

Deepwater Horizon Natural Resources Damage Assessment Texas Trustee Implementation Group

Public Meeting
November 4, 2020



Agenda

- NRDA and Deepwater Horizon
- Funding in Texas
- Current Project Solicitation
- Active Project Updates



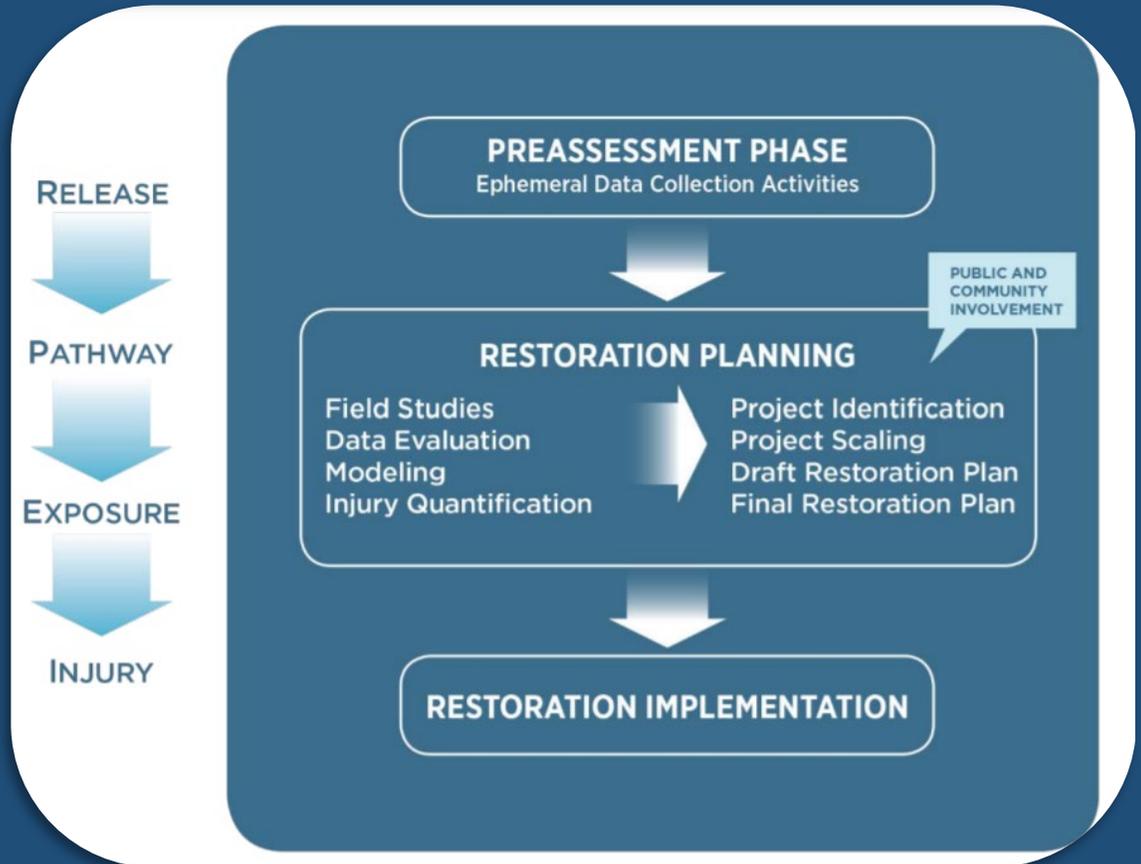
Assessment

Authority: Oil Pollution Act of 1990

Trustees: Designated federal, state, and tribal agencies

Responsibilities:

