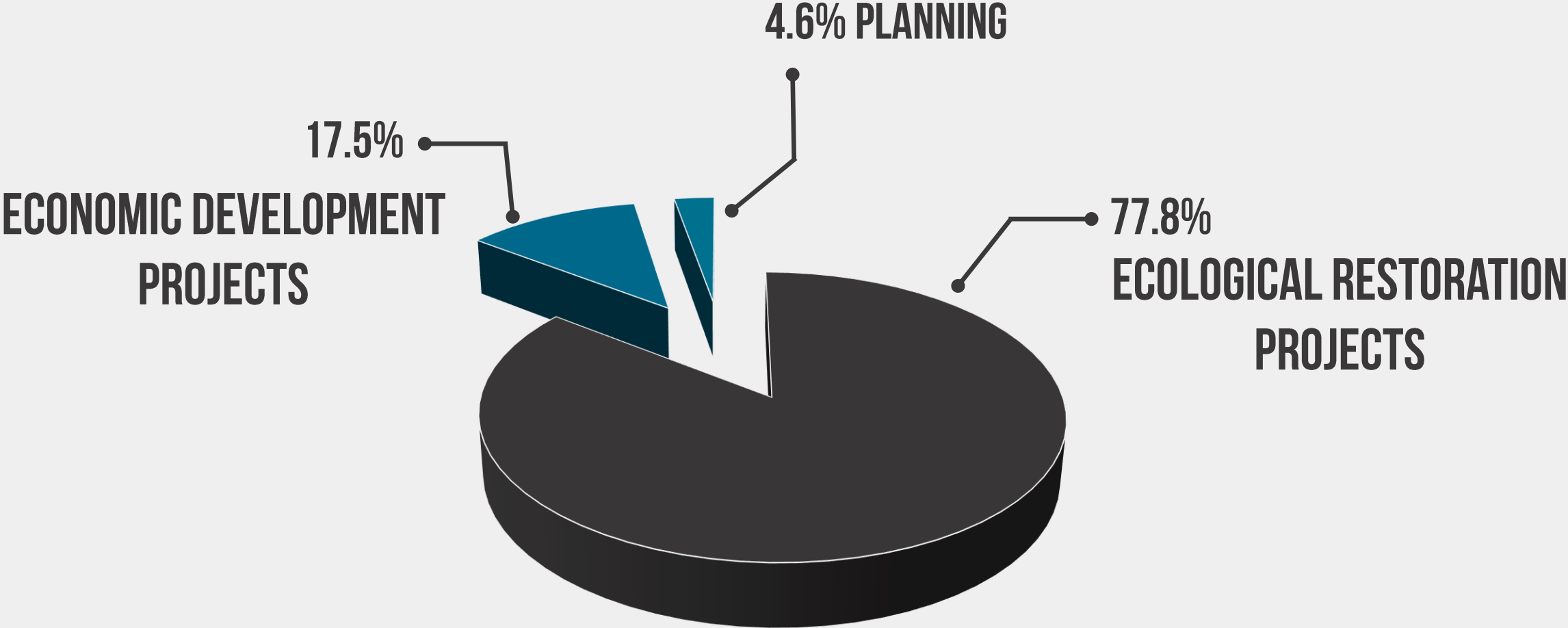
PLANNING

\$3,914,100

- MIP Planning Amendment: \$500,000
- SEP Coordination and Compatibility Planning: \$1,800,000
- NFWF – Mississippi Comprehensive Ecosystem Restoration Planning - Phase II: \$1,514,100



