



Deepwater Horizon

Natural Resource Damage Assessment & Restoration

Trustee Council

Annual Public Meeting

June 6, 2019

Tonight's Agenda

- Welcome and Introduction
- Trustee Council Update
- Restoration Area Updates
- Your Comments

Trustee Council Representatives

Florida	Alabama	Mississippi	Louisiana	Texas
Gareth Leonard	Chris Blankenship	Gary Rikard	Bren Haase	Robin Riechers

DOI	EPA	NOAA	USDA
Mary Josie Blanchard	Mary Kay Lynch	Chris Doley	Homer Wilkes

Trustee Council Update

Timeline of Key Restoration Events

APRIL 2010
Oil Spill

APRIL 2016
Settlement
Adds \$7.8B
in Natural
Resource
Damages

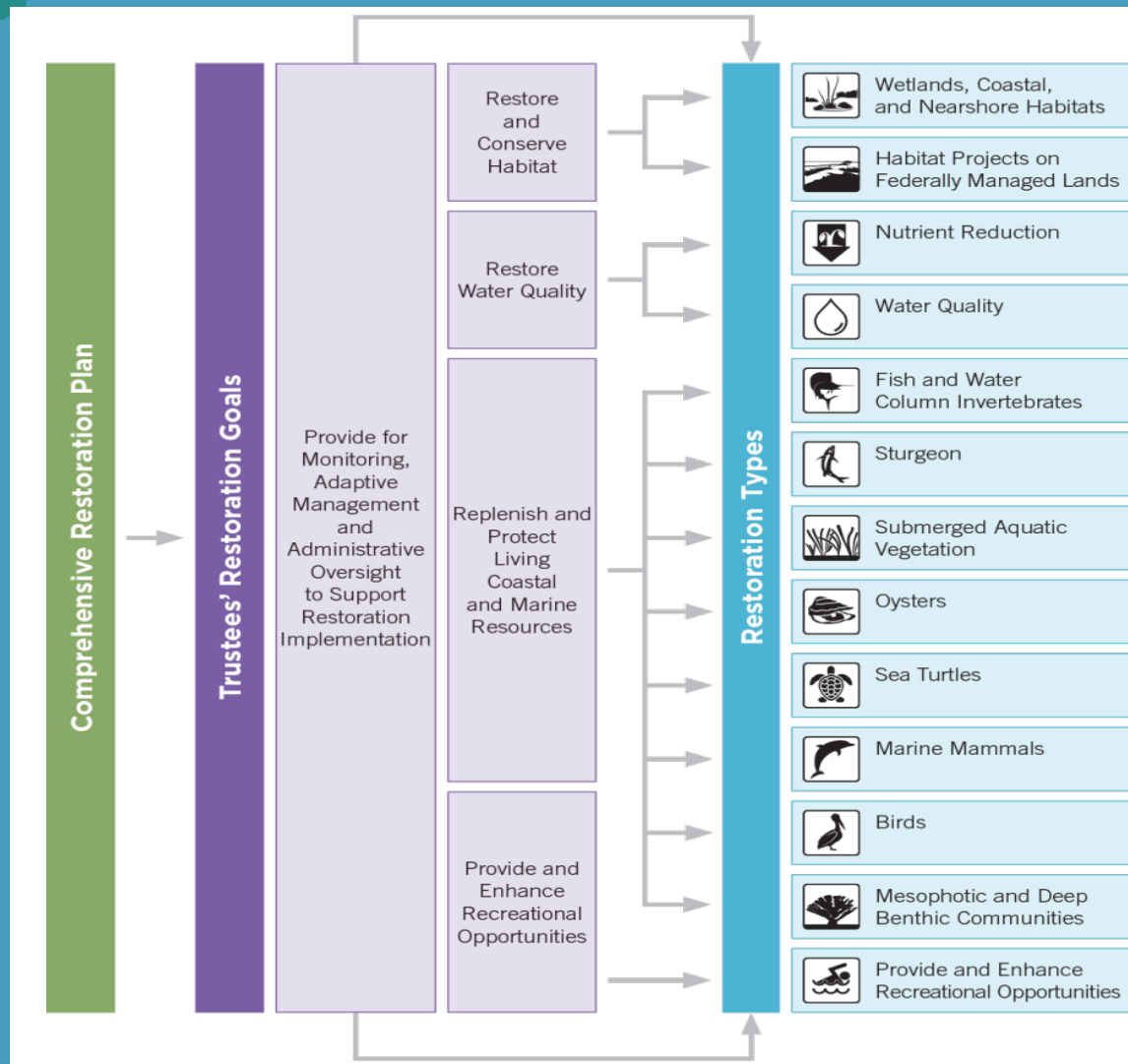
Today
JUNE 2019

Early Restoration

APRIL 2017-2031
Trustees Release Reports & Receive
Payments of Settlement Funds Every April