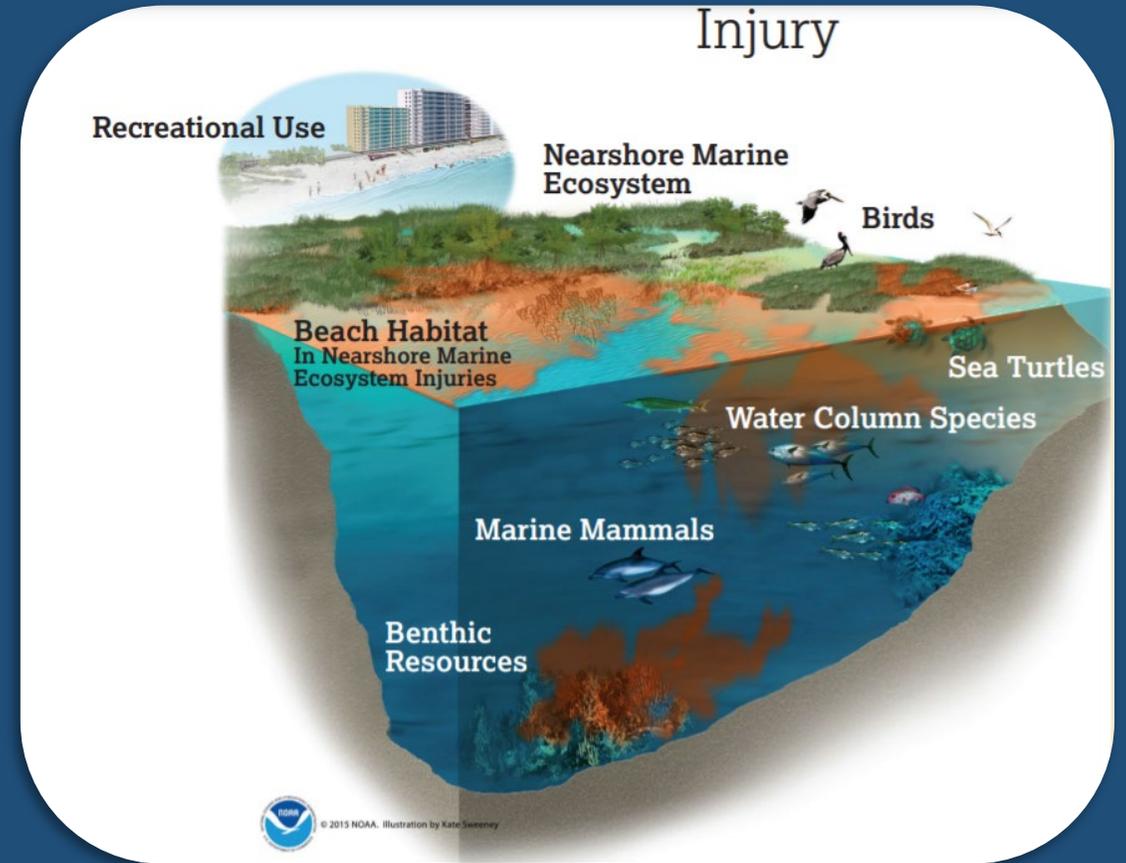
- Determine injury to natural resources and ecosystem services
- Assess damages for injuries to recover and restore natural resources and services
- Recover damages or restoration to compensate the public for those injuries



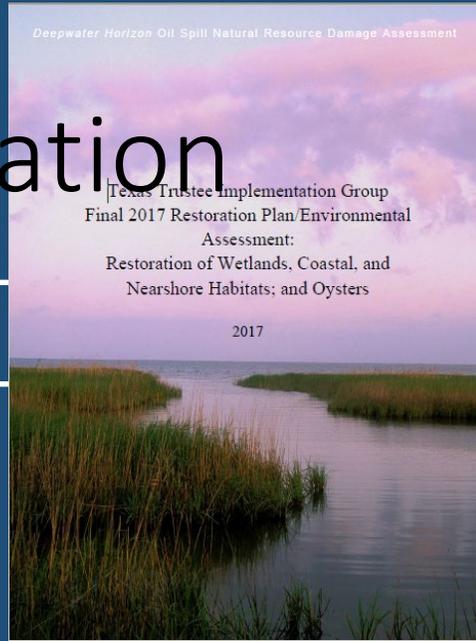
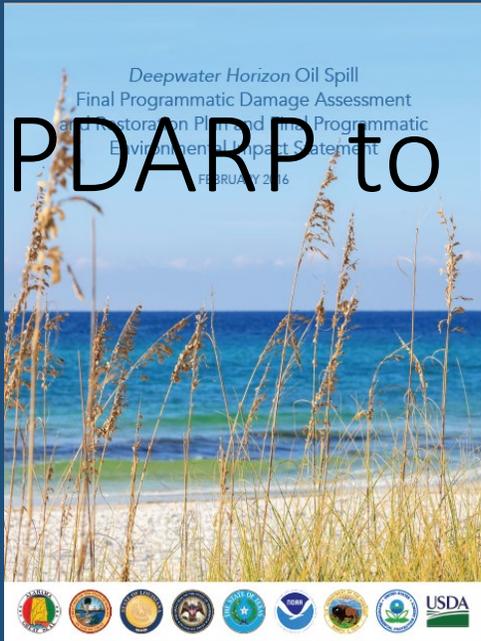
Goal: Restore injured natural resources to baseline condition and to replace ecosystem services lost while the habitat was contaminated, effectively making the environment and public whole