NEW PROJECTS – INVESTMENT



EXISTING PROJECT UPDATES



EXISTING PROJECTS

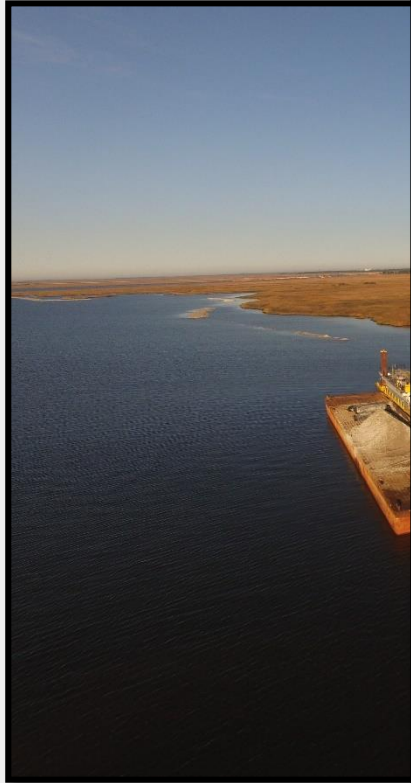
INFINITY SCIENCE CENTER



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EXISTING PROJECTS

HANCOCK COUNTY MARSH LIVING SHORELINE



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EXISTING PROJECTS

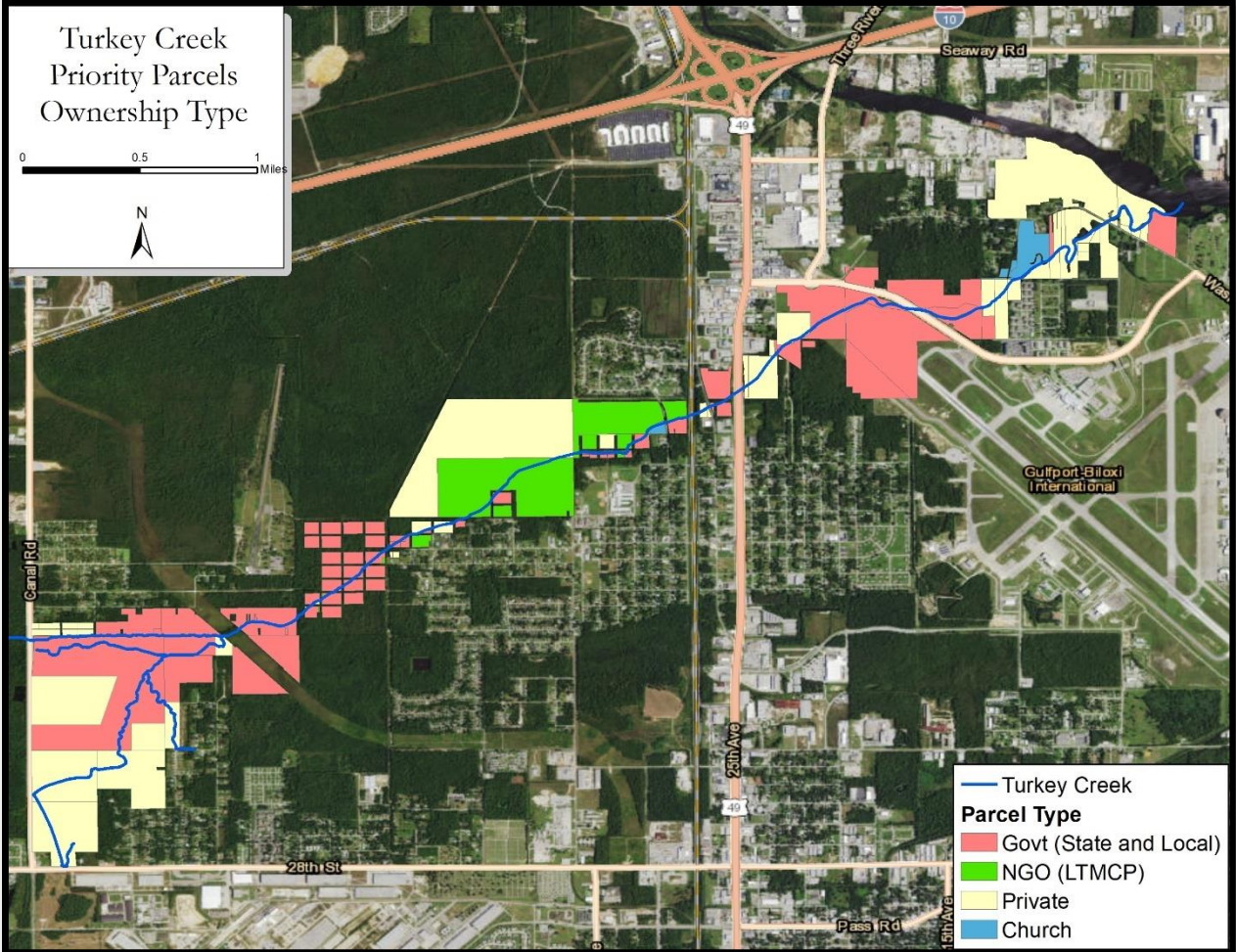
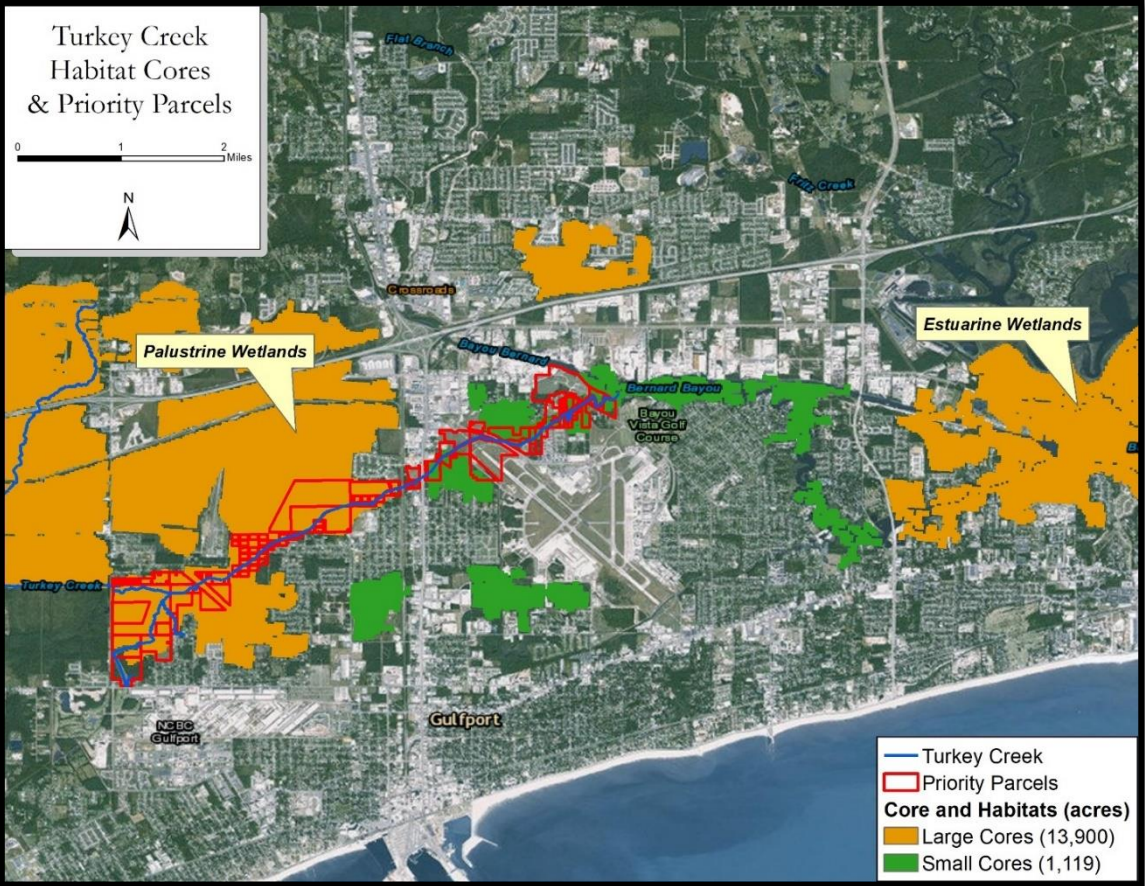
MISSISSIPPI AQUARIUM