APRIL 2011
\$1B Early
Restoration
Agreement
w/ BP

Programmatic Damage Assessment & Restoration Plan



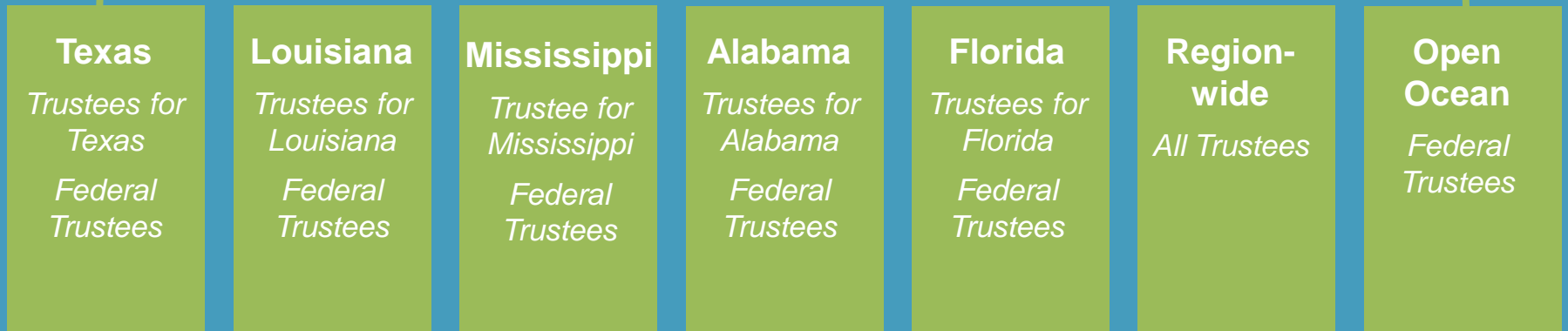
Allocation of Restoration Funds

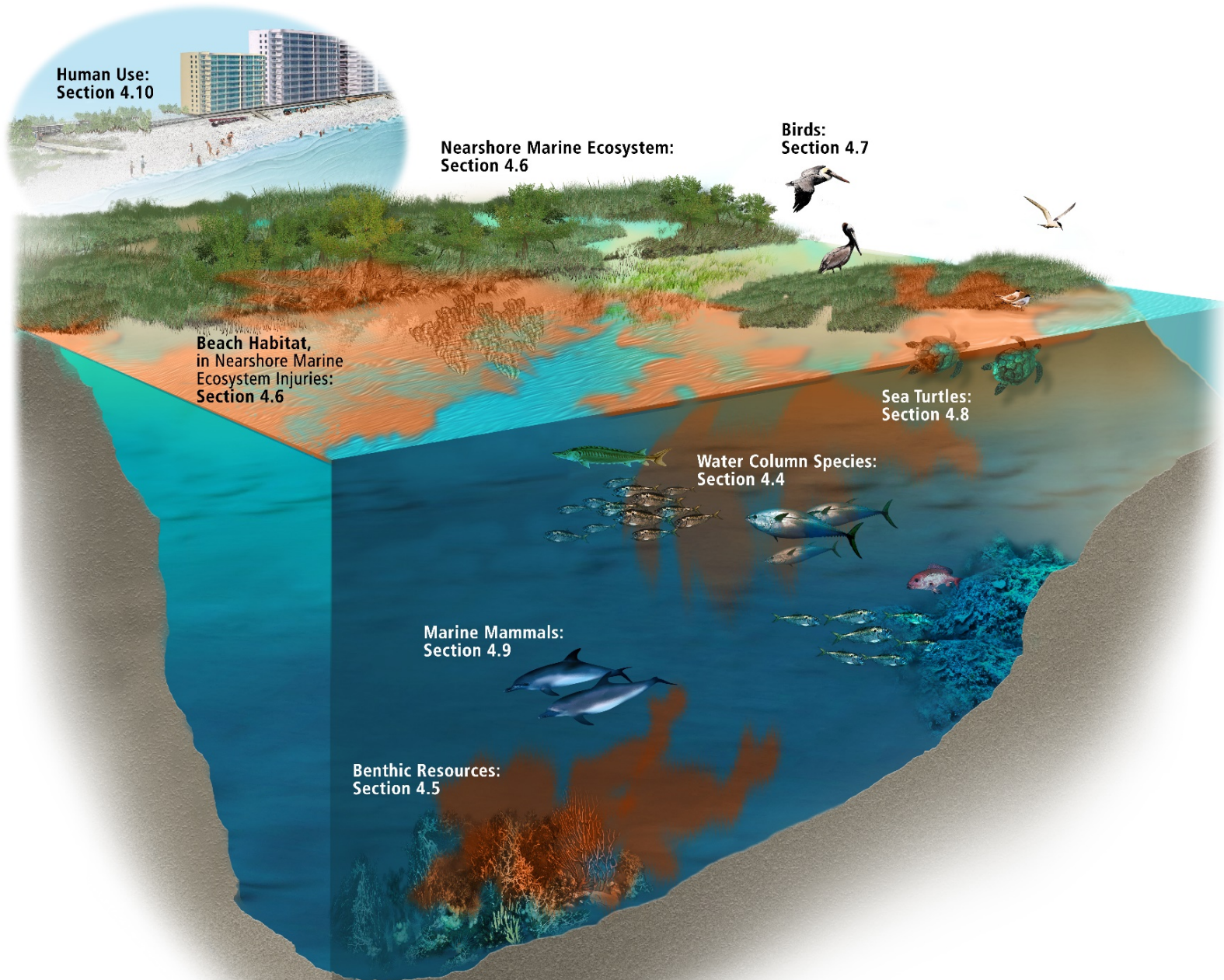
Restoration Funding in Dollars

Major Restoration Categories	Unknown Conditions	Region-wide	Open Ocean	Alabama	Florida	Louisiana	Mississippi	Texas	Total Restoration Funding*
1. RESTORE AND CONSERVE HABITAT									
Wetlands, Coastal, and Nearshore Habitats				65,000,000	5,000,000	4,009,062,700	55,500,000	100,000,000	4,234,562,700
Habitat Projects on Federally Managed Lands				3,000,000	17,500,000	50,000,000	5,000,000		75,500,000
Early Restoration Projects (through Phase IV)				28,110,000	15,629,367	259,625,700	80,000,000		383,365,067
2. RESTORE WATER QUALITY									
Nutrient Reduction (Nonpoint Source)				5,000,000	35,000,000	20,000,000	27,500,000	22,500,000	110,000,000
Water Quality (e.g. Stormwater Treatments, Hydrologic Restoration, Reduction of Sedimentation, etc.)					300,000,000				300,000,000
3. REPLENISH AND PROTECT LIVING COASTAL AND MARINE RESOURCES									
Fish and Water Column Invertebrates			380,000,000						380,000,000
Early Restoration Fish and Water Column			20,000,000						20,000,000
Sturgeon			15,000,000						15,000,000
Sea Turtles		60,000,000	55,000,000	5,500,000	20,000,000	10,000,000	5,000,000	7,500,000	163,000,000
Early Restoration Sea Turtles		29,256,165						19,965,000	49,221,165
Submerged Aquatic Vegetation						22,000,000			22,000,000
Marine Mammals		19,000,000	55,000,000	5,000,000	5,000,000	50,000,000	10,000,000		144,000,000
Birds		70,400,000	70,000,000	30,000,000	40,000,000	148,500,000	25,000,000	20,000,000	403,900,000
Early Restoration Birds		1,823,100		145,000	2,835,000	71,937,300		20,603,170	97,344,170