Deepwater Horizon Oil Spill

- In April 2010, the Deepwater Horizon exploded, caught fire, and sank
- Discharged 3.19 million barrels of oil into the Gulf of Mexico over 87 days
- Injured wildlife, habitats, and ecological functions
- Adversely effected recreational opportunities



Impacted shoreline and state waters of Louisiana, Alabama, Mississippi, Texas, and Florida and in the open waters of the Gulf of Mexico



PDARP to Restoration

PDARP

- Framework document for future project-specific restoration plans
- Identifies approaches and techniques for restoration

Restoration Plans

- Identifies specific projects for restoration types established in PDARP
- Multiple restoration plans released over time
- Projects must be consistent with restoration goals, types, approaches, and techniques identified in PDARP

Restoration Projects

- Multiple restoration projects under each restoration plan
- Must be implemented in accordance with PDARP and restoration plan

2016 Final Programmatic Damage Assessment and Restoration Plan and Final Programmatic Environmental Impact Statement (PDARP)

Injury Quantification:

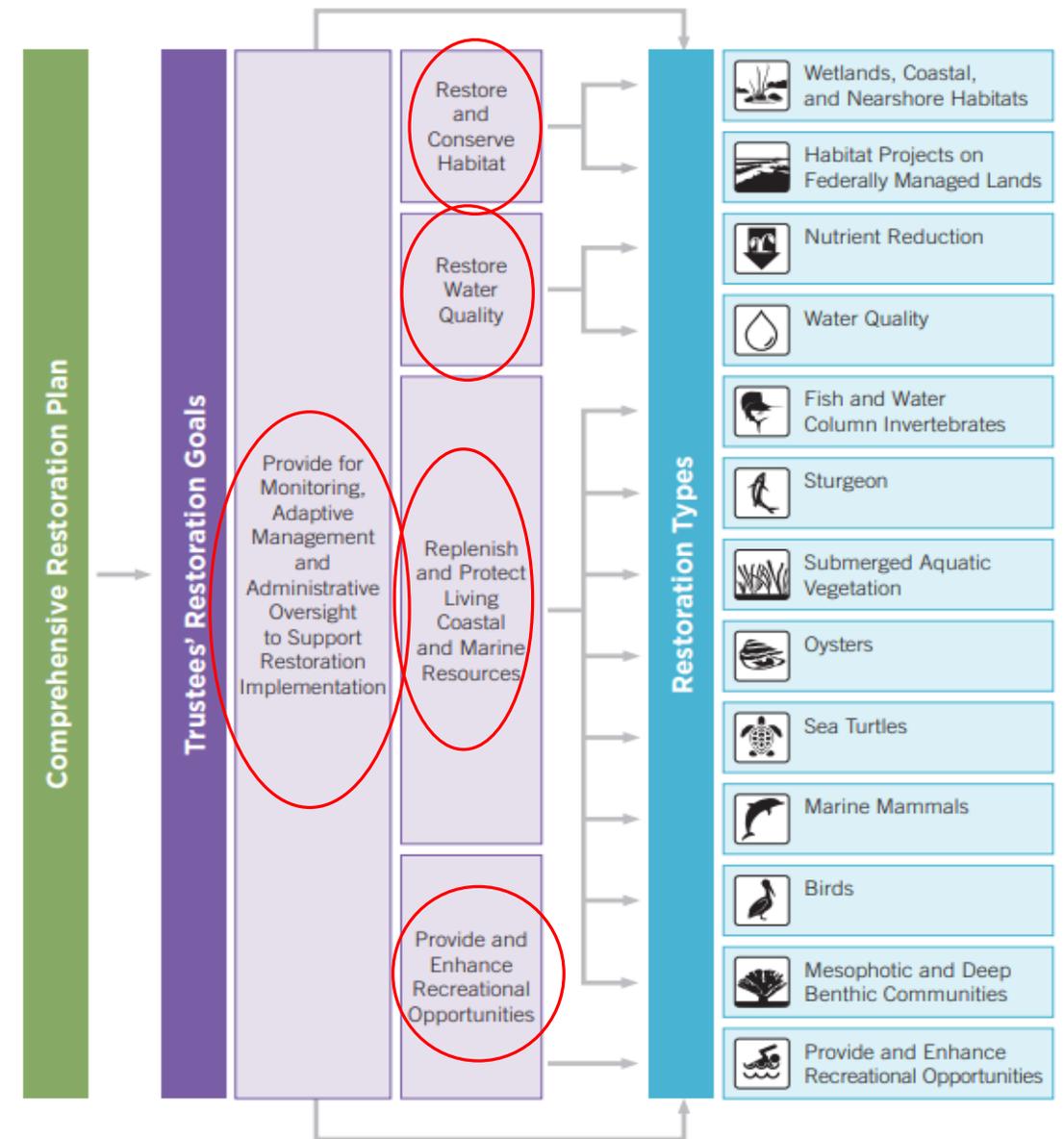
- Determines nature and extent of injuries to natural resources and services

