



Deepwater Horizon Oil Spill
Alabama Trustee Implementation Group

2018 Annual Meeting

**Draft Restoration Plan II and
Environmental Assessment:**

***Restoration of Wetlands, Coastal, and Nearshore Habitats; Habitat Projects on Federally Managed
Lands; Nutrient Reduction (Nonpoint Source); Sea Turtles; Marine Mammals; Birds; and Oysters***

Public Meeting
April 18, 2018

Tonight's Agenda

- Welcome and Introductions
- DWH NRDA Overview
- Alabama TIG 2018 Annual Meeting:
TIG Update
- Overview of Draft Restoration Plan II
and Environmental Assessment
- Your Comments

Sources of DWH Oil Spill Funding

NRDA
(Natural Resource Damage
Assessment)
Oil Pollution Act
\$296 million

NFWF
(National Fish & Wildlife
Foundation)
CWA Criminal
\$356 million

RESTORE Act
(Alabama Gulf Coast
Recovery Council)
“Alabama Council”
CWA Civil
\$725 million

RESTORE Act
(Gulf Coast Ecosystem
Restoration Council)
“Federal Council”
CWA Civil

DWH RESTORATION IN ALABAMA

Project Category	Funding Approved 2012-2017	Pending Approval	Totals
Habitat Conservation and Restoration	\$145,303,723	\$14,854,033	\$160,157,756
Recreational Improvements	\$90,125,415	-	\$90,125,415
Marine Resources (Marine Mammals, Sea Turtles, Oysters, Fisheries, Birds)	\$31,280,774	\$13,179,541	\$44,460,315
Planning and MAM	\$31,217,771	\$3,275,884	34,493,655
Water Quality (Nutrient Reduction)	-	\$3,479,090	\$3,479,090
RESTORE Buckets 1 & 3 (AGCRC)	-	\$315,328,327	\$315,328,357
Totals	\$297,927,683	\$350,146,875	\$648,074,558

Objective of NRDA

To make the environment and public whole for injuries to natural resources and services resulting from an incident involving a discharge or substantial threat of discharge of oil.
(15 CFR § 990.10)

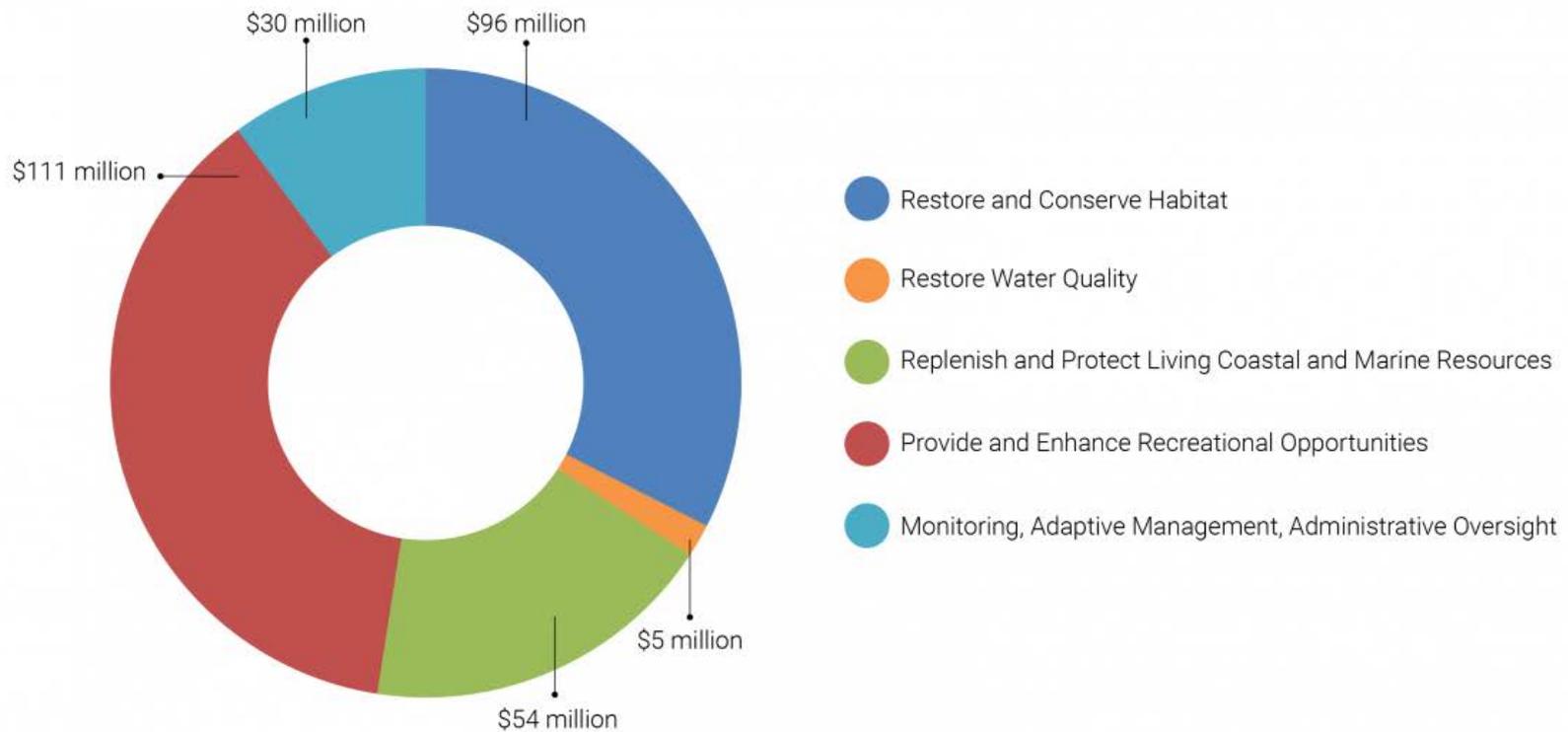


Alabama Trustee Implementation Group

- Alabama Department of Conservation and Natural Resources
- Geological Survey of Alabama
- National Oceanic and Atmospheric Administration
- U.S. Department of the Interior
- U.S. Environmental Protection Agency
- U.S. Department of Agriculture