2017 RESTORATION SUMMIT

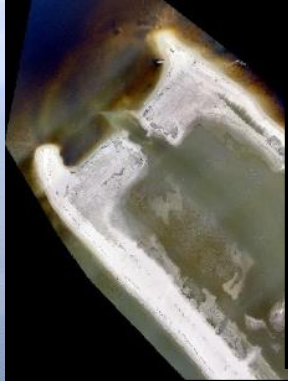
EXISTING PROJECTS

TURKEY CREEK RESTORATION



EXISTING PROJECTS

ROUND ISLAND RESTORATION AREA



UPDATE ON A STAKEHOLDER PRIORITY



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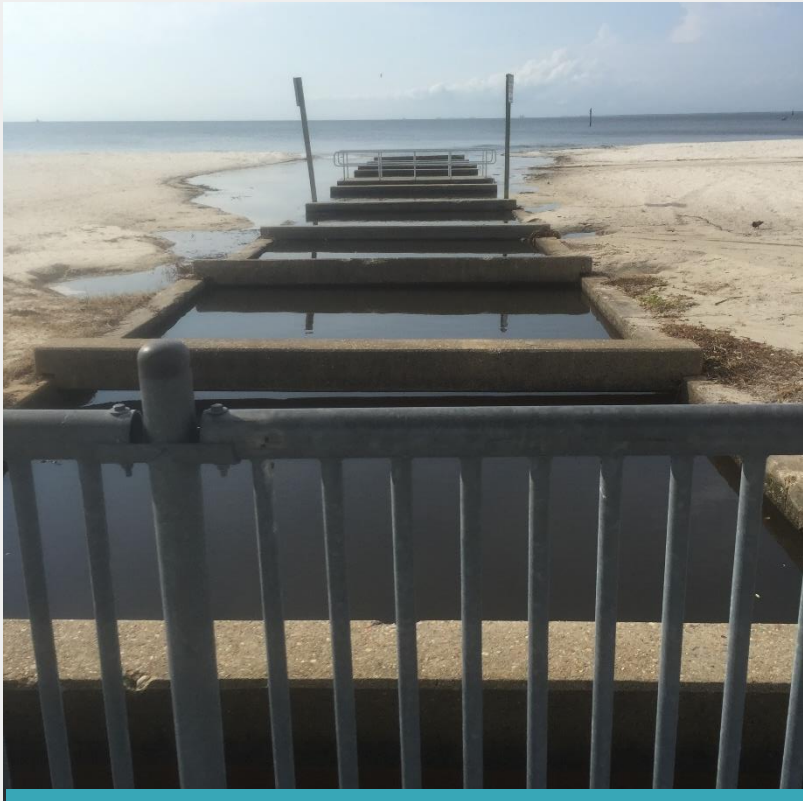
WATER QUALITY IMPROVEMENT PROGRAM



**RESTORE
B1
+
RESTORE
B3**



WATER QUALITY IMPROVEMENT PROGRAM



URBAN
Infrastructure



RURAL
Improving water
quality & quantity
through land
conservation

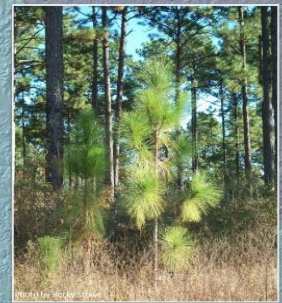


Water Quality Improvement

- Two-Pronged Approach
- Watershed Health through Land Conservation
 - Urban Infrastructure Improvements