Restoration Planning:

- Establishes restoration goals
- Identifies type and amount of restoration needed to compensate for the impacts
- Identifies approaches and techniques for restoration and monitoring

Damages:

- Allocates restoration funding for specific restoration types by geographic area



Texas Trustee Implementation Group

TIG Responsibilities

Responsible for planning and implementing restoration activities within the Texas Restoration Area

- Identify, develop, and evaluate project alternatives
- Draft restoration plans identifying proposed projects
- Engage the public for comment on restoration plans
- Select and implement restoration projects
- Conduct monitoring and adaptive management



Texas TIG Agencies

National Oceanic and Atmospheric Administration

Department Of the Interior

United States Department of Agriculture

United States Environmental Protection Agency

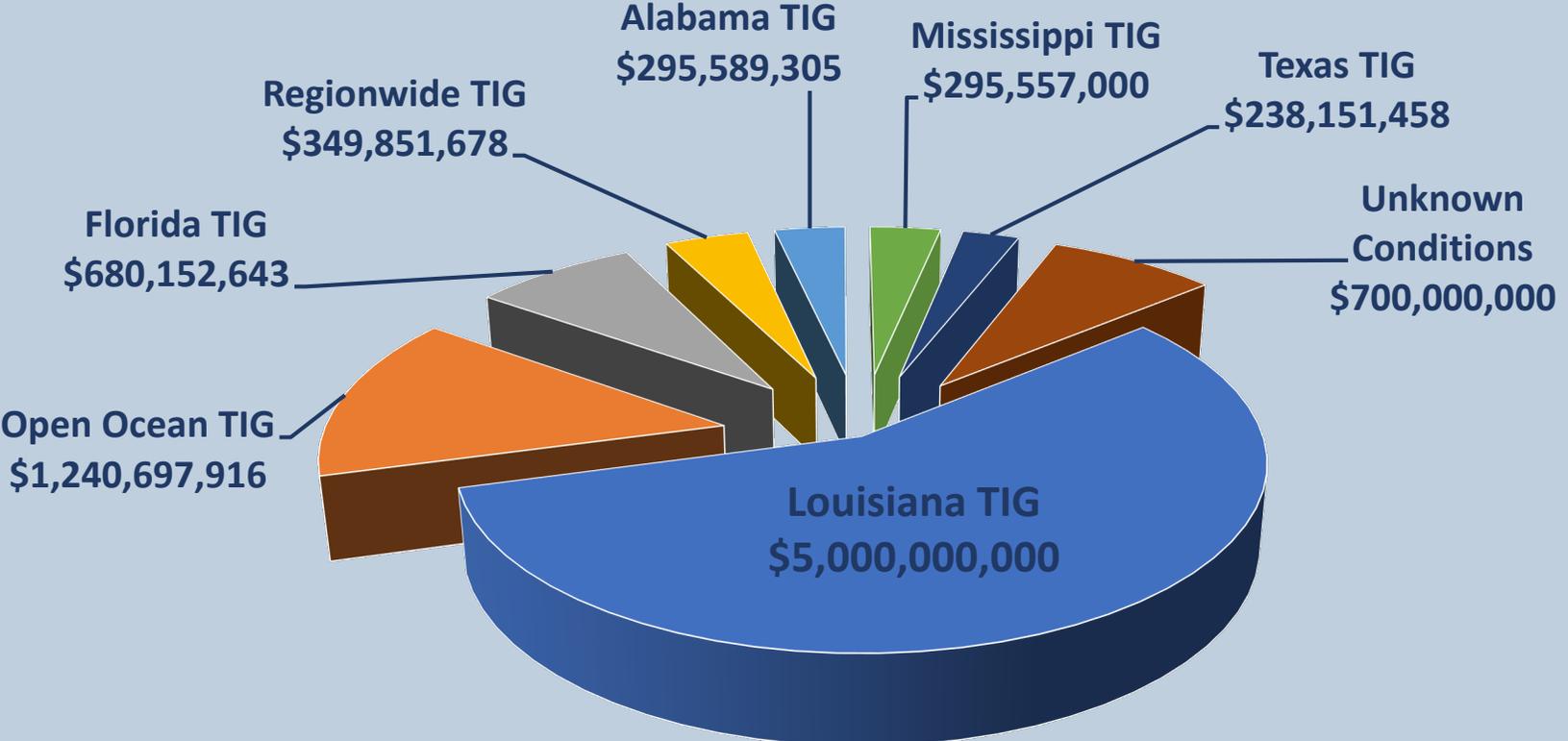
Texas Parks and Wildlife Department

Texas Commission on Environmental Quality

Texas General Land Office



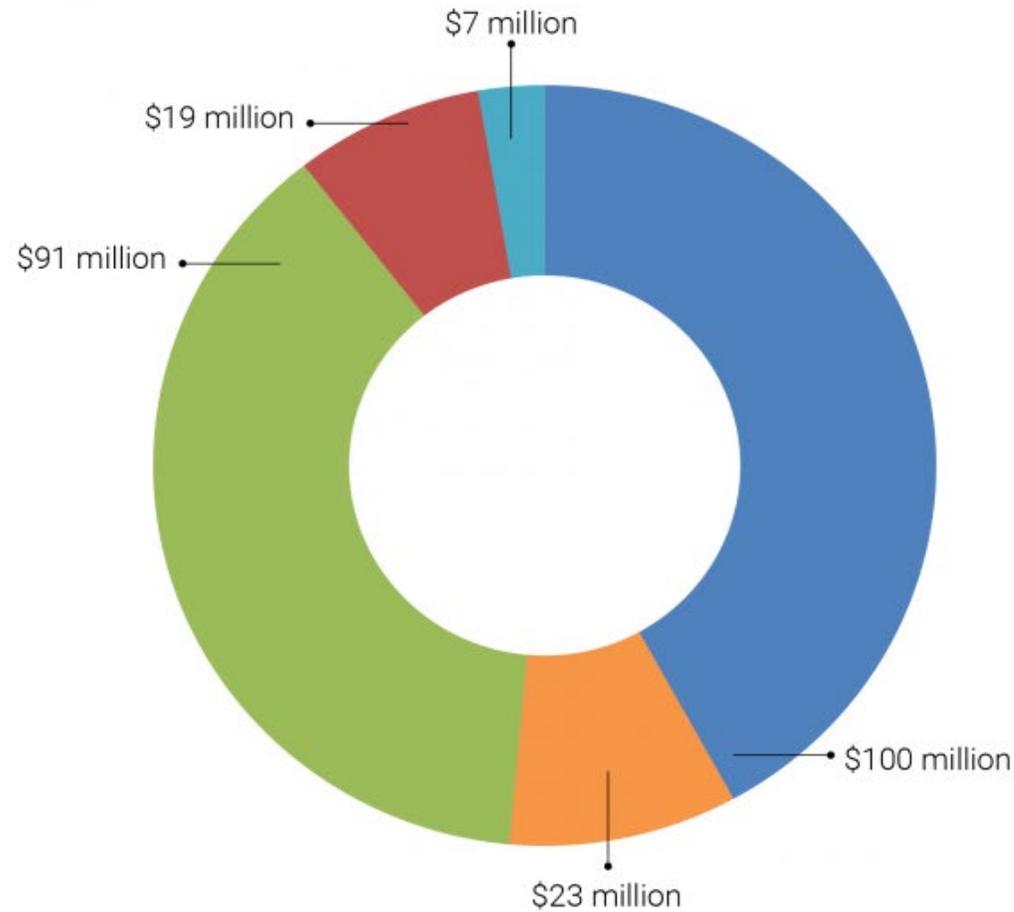
Total Allocation



Deepwater Horizon NRDA Restoration Funding

Major Restoration Categories	Unknown Conditions	Region-wide	Open Ocean	Alabama	Florida	Louisiana	Mississippi	Texas	Total Restoration Funding ^a
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	63,000,000
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		44,000,000
Birds		70,400,000	70,000,000	30,000,000	40,000,000	148,500,000	25,000,000	20,000,000	303,900,000
Early Restoration Birds		1,823,100		145,000	2,835,000	71,937,300		20,603,770	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	