Alabama TIG Funding Allocation





Project Updates

Early Restoration & Restoration Plan I



Early Restoration Projects

-  Alabama Dune Restoration (multiple locations)
-  Restoring the Night Sky (AL sites only; multiple locations)
-  Bon Secour National Wildlife Refuge Trail Enhancement
-  Avian Breed Habitat (AL sites only; multiple locations)
-  Marsh Island (Portersville Bay) Restoration Project
-  Osprey Restoration (multiple locations)
-  Swift Tract Living Shoreline Project
-  Point aux Pins Living Shoreline
-  Oyster Reef Restoration
-  Gulf State Park Enhancement Project

Restoration Plan I Projects

-  Bayfront Park
-  Dauphin Island Access: Mid-Island Parks (B & C)
-  Dauphin Island Eco Tourism
-  Fort Morgan Pier Replacement
-  Gulf State Park Lodge and Associated Public Access Amenities Project
-  Laguna Cove/Little Lagoon

**Alabama NRDA
Project Locations**

April 16, 2018

Coordinate System:
North America Equidistant Conic
Datum: North American 1983



Early Restoration Updates

Project	Cost	Status
Alabama Dune Restoration Cooperative Project	\$1,480,000	Monitoring
Marsh Island (Portersville Bay) Restoration Project	\$11,280,000	Monitoring
Enhanced Management of Avian Breeding Habitat (3 states)	\$151,594	Complete
Improving Habitat Injured by the Spill Response: Restoring the Night Sky	\$350,000	Implementation
Alabama Swift Tract Living Shoreline	\$5,000,080	Monitoring
Alabama Oyster Cultch Restoration	\$3,239,485	Monitoring
Gulf State Park Enhancement Project	\$29,221,713	Implementation
Bon Secour NWR Trail Enhancement Project	\$545,110	Monitoring
Osprey Restoration in Coastal Alabama	\$50,580	Monitoring
Point aux Pins Living Shoreline	\$2,300,000	Engineering and Design
Shell Belt and Coden Belt Roads Living Shoreline	\$8,050,000	Discontinued
Early Restoration Total	\$53,612,982	

RP I Project Updates

Project	Cost	Status
Gulf State Park Lodge and Associated Public Access Amenities Project	\$56,300,000	Under Construction
Fort Morgan Pier Rehabilitation	\$3,075,000	Engineering and Design
Laguna Cove Little Lagoon Natural Resource Protection	\$4,400,000	Planning
Bayfront Park Restoration and Improvement (E&D)	\$1,000,000	Planning
Dauphin Island Eco-Tourism and Environmental Education Area	\$4,000,000	Planning
Mid-Island Parks and Public Beach Improvements	\$1,900,000	Planning
RPI Project Total	\$70,675,000	



Draft Restoration Plan II and Environmental Assessment:

***Restoration of Wetlands, Coastal, and
Nearshore Habitats; Habitat Projects on
Federally Managed Lands; Nutrient Reduction
(Nonpoint Source); Sea Turtles; Marine
Mammals; Birds; and Oysters***

RPII/EA Overview

- **Focuses on the following Restoration Types:**
 - **Wetlands, Coastal, and Nearshore Habitats**
 - **Habitat Projects on Federally Managed Lands**
 - **Nutrient Reduction**
 - **Sea Turtles**
 - **Marine Mammals**
 - **Birds**
 - **Oysters**
- **Describes robust screening process to determine the reasonable range of alternatives**
- **Evaluates the alternatives under both OPA and NEPA**
- **Proposes funding twenty-two alternatives**