Mesophotic and Deep Benthic Communities			273,300,000						273,300,000
Oysters		63,372,413		10,000,000	20,000,000	26,000,000	20,000,000	22,500,000	162,872,413
Early Restoration Oysters				3,329,000	5,370,596	14,874,300	13,600,000		37,173,896
4. PROVIDE AND ENHANCE RECREATIONAL OPPORTUNITIES									
Provide and Enhance Recreational Opportunities				25,000,000	63,274,513	38,000,000	5,000,000		131,274,513
Early Restoration of Recreational Loss			23,397,916	85,505,305	120,543,167	22,000,000	18,957,000	18,582,688	287,986,076
5. MONITORING, ADAPTIVE MANAGEMENT, AND ADMINISTRATIVE OVERSIGHT									
Monitoring and Adaptive Management		65,000,000	200,000,000	10,000,000	10,000,000	225,000,000	7,500,000	2,500,000	520,000,000
Administrative Oversight and Comprehensive Planning		40,000,000	150,000,000	20,000,000	20,000,000	33,000,000	22,500,000	4,000,000	289,500,000
Adaptive Management NRD Payment for Unknown Conditions	700,000,000								700,000,000
TOTAL NRD FUNDING	\$700,000,000	\$349,851,678	\$1,240,697,916	\$295,589,305	\$680,152,643	\$5,000,000,000	\$295,557,000	\$238,151,458	

Trustee Council

Trustee Implementation Groups





Restoration Work Since Settlement

- Implementing similar restoration type projects across broad geographies
- Coordinating across and leveraging funding sources to maximize Gulf ecosystem restoration
- Working with local experts to benefit resources and the services they provide (e.g., with commercial & recreational fishermen)

Council Work Since Settlement

Monitoring & Adaptive Management (MAM)

- Continuing to develop project-level guidelines for the Monitoring & Adaptive Management Manual
- Supporting programmatic evaluation efforts across TIGs and Restoration Types
- Continuing to develop DIVER database structure for restoration monitoring data