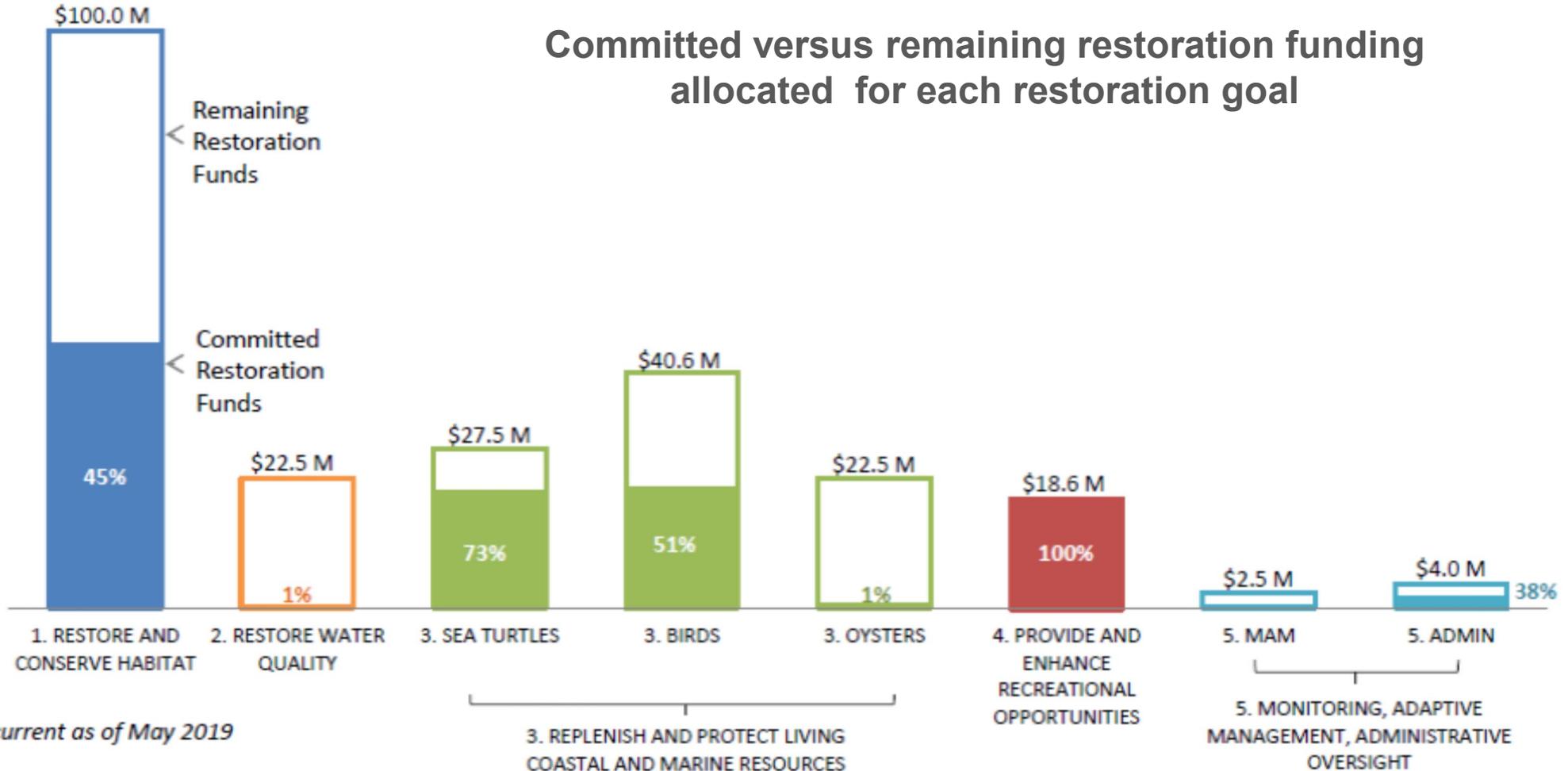
Texas Allocation of Restoration Funds



Restoration funding allocated to the Texas Restoration Area for each restoration goal

- Restore and Conserve Habitat
- Restore Water Quality
- Replenish and Protect Living Coastal and Marine Resources
- Provide and Enhance Recreational Opportunities
- Monitoring, Adaptive Management, Administrative Oversight

Commitment of Restoration Funds



Data current as of May 2019

Where to find more NRDA information

GULF SPILL RESTORATION



Website maintained by NOAA on behalf of the Deepwater Horizon Natural Resource Damage Assessment Trustees

[Home](#)

[About Us](#)

[How We Restore](#)

[Restoration Areas](#)

[Data](#)

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Texas Restoration Area

Restoration work in the Texas Restoration Area will focus on restoring wetlands and other coastal habitats and reducing nonpoint source pollution. We will also restore wildlife injured by the spill, including oysters, birds, and sea turtles.

Together, the trustees will restore natural resources—and the services they provide—that were injured by the spill. We will develop project-specific restoration plans, consistent with the **programmatic restoration plan** (see chart below). As part of the restoration planning process, we will accept restoration project ideas from the public. The public will also have the opportunity to review and comment on any proposed project-specific restoration plans for the Texas Restoration Area. Once approved, we will then begin implementation and monitoring of the selected projects.