Project Screening Process

**Step 1 – Initial OPA Eligibility Screen:
566 Total Projects
Appendix A**



**Step 2 – Initial Project Screening Criteria
Appendix B**



Step 3 – Project Specific Screening Criteria



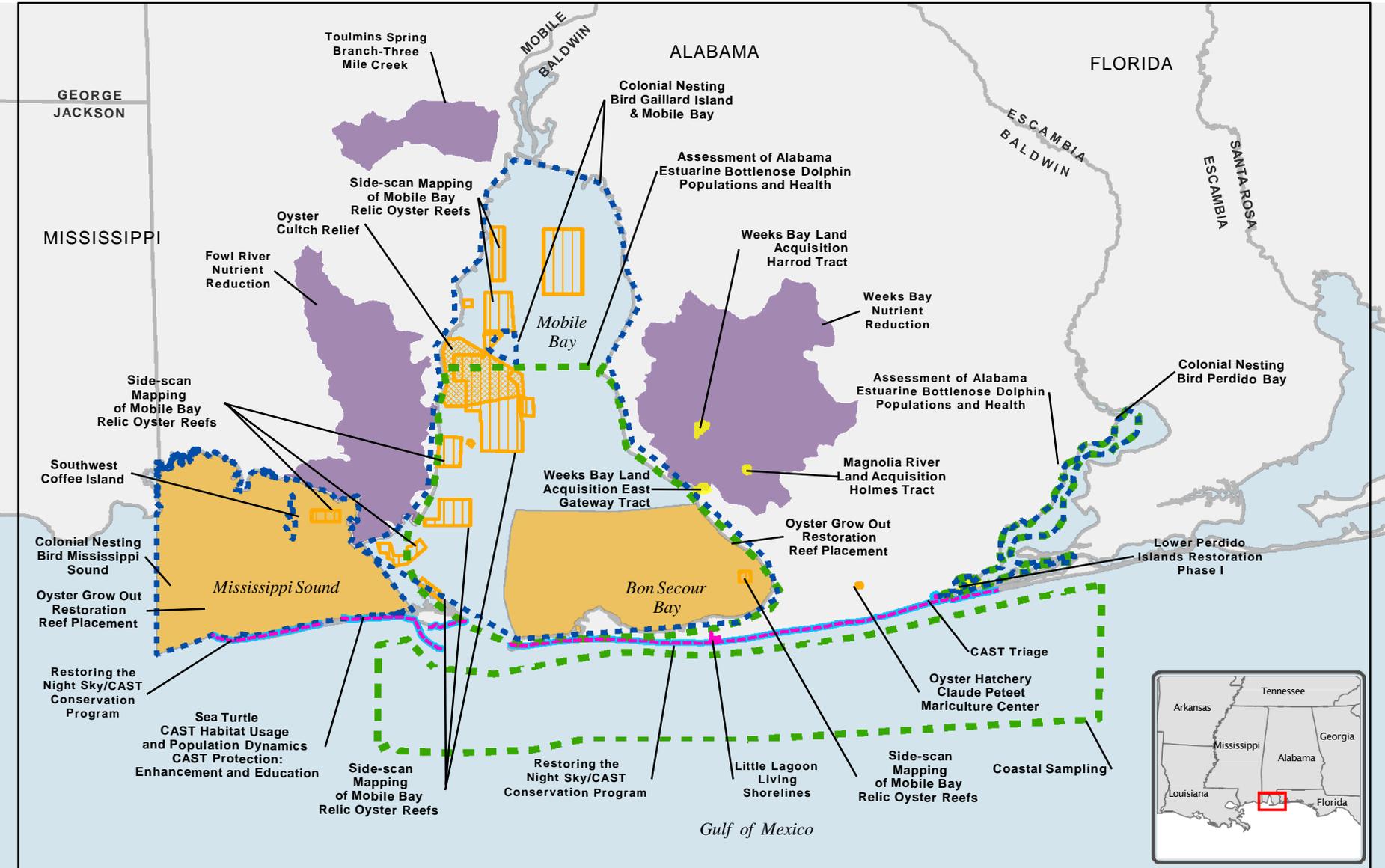
Step 4 – Identify Reasonable Range of Alternatives



**RESULT: 26 projects for detailed evaluations →
22 preferred alternatives totaling \$35,051,153**

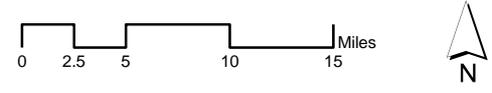


**Preferred Alternatives:
Projects and Activities Proposed
for Implementation in
Draft RPII/EA**



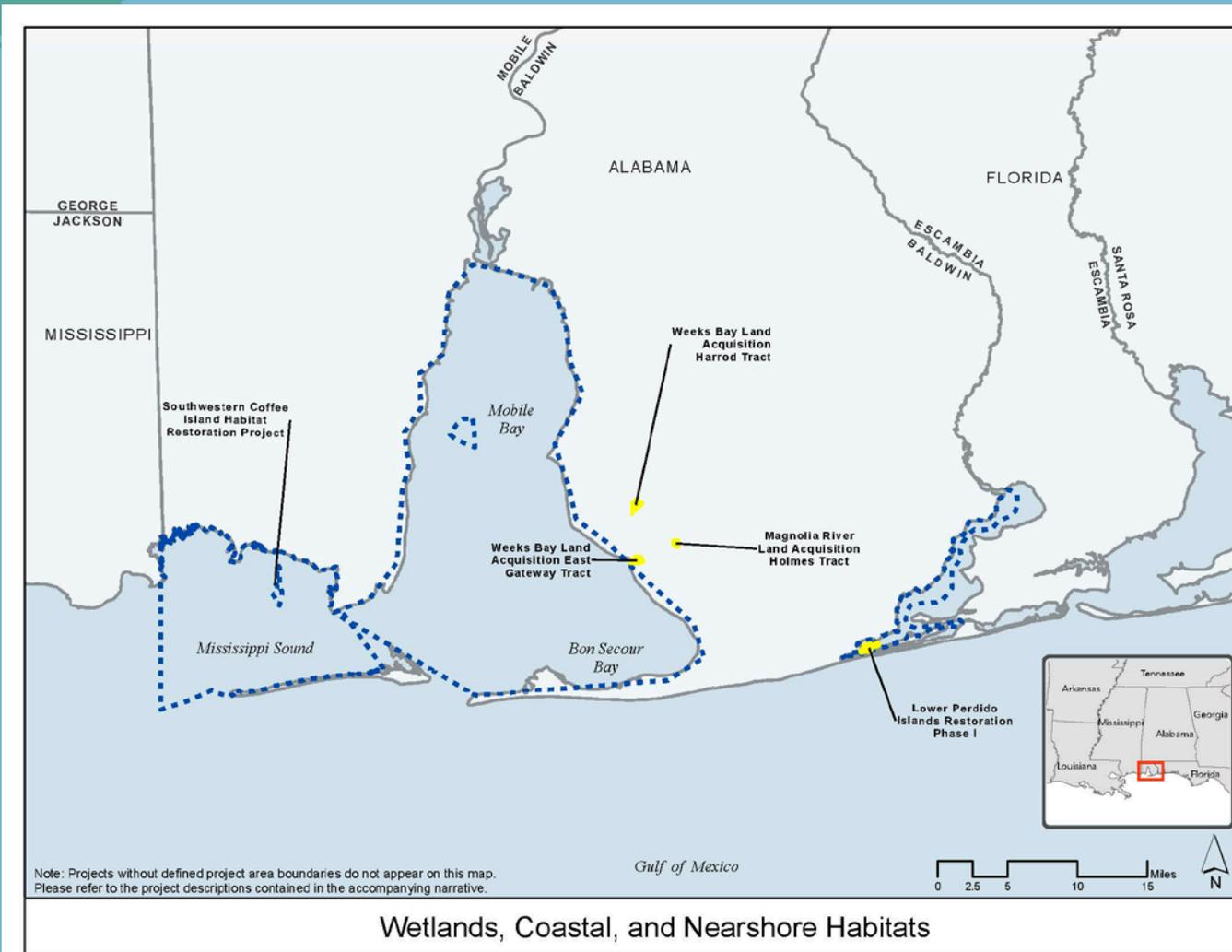
- WCNH
- HFML
- Nutrient Reduction (Non-Point Source)
- Sea Turtles
- Oysters
- Birds
- Marine Mammals