Restoration Area Updates

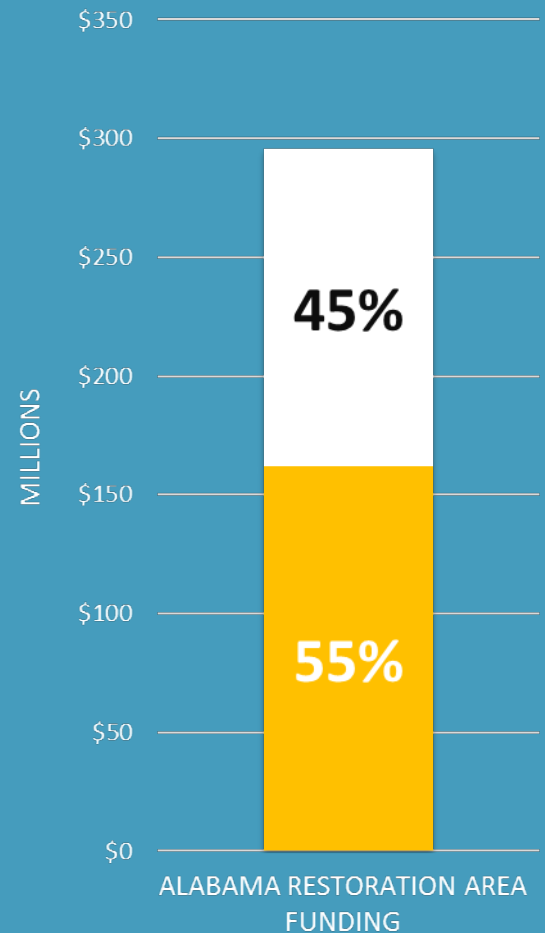


Alabama Restoration Area



Funding Update

- Committed approximately \$162 million for projects and planning activities as of May 2019.
- The total allocation is \$295 million.





Recent Activities

- Released the Final Alabama TIG Restoration Plan II (Ecological Restoration) in Fall 2018
- Issued a solicitation for project ideas in December 2018 for the drafting of a third Restoration Plan
- Continued implementation and monitoring of projects

Featured Project: Coastal Alabama Sea Turtle Conservation Program



- Also known as Share the Beach
- AL TIG Provided funding to the Alabama Coastal Foundation, the new home for Share the Beach
- Program provides important nest stewardship and data collection, which directly increases sea turtle hatchling survival and informs Gulf-wide data collection efforts






Photo Credit: AL Share the Beach Program

Nesting Sites on Gulf State Park



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

 Turtle Nesting Sites	This map represents the turtle nesting sites located at the project sites for Gulf State Park		Gulf State Park
	Coordinate System: WGS 1984 UTM Zone 16N Datum: WGS 1984		0 0.75 1.5 Miles
	May 14, 2019		



Future Activities

- Continue implementation and monitoring of projects
- Draft Restoration Plan III to consider restoration of injury to Birds and to Provide and Enhance Recreational Opportunities
- Annual Meeting of AL TIG summer/fall 2019

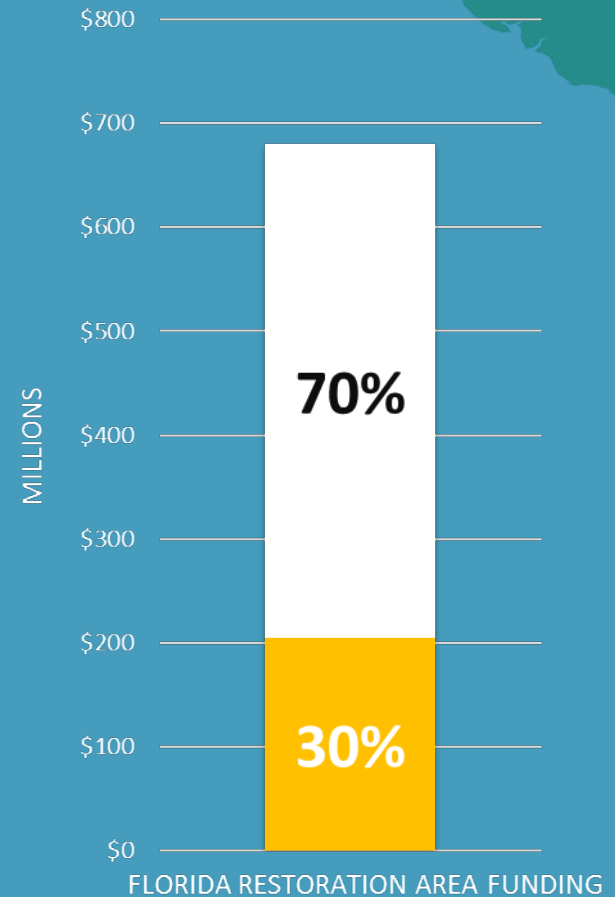


Florida Restoration Area



Funding Update

- Committed just over \$200 million for projects and planning activities as of May 2019.
- The total allocation is \$680 million.





Recent Activities

- Continued implementation and monitoring of Early Restoration projects
- Released Final Restoration Plan 1 and Environmental Assessment in March 2019
- Initiated restoration planning for the third phase of the Phase V Florida Coastal Access Project in April 2019

Featured Project: Florida Artificial Reef Creation and Restoration

- Provide and enhance recreational opportunities in the FL Panhandle through the creation of artificial reefs in state waters.
- Budget: ~ \$11.5 million.
- 1,773 artificial reef modules deployed in the permitted areas as of December 2018.
- Reefs will be monitored for biological and recreational use for a minimum of three years.