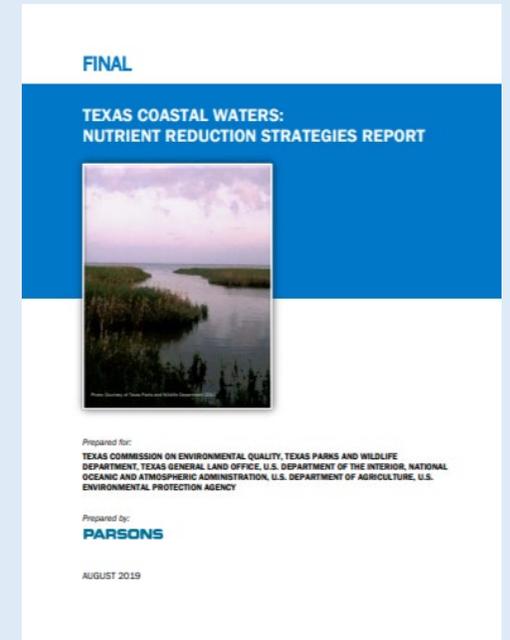
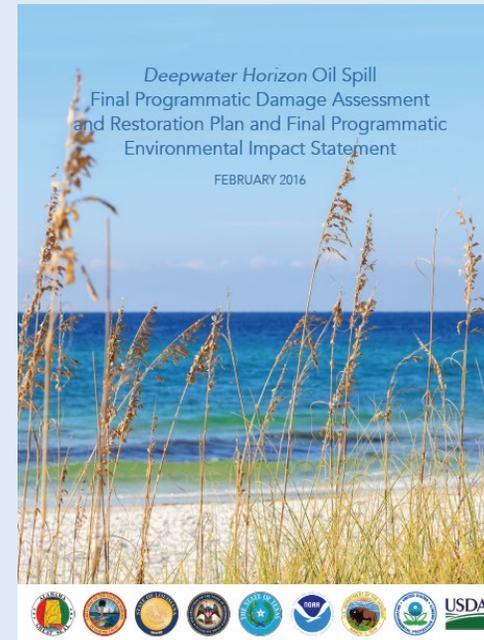


<https://www.gulfspillrestoration.noaa.gov/restoration-areas/texas>

Texas TIG Current Planning Activities

- Solicitation of Project Ideas

Helpful documents and Resources



Project Idea Solicitation

- Public is invited to submit new restoration ideas or revise previously-submitted ideas through the [Trustee Council's project idea submission portal](#).
- Trustees will be evaluating ideas submitted or revised between **October 1, 2020 and December 10, 2020**
- Draft Restoration Plan expected to be released next fall



Project Idea Solicitation

Projects will be considered to address injuries to the following restoration types:

- Wetlands, coastal, and nearshore habitats
- Nutrient reduction (nonpoint source)
- Oysters
- Sea turtles
- Birds



■ Wetlands, Coastal, and Nearshore Habitats

- Create, restore, and enhance coastal wetlands
- Create, restore, and enhance barrier and coastal islands and headlands
- Restore and enhance dunes and beaches



■ Nutrient Reduction (Nonpoint Source)



Photo by Sam Sugarek

- Restore water quality through nonpoint source nutrient reduction
- Prioritization criteria from the Texas Coastal Waters: Nutrient Strategies Report
- Include measurable in-stream or downstream nutrient reduction outcomes
- Please read the Nutrient Reduction Strategies Report!

■ Oysters



Photo provided by U.S. Fish and Wildlife Service

- Restore oyster abundance and spawning stock
- Restore resilience to oyster populations
- Restore a diversity of oyster reef habitats
- Prioritize landscape scale restoration
- Please read the Strategic Framework for Oyster Restoration Activities!