Alabama Coastal Restoration Projects



Note: Projects without defined project area boundaries do not appear on this map. Please refer to the project descriptions contained in the accompanying narrative.

Projects Proposed for Wetlands, Coastal and Nearshore Habitats



Wetlands, Coastal, and Nearshore Habitats

Wetlands, Coastal, and Nearshore Habitats

Priority Activities

- Habitat acquisition (~486 acres)
- Habitat restoration, creation and/or enhancement
- Engineering and design activities

Projects:

Magnolia River Land Acquisition: Holmes Tract (\$4,144,162)

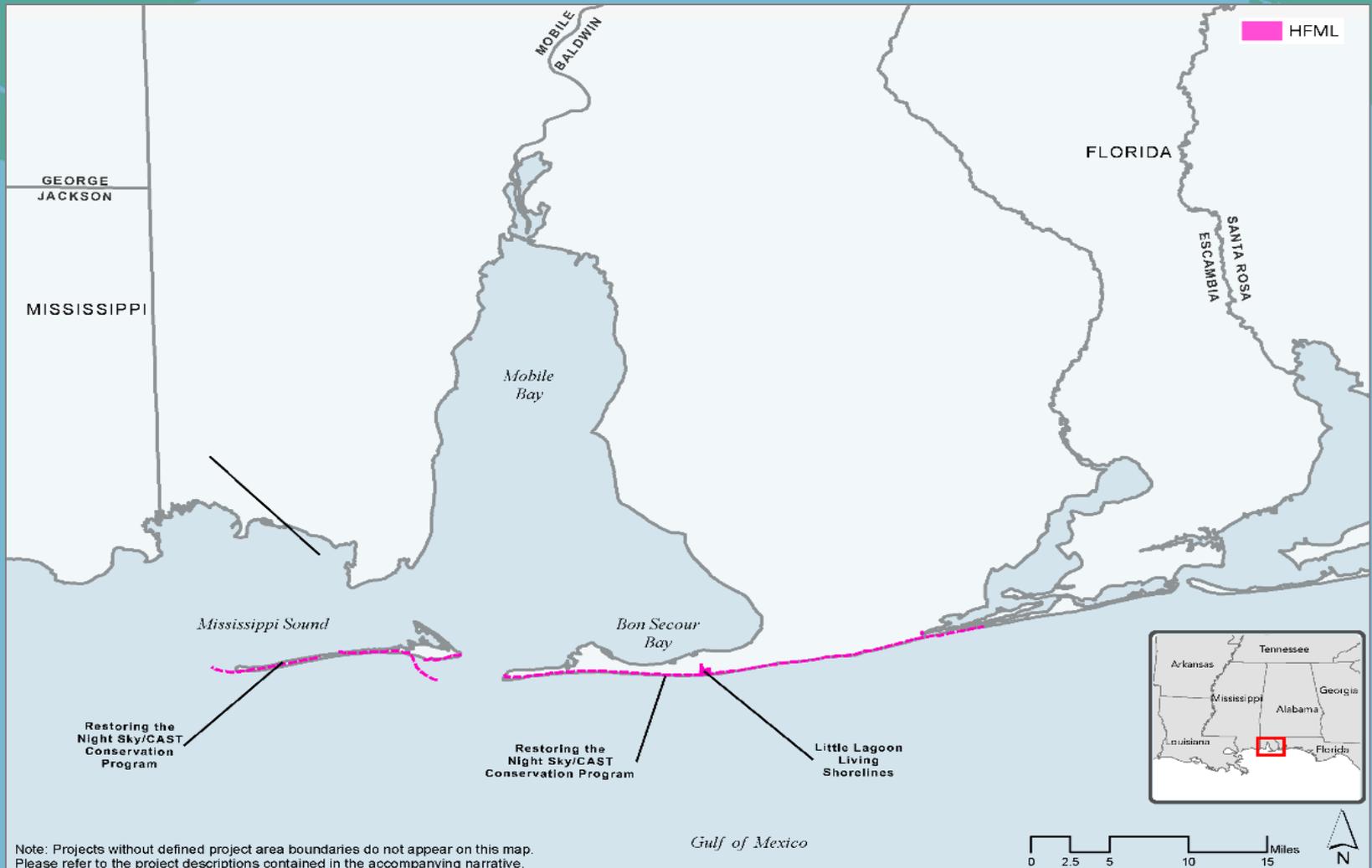
Weeks Bay Land Acquisition: Harrod Tract (\$3,606,900)

Weeks Bay Land Acquisition: East Gateway Tract (\$4,247,000)

Lower Perdido Islands Restoration - Phase I (\$994,523)

Southwest Coffee Island Habitat Restoration Project - Phase I (\$825,225)