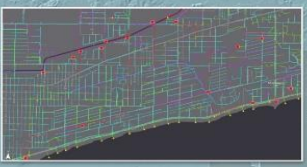
Conserve and Restore Coastal Lands



Protect Water Resources



Repair Failing Infrastructure in Identified Areas

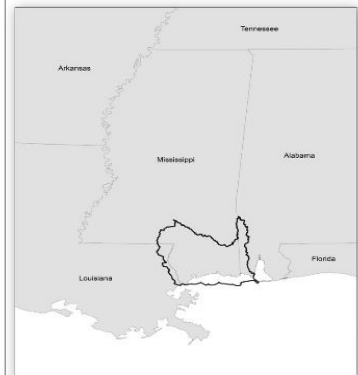


Enhanced Water Quality Monitoring of Discharges to Isolate Problem Areas

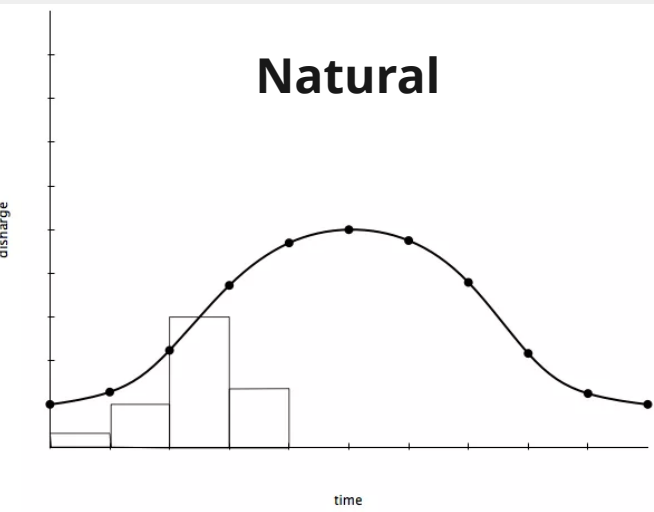
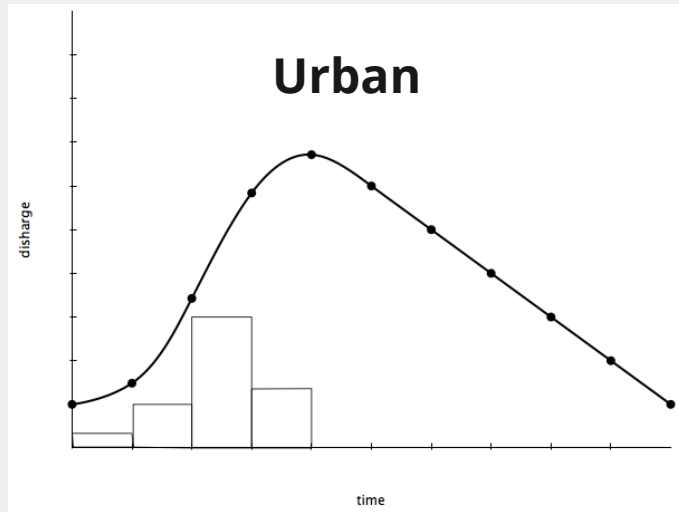
Sustaining Coastal and Marine Resources