Future Activities

- Continue implementation and monitoring of Early Restoration projects
- Begin implementation of Final Restoration Plan 1 and Environmental Assessment projects
- Release draft of the restoration plan for the third phase of Phase V the Florida Coastal Access Project for public review and comment
- Initiate restoration planning for Restoration Plan 2

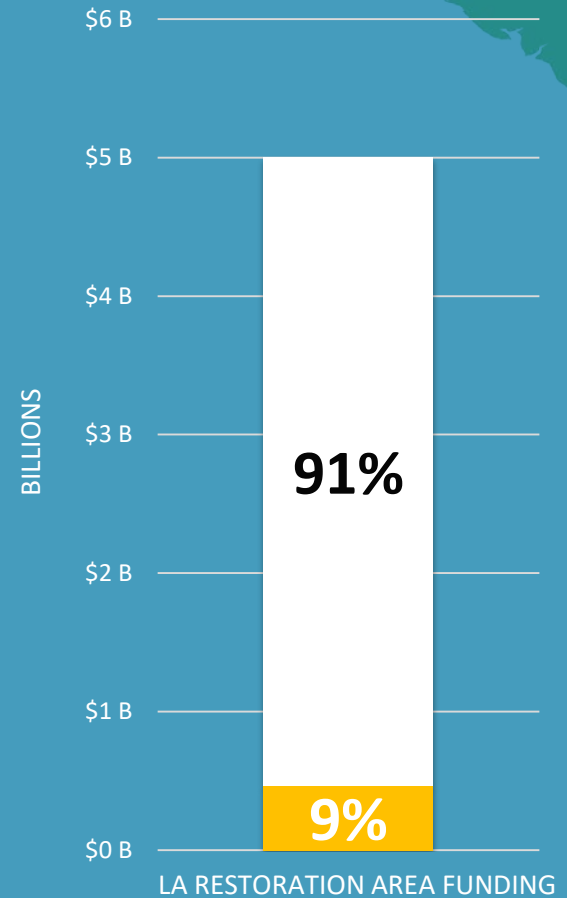


Louisiana Restoration Area



Funding Update

- Committed approximately \$460 million for projects and planning activities as of May 2019.
- The total allocation is \$5 billion.





Recent Activities

Restoration Plan #1 - Phase II Plan(s)

- Final Queen Bess Island Restoration Plan

Restoration Plan #2

- Draft Supplemental RP for Lake Charles Science Center and Educational Complex



Queen Bess Island



Future and Ongoing Activities



Early Restoration

- Continue restoration project implementation and monitoring

Restoration Plan #1

- Develop Phase II Draft RPs: Lake Borgne MC, Spanish Pass MC, Terrebonne MC, Rabbit Island, & Jean Lafitte Shoreline Protection Projects
- Construction of Queen Bess Island project

Restoration Plan #2

- Finalize RP for Lake Charles Science Center and Educational Complex

Strategic Restoration Plan #3

- Develop Phase II RPs: MBSD, Large-Scale Marsh Creation in Barataria Basin, and Barataria Basin Marsh Creation

Strategic Restoration Plan #3

- Develop an RP for the LCMR projects: Focus on Oysters & Marine Mammals

Ongoing

- Continue restoration project implementation and monitoring

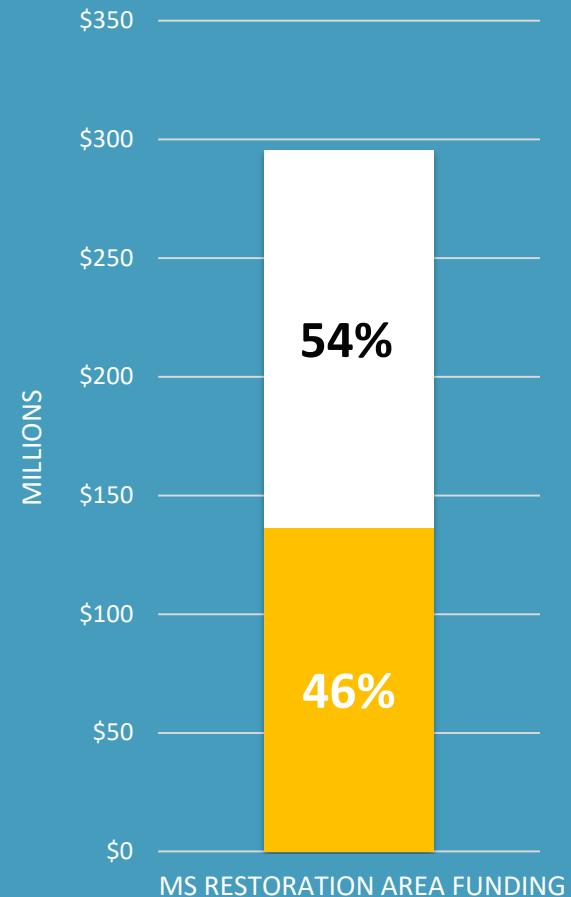


Mississippi Restoration Area



Funding Update

- Committed approximately \$134 million for projects and planning activities as of May 2019.
- The total allocation is \$295 million.