Projects Proposed for Habitat Projects on Federally Managed Lands



Habitat Projects on Federally Managed Lands

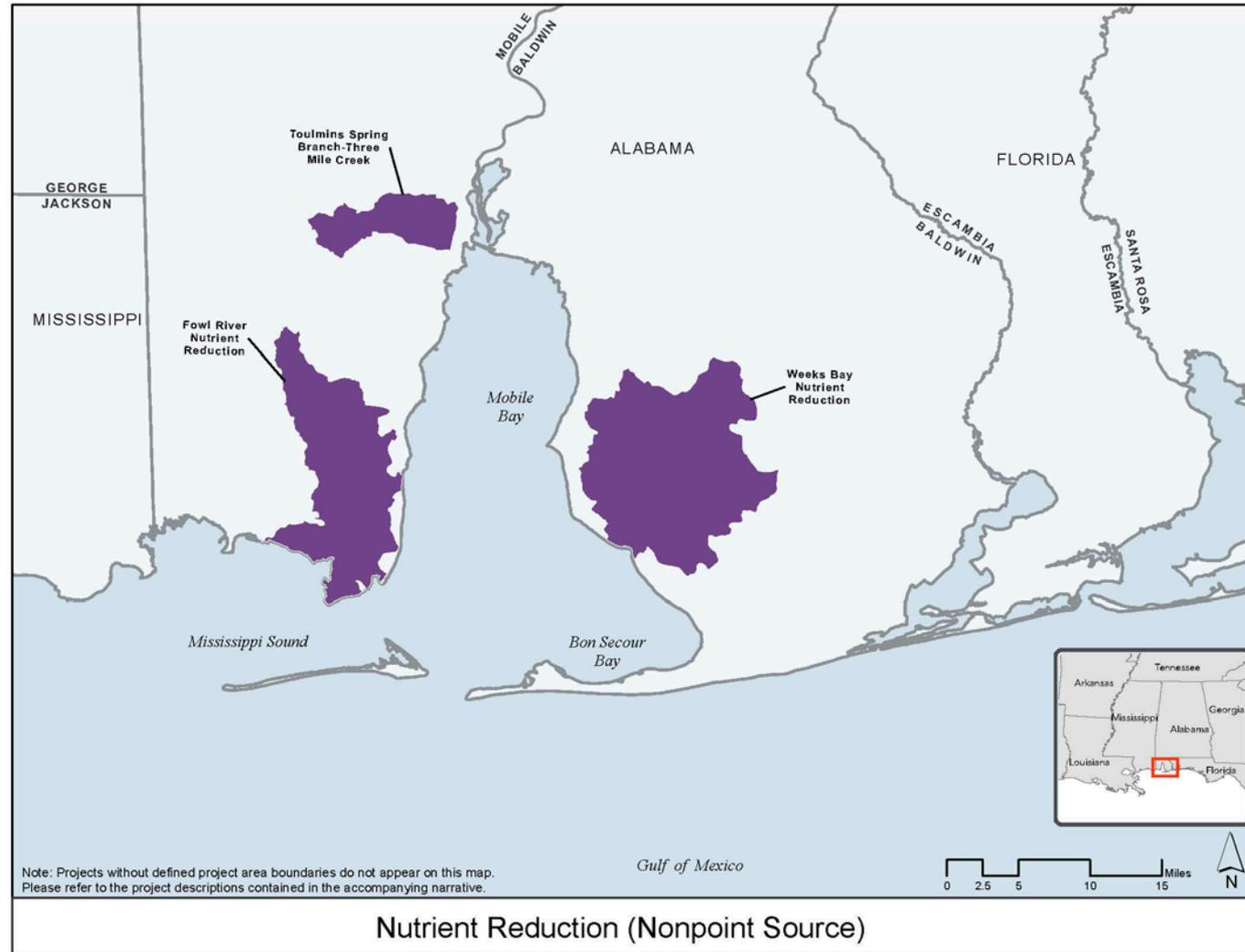
Priority Activities

- Living shoreline E&D and construction in Little Lagoon
- Lighting Assessment on Federally Managed Lands

Projects:

- Little Lagoon Living Shoreline (\$210,999)
- Restoring the Night Sky—Assessment, Training, and Outreach (\$183,003)