Downstream Benefits

Downstream Benefits



IN-SHORE WATER QUALITY: UNDERSTANDING THE PROBLEM



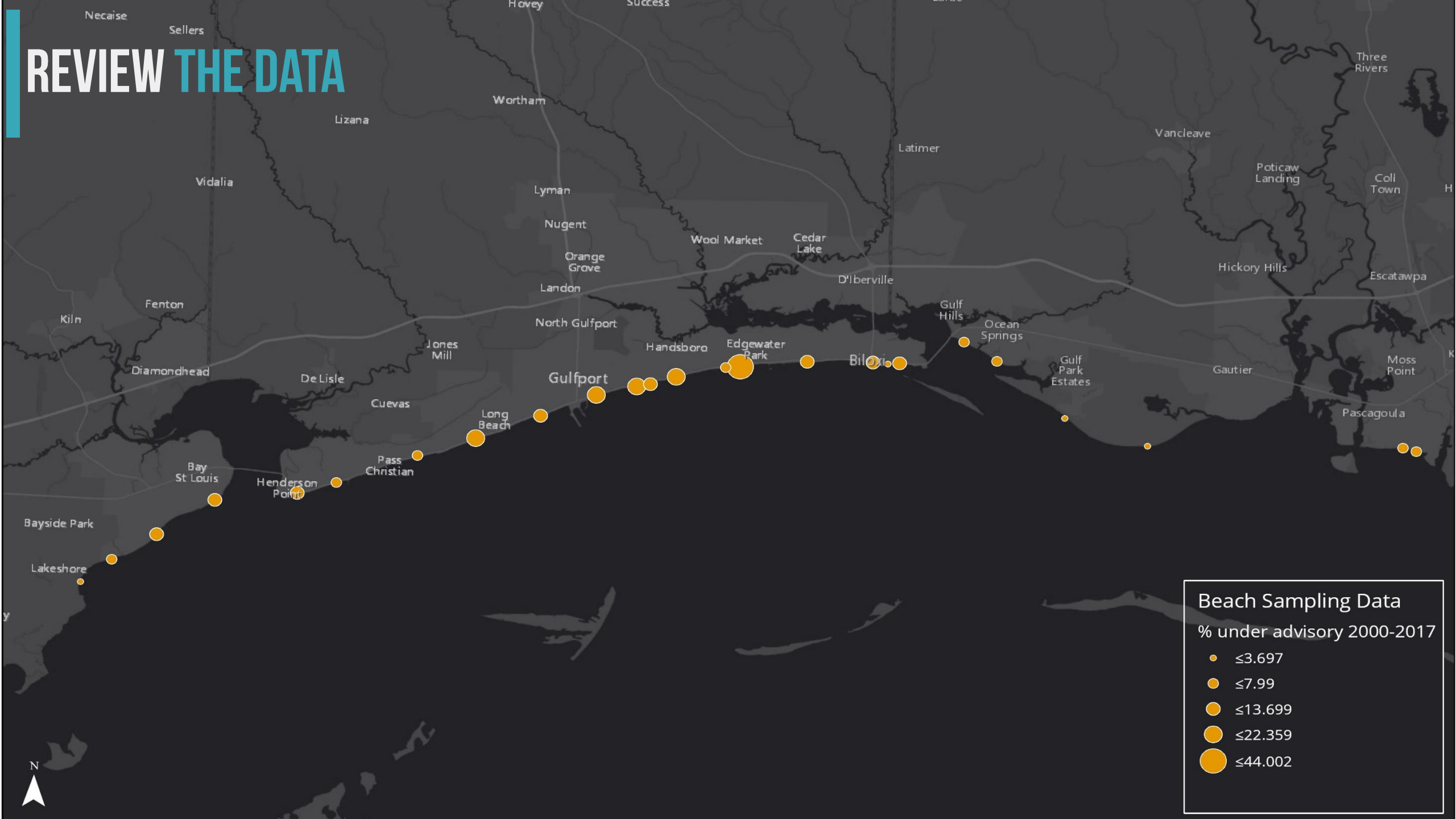
PROCESS TO ACHIEVE IN-SHORE WATER QUALITY GOAL