Recent Activities

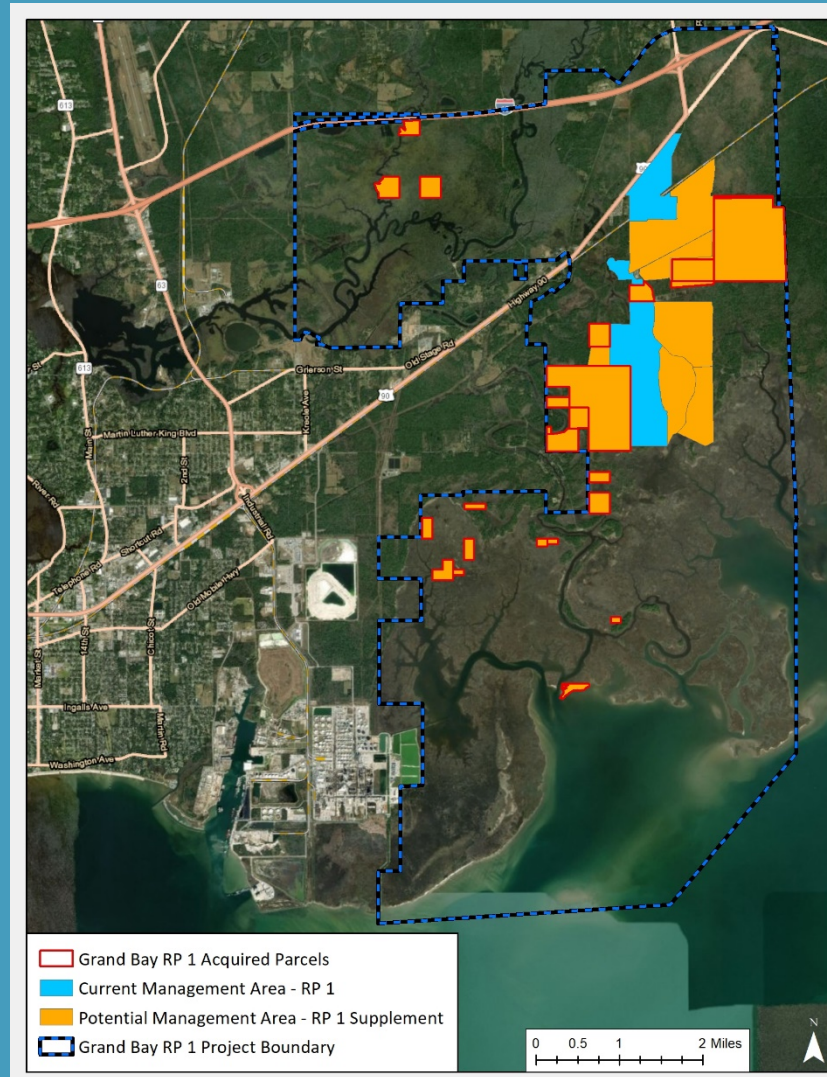
- The Mississippi Trustee Implementation Group has initiated planning for two restoration plans:
 - Draft Supplemental Restoration Plan: Grand Bay Land Acquisition and Habitat Management.
 - Restoration Plan/Environmental Assessment II (Restoration Plan II).

Featured Project: Grand Bay Land Acquisition and Habitat Management

- The State of Mississippi acquired ~1,500 acres of habitat in the Grand Bay project area in December 2018.
- Started habitat management projects, including prescribed fire.
- Began baseline monitoring, including vegetation and birds.
- Evaluating additional land acquisition and management opportunities.



Featured Project: Grand Bay Land Acquisition and Habitat Management





Future Activities

- Release for public comment:
 - Draft Supplemental Restoration Plan - Grand Bay Land Acquisition and Habitat Management.
 - Draft Restoration Plan/Environmental Assessment II (Restoration Plan II).
- Continue restoration early and post-settlement project implementation and monitoring.
- Annual Meeting and Mississippi Restoration Summit, November 12, 2019.

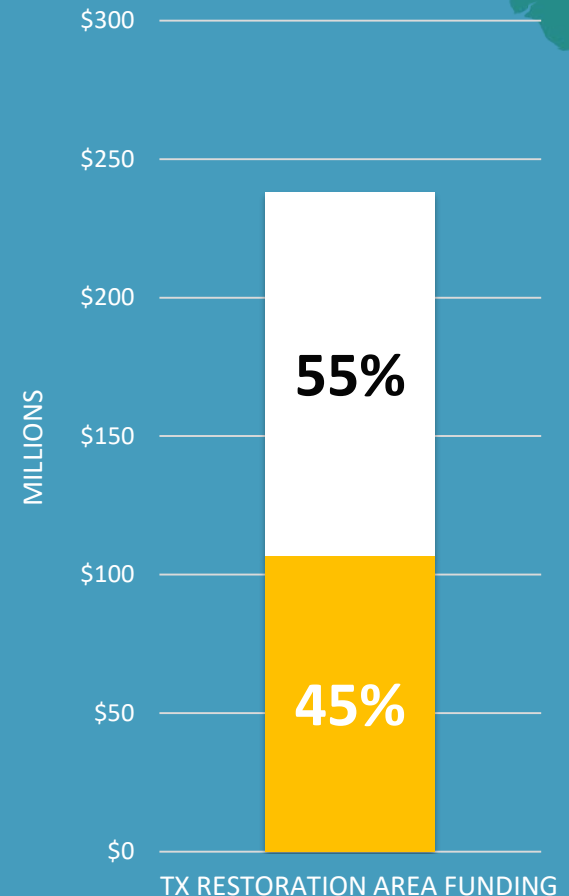


Texas Restoration Area



TX TIG Funding Update

- Committed approximately \$107 million for projects and planning activities as of May 2019
- The total allocation is \$238 million