Projects Proposed for Nutrient Reduction



Nutrient Reduction

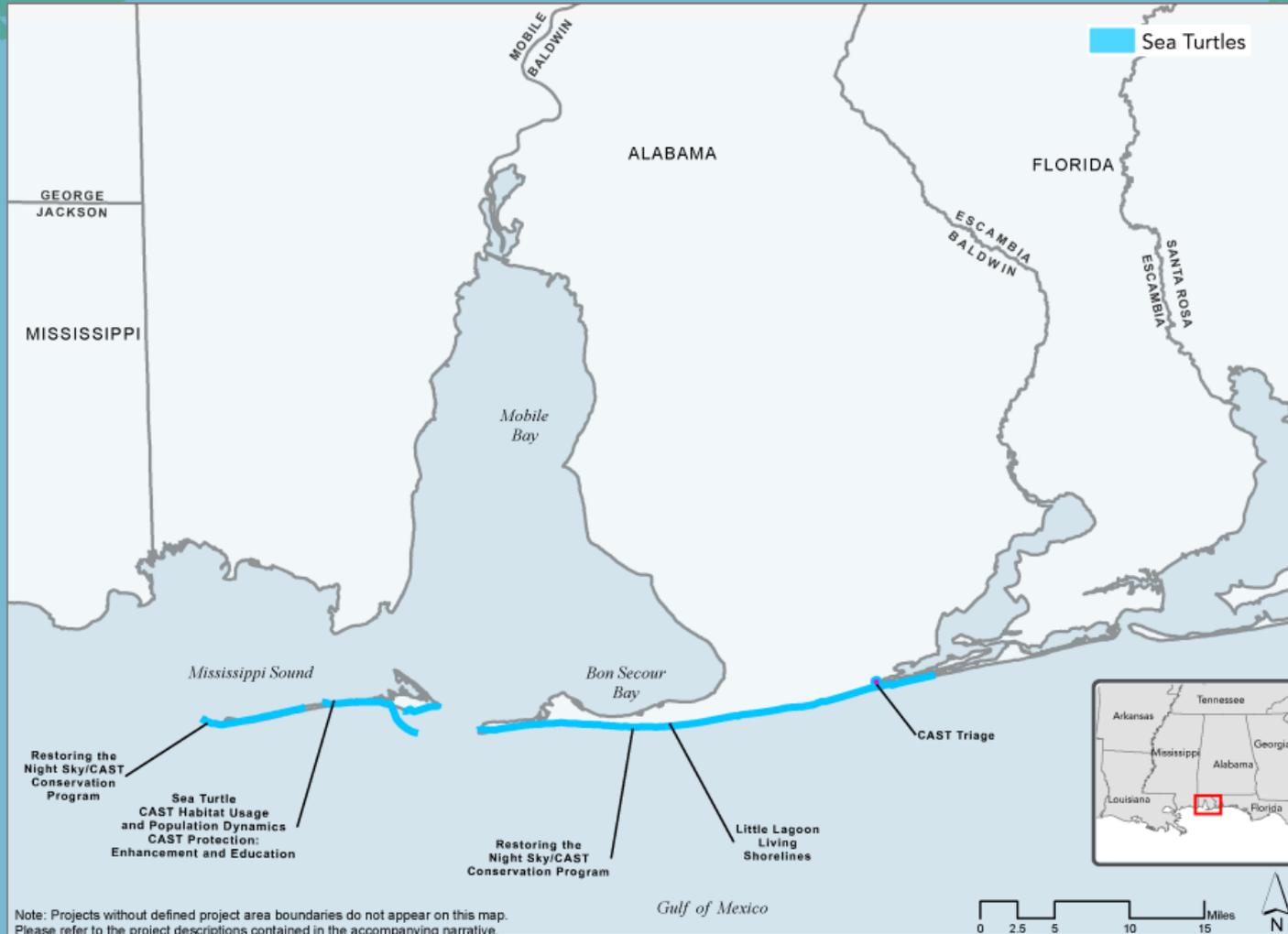
Priority Activities

- Engineering & design for BMPs that will reduce nutrients and pollutants
- Implementation of improved land management practices that reduce nutrient and sediment loads to Mobile Bay

Projects:

- Toulmins Spring Branch Engineering and Design (\$479,090)
- Fowl River Nutrient Reduction (\$1,000,000)
- Weeks Bay Nutrient Reduction (\$2,000,000)

Projects Proposed for Sea Turtles



Sea Turtles

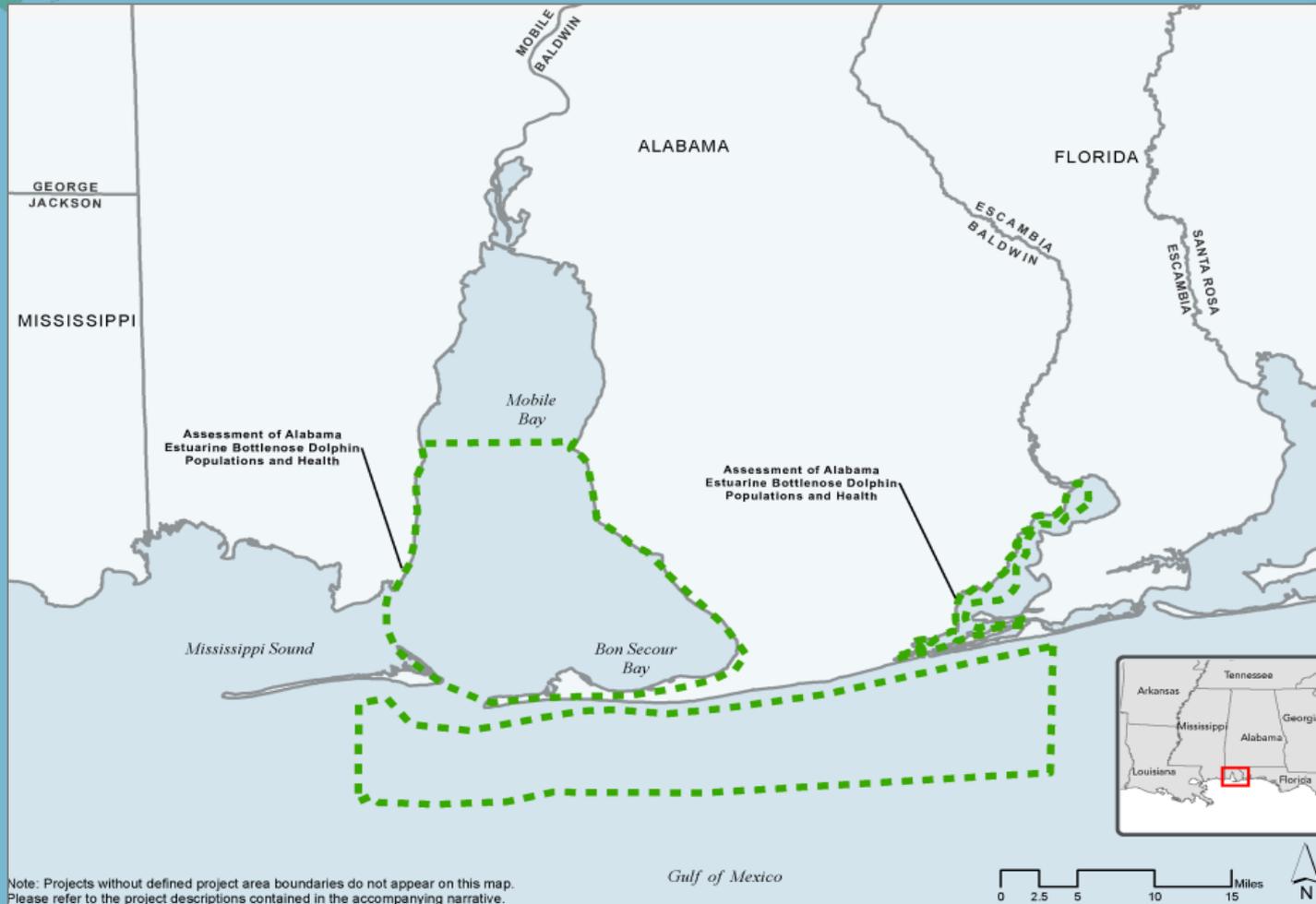
Priority Activities

- Increase sea turtle hatchling productivity
- Improve sea turtle stranding response
- Conduct outreach & education and reduce threats
- Address knowledge gaps