Review of Current Data

Analyze MDEQ beach monitoring data to assess trends and problem areas



REVIEW THE DATA



Beach Sampling Data
% under advisory 2000-2017

- ≤3.697
- ≤7.99
- ≤13.699
- ≤22.359
- ≤44.002



PROCESS TO ACHIEVE IN-SHORE WATER QUALITY GOAL

Build More Data to Assess the Problem

Expand bacterial monitoring

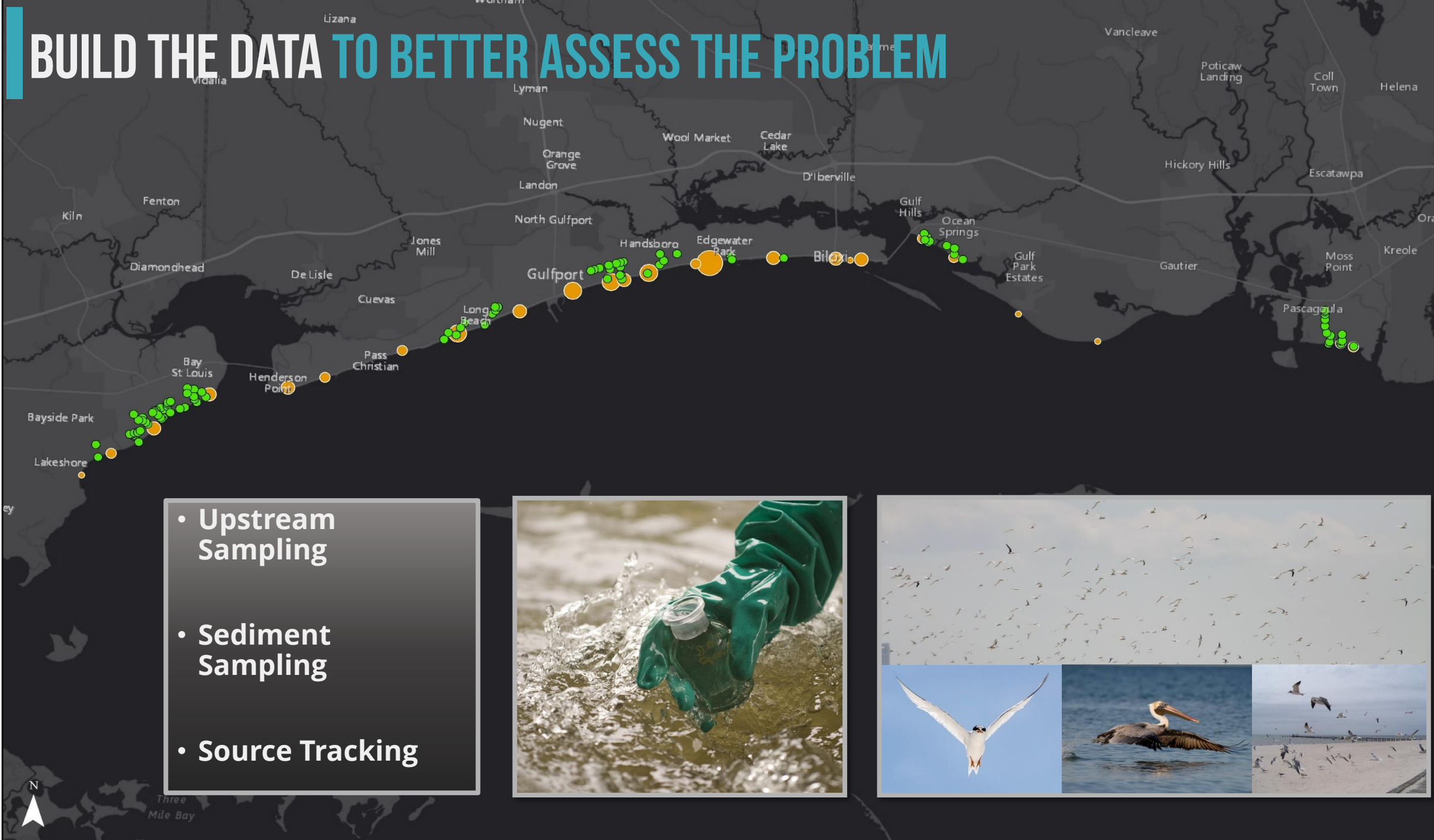
- Upstream
- Sediment
- Source tracking

Review of Current Data

Analyze MDEQ beach monitoring data to assess trends and problem areas



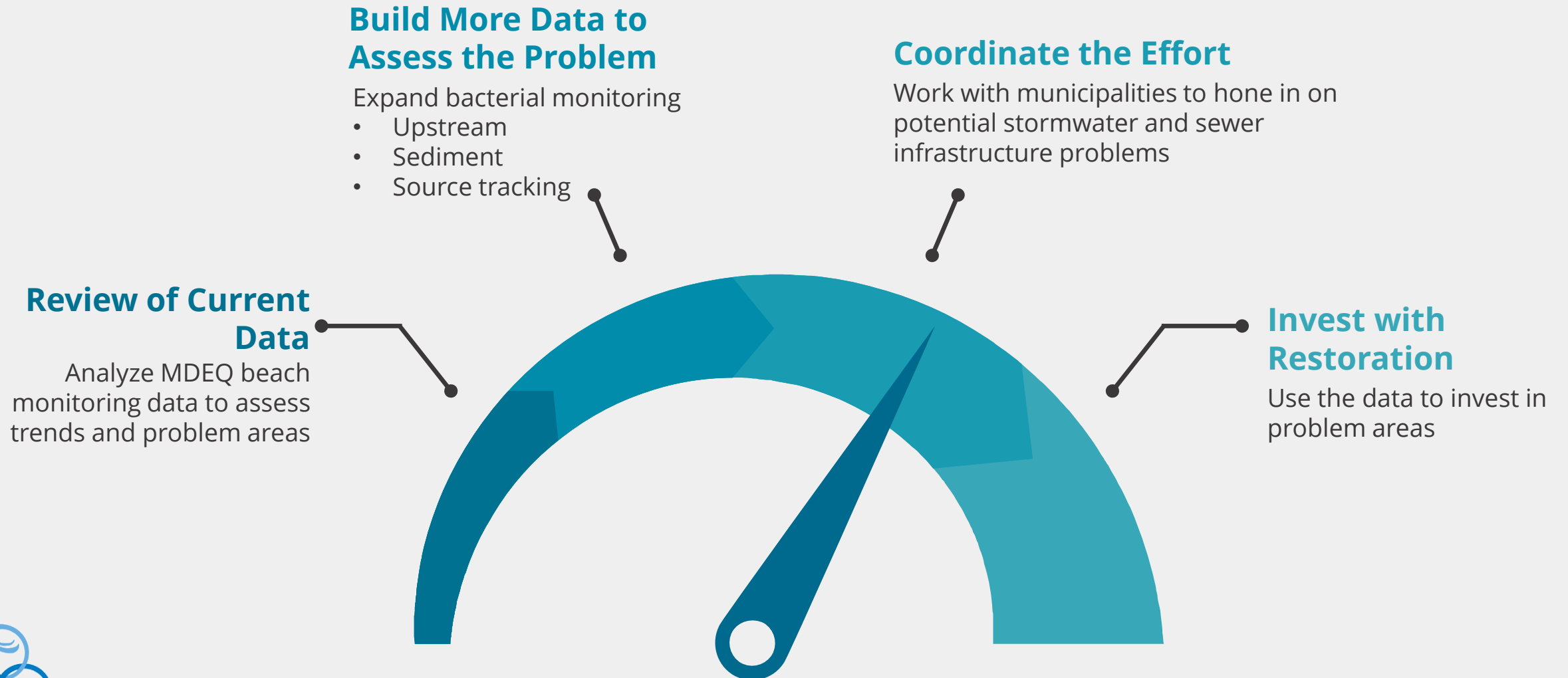
BUILD THE DATA TO BETTER ASSESS THE PROBLEM