Recent TX TIG Activities

Implementation

- Early restoration projects with focus on sea turtles

Land Acquisitions – Complete or Anticipated

- Follets Island Coastal Management Area
- Laguna-Atascosa NWR
- Mid-Coast NWR Complex

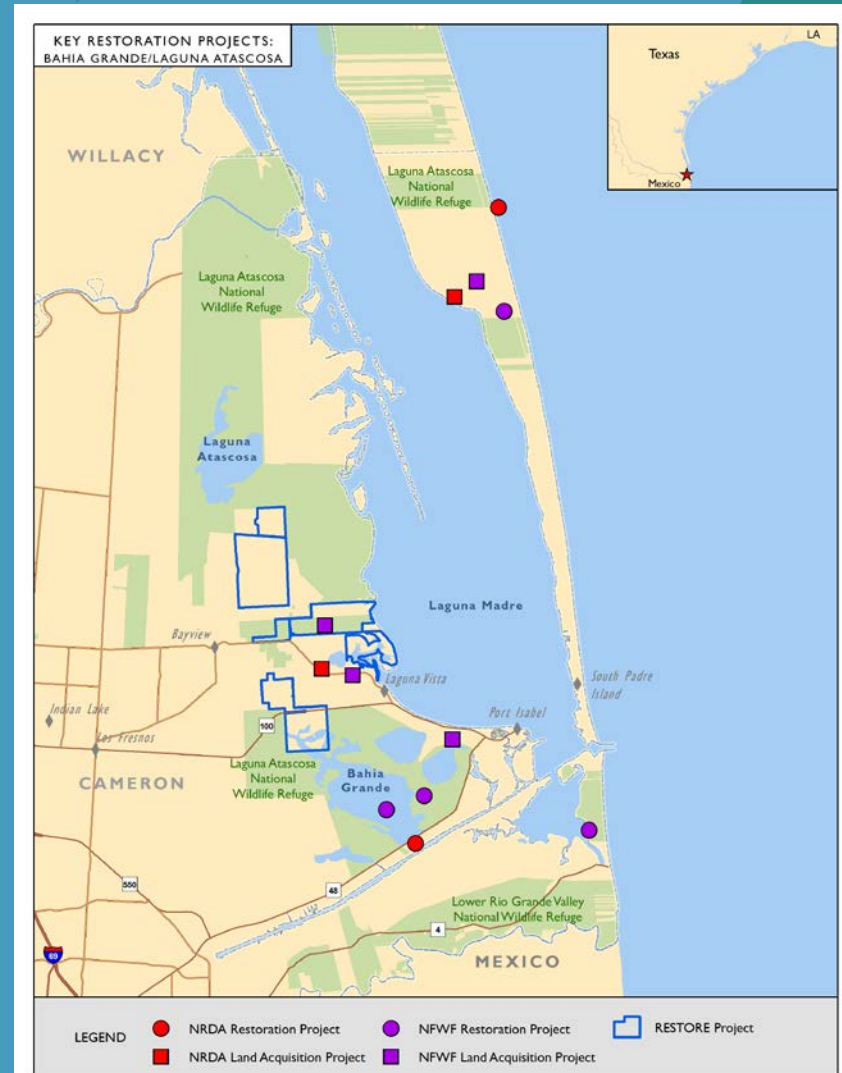
Planning

- McFaddin beach ridge restoration, which leverages funding from NRDA, NFWF, RESTORE, and USFWS

Featured Project Area - Lower Laguna Madre/Bahia Grande



TX TIG took a landscape approach to selecting restoration projects using NFWF, RESTORE, and DWH NRDA funds





Future TX TIG Activities

Complete Planning/Engineering/Design

- Water Quality (Nutrient Reduction)
 - Oysters
 - Beneficial Use of Dredged Materials
-
- Continued implementation and monitoring of projects from early restoration and the 2017 Restoration Plan
 - Planning a public meeting in the fall