Projects:

- CAST Conservation Program (\$935,061)
- CAST Triage (\$622,915)
- CAST Habitat Usage and Population Dynamics (\$1,631,696)
- CAST Protection: Enhancement and Education (\$906,874)

Projects Proposed for Marine Mammals



Marine Mammals

Priority Activities

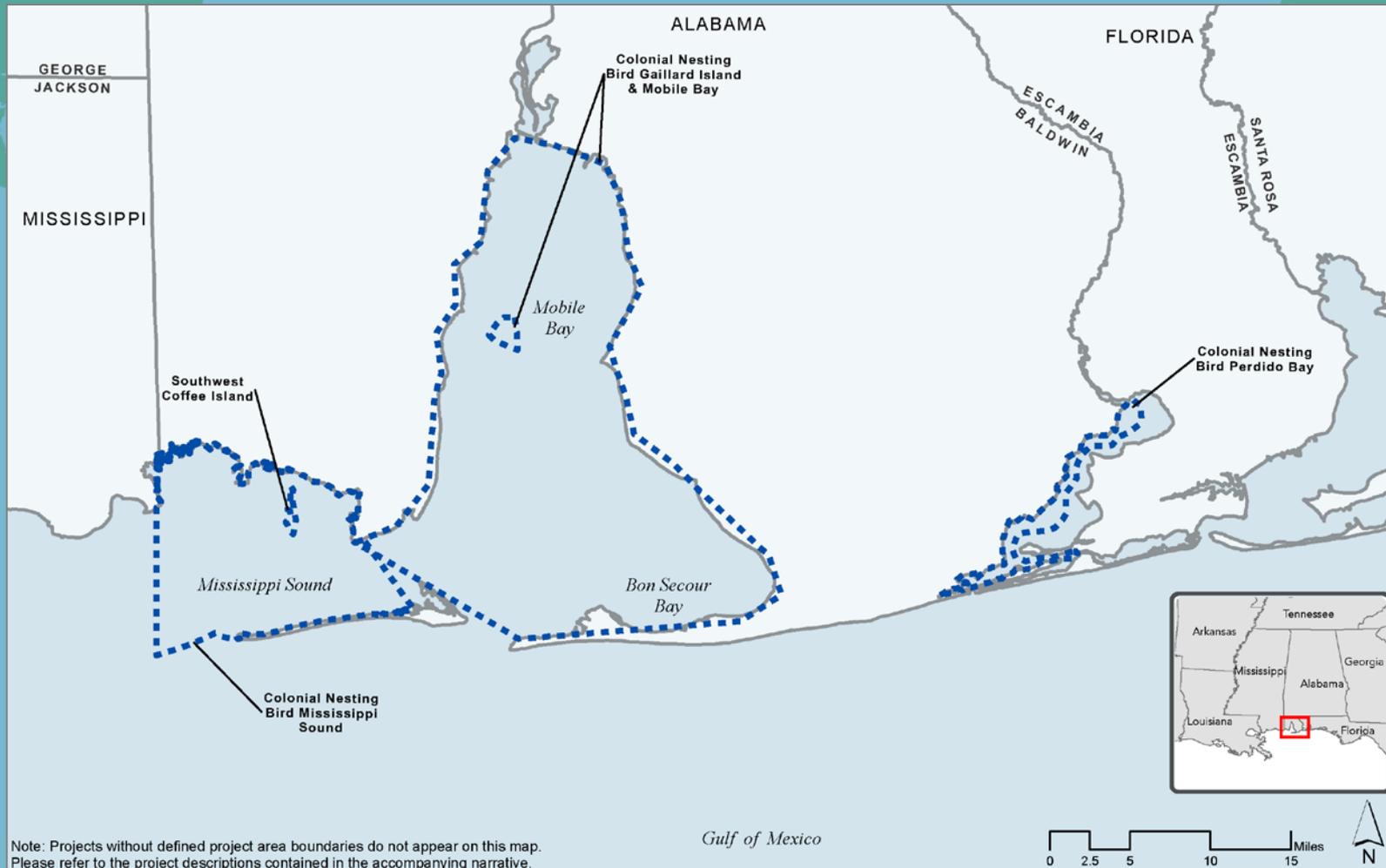
- Stranding response
- Outreach and education
- Reduce threats
- Determine baseline population characteristics
- Provide information on marine mammal habitat use

Projects:

- Enhancing Capacity for the Alabama Marine Mammal Stranding Network (\$2,432,389)
- Assessment of Alabama Estuarine Bottlenose Dolphin Populations and Health* (\$3,059,229)
- Alabama Estuarine Bottlenose Dolphin Protection: Enhancement and Education (\$686,374)