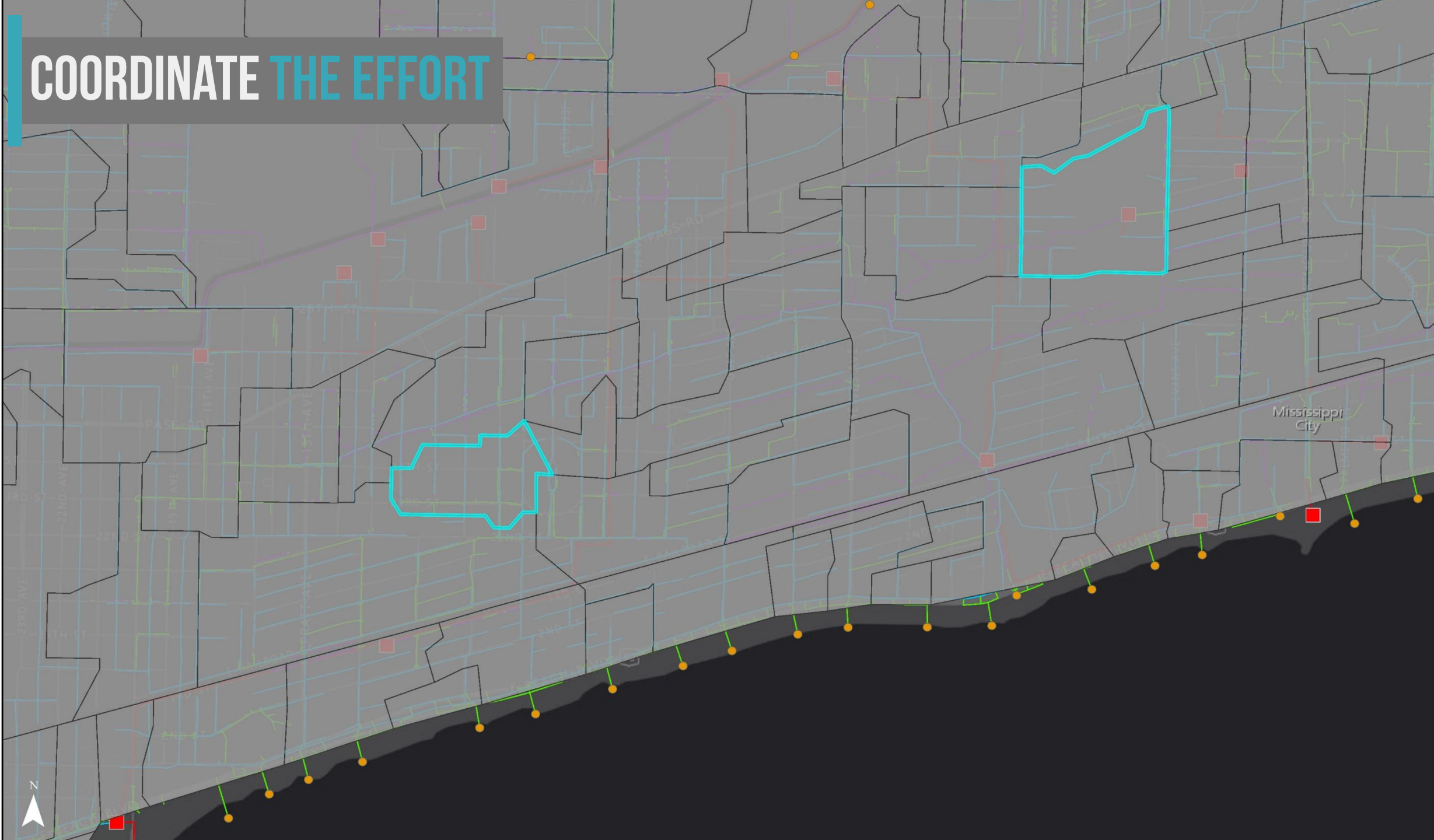
- Upstream Sampling
- Sediment Sampling
- Source Tracking