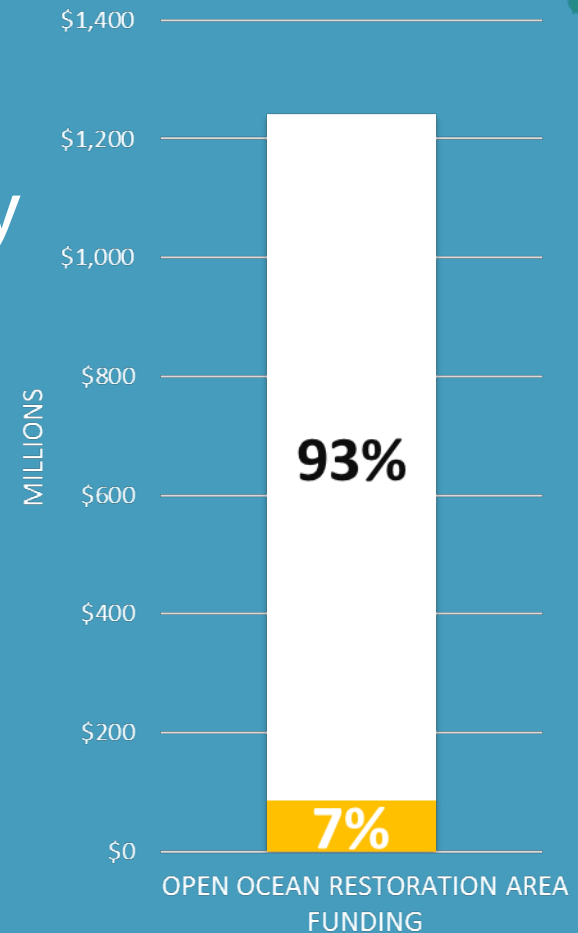


Open Ocean Restoration Area



Funding Update

- Committed approximately \$85 million for projects and planning activities as of May 2019.
- The total allocation is \$1.2 billion.





Recent Activities

- Completed the Gulf Islands National Seashore Ferry Project
- Continued to implement and monitor four Early Restoration projects
- Finalized Restoration Plan 1 for birds and sturgeon
- Released Draft Restoration Plan 2 for public comment
- Released the OO TIG's Monitoring & Adaptive Management (MAM) Strategy
- Held public outreach and engagement opportunities – MAM Workshop (Feb.) and MAM Forum (June)

Featured Project: Oceanic Fish Restoration



- Partnering with pelagic longline fishermen; restoring tuna, billfish, other species.
- Participants voluntarily refrain from PLL fishing for six-months.
- Provided with alternative gear that reduces bycatch.



- Pilot in 2017; full implementation in 2018 and 2019.
- 27 participants in Florida and Louisiana.



Future OO TIG Activities

- Continue implementation and monitoring of four Early Restoration projects.
- Begin implementation of three projects selected in Restoration Plan 1.
- Collect and consider comments to finalize Restoration Plan 2 .
- Develop priorities for addressing Open Ocean Monitoring and Adaptive Management needs.

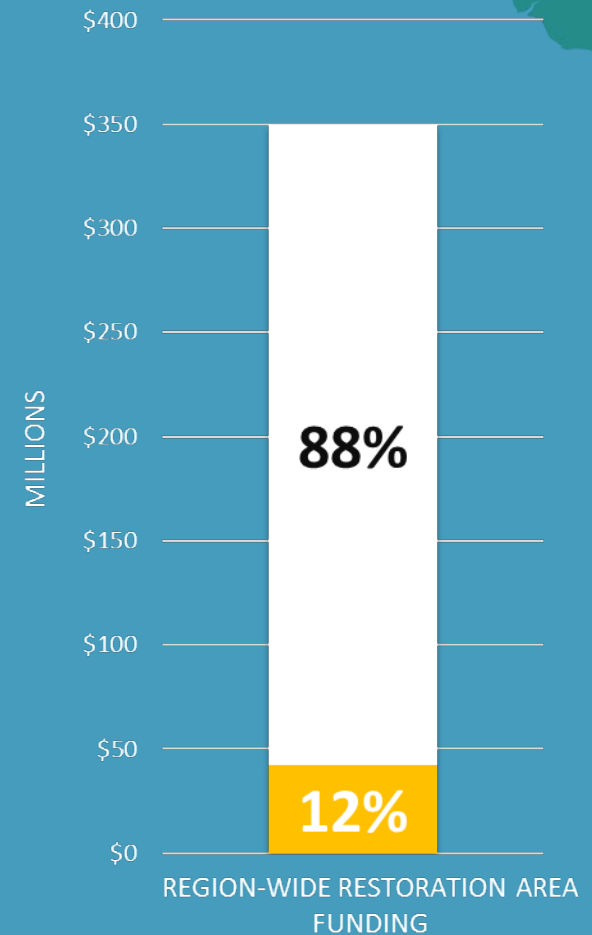


Region-wide Restoration Area



Funding Update

- Committed approximately \$42 million for projects and planning activities as of May 2019.
- The total allocation is \$350 million.





Recent Activities

- Developed scope and schedule of upcoming restoration planning efforts for sea turtles, marine mammals, birds, and oysters.
- Continued implementation and monitoring of Early Restoration projects.

Featured Project: Sea Turtle Early Restoration Project



Region-wide portion of 10-year project; \$25 million:

- Enhances Sea Turtle Stranding & Salvage Network, develops emergency response program.
- Shrimp trawl bycatch reduction:
 - Two new Gear Monitoring Teams.
 - 572 more shrimp trawl fishery observer days over two years.





Future Activities

- Initiate restoration planning for sea turtles, birds, marine mammals, and oysters.
- Continue implementation and monitoring of Early Restoration projects.

Comments



Thank you

www.gulfspillrestoration.noaa.gov/