**MAM activity to be funded from MAM allocation*

Projects Proposed for Birds



Birds

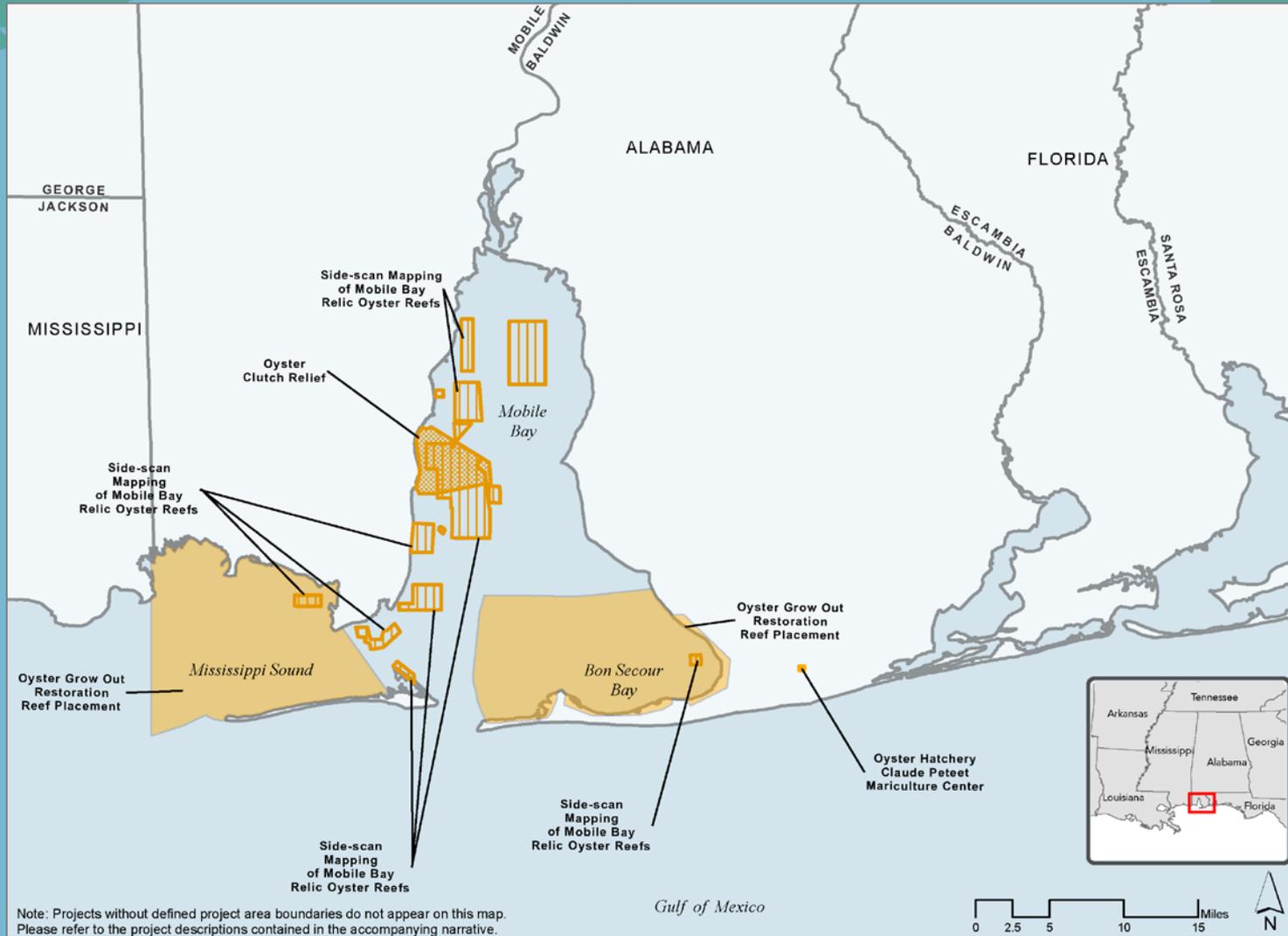
Priority Activities

- Synthesize colonial wading bird and shorebird nesting data in Coastal Alabama
- Engineering & design on Coffee Island
- Telemetry tracking of wading bird species along the Alabama coast

Projects:

- Southwest Coffee Island Habitat Restoration Project—Phase 1 (\$825,225)
- Colonial Nesting Wading Bird Tracking and Habitat Use Assessment—Two Species (\$1,547,500)

Projects Proposed for Oysters



Oysters

Priority Activities

- Address survivorship
- Increase spat production
- Side scan mapping and reef configuration
- Develop oyster management plan for coastal Alabama

Projects:

- Oyster Cultch Relief and Reef Configuration (\$480,262)
- Side-Scan Mapping of Mobile Bay Relic Oyster Reefs (\$104,229)
- Oyster Hatchery at Claude Peteet Mariculture Center—High Spat Production with Study (\$2,949,472)
- Oyster Grow-Out and Restoration Reef Placement (\$962,370)

Monitoring and Adaptive Management

Priority Activities

- Assess artificial lighting on federally managed lands
- Determine baseline Bottlenose Dolphin population characteristics and habitat use

Projects:

- Restoring the Night Sky—Assessment, Training, and Outreach (\$216,655)*
- Assessment of Alabama Estuarine Bottlenose Dolphin Populations and Health (\$3,059,229)

**Project proposed for funding under Habitat on Federally Managed Lands Restoration Type, with MAM activities within the project to be funded from the AL TIG's MAM allocation.*

Listening Table

- **Ron Howard, USDA (Lead Federal Trustee)**
- **Kevin Reynolds, DOI**
- **Chris Parker, EPA**
- **Rachel Sweeney, NOAA**
- **Nick Tew, GSA**
- **Chris Blankenship, ADCNR**



Comments?

Submit Your Comments

Verbally at this public meeting

Online

www.parkplanning.nps.gov/restorealabamaP2

By Mail

U.S. Fish and Wildlife Service

P.O. Box 49567

Atlanta, GA 30345

Comment deadline is May 7, 2018

You Are Invited

Alabama Restoration Summit October 11, 2018

Restoration Websites

<http://www.alabamacoastalrestoration.org/>

<http://gulfspillrestoration.noaa.gov>