PROCESS TO ACHIEVE IN-SHORE WATER QUALITY GOAL

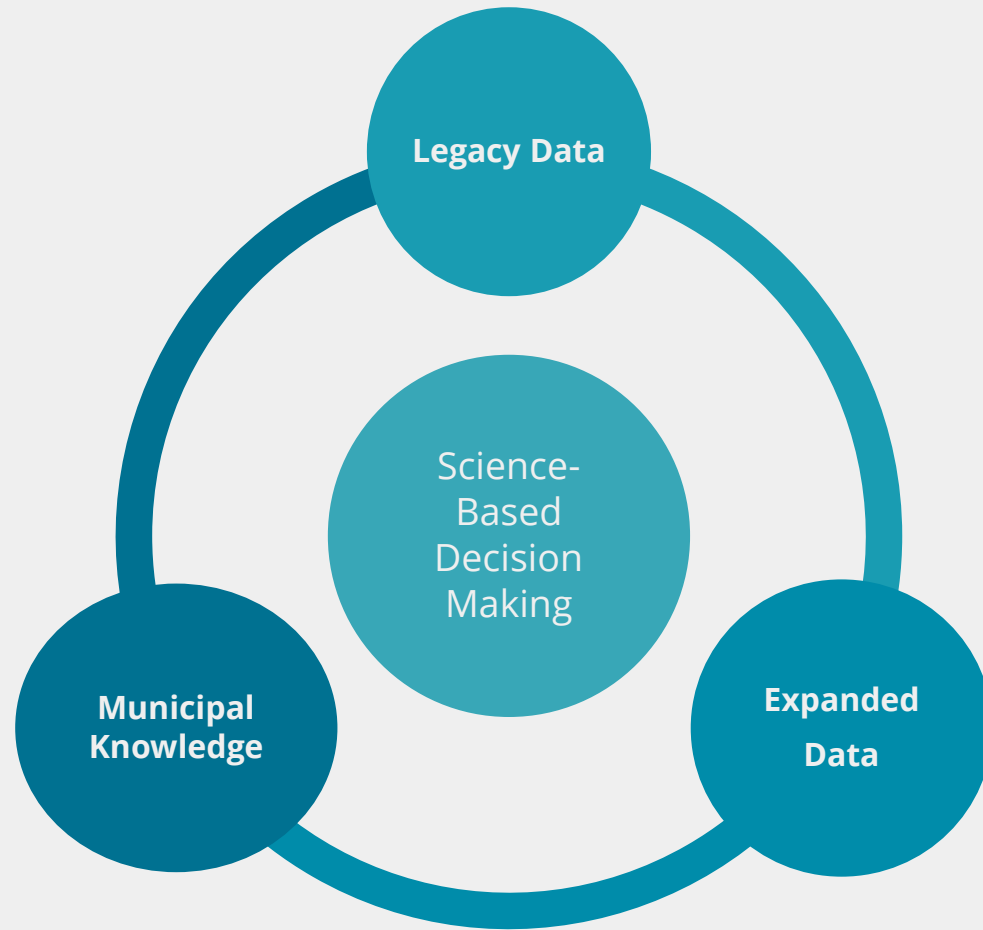


COORDINATE THE EFFORT





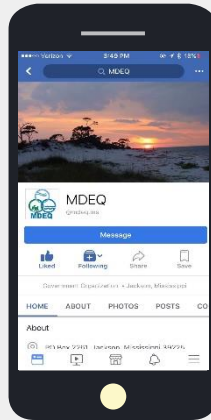
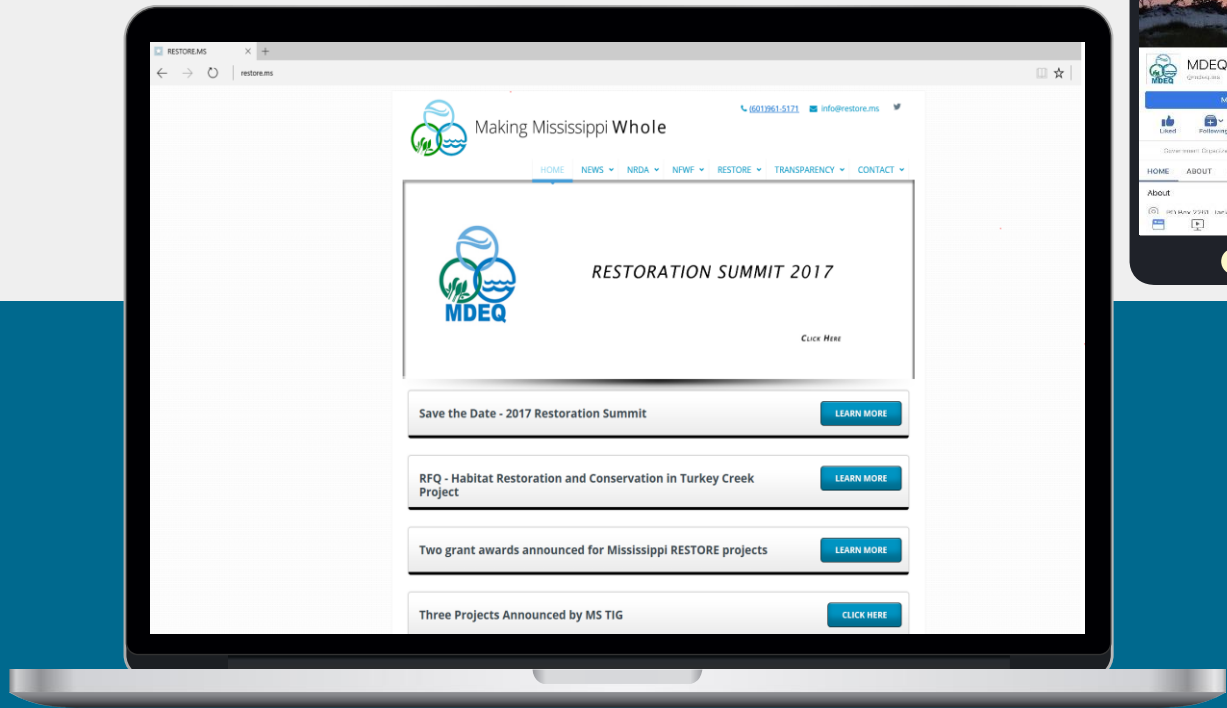
RESTORATION INVESTMENT



\$60 MILLION INVESTMENT

- RESTORE B3: \$49 MILLION
- RESTORE B1: \$11 MILLION





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