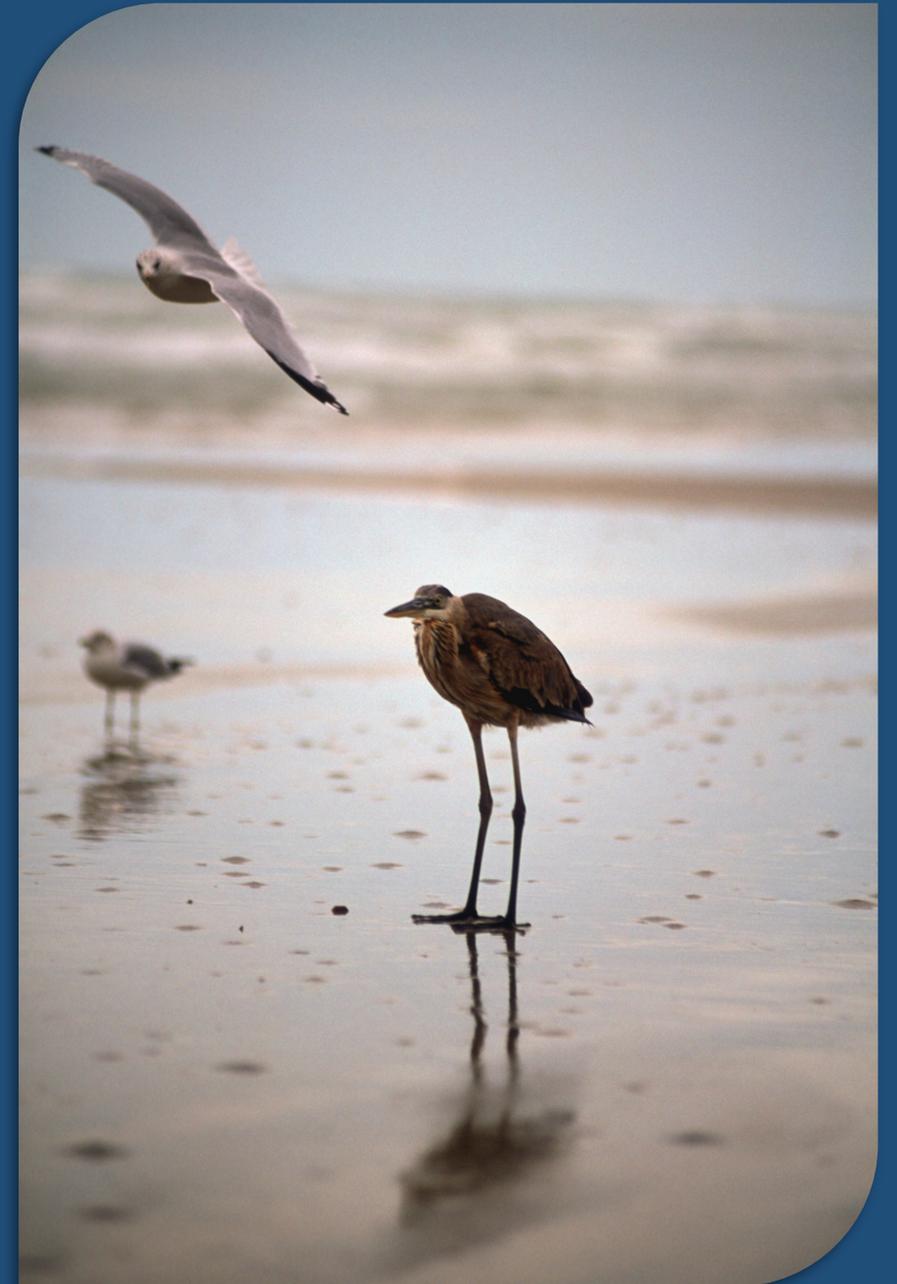
■ Sea Turtles



- Enhance hatchling productivity and restore and conserve nesting beach habitat
 - Provide education and outreach
 - Protect nests and nesting beaches
 - Enhance nesting beach restoration and resiliency
- Reduce bycatch through enhanced training and outreach, or enforcement
- Increase survival through enhanced mortality investigation and response
- Please read the Strategic Framework for Sea Turtle Restoration Activities!

■ Birds

- Bird nesting and foraging habitat
- Coastal wetlands
- Barrier and coastal islands and headlands
- Prevent incidental bird mortality
- Please read the Strategic Framework for Bird Restoration Activities!



Project Idea Submission Portals

Restore the Texas Coast Website:

Submit a new idea.

<https://restorethetexascoast.org/>

Trustee Council's project idea submission portal:

Submit a new idea or revise an existing one.

<https://www.gulfspillrestoration.noaa.gov/restoration/give-us-your-ideas/suggest-a-restoration-project/>

Suggest a Project

Share Your Ideas

Do you have ideas for a specific restoration project in your area? You can use the online form below to give us the details and your information will be entered into our database. These suggested projects will be retained as part of a database that will be evaluated by the trustees for consideration in project-specific restoration plans that will be subject to public review and comment.

- Please keep a record of your confirmation number after submitting your information. It is useful for editing your submission in the future.
- You can edit your submission by selecting "Edit an Existing Project" in the form below.
- To see your submission and others in an interactive map [visit the "View Submitted Projects" page](#).

If you are having problems with the online form, email nrda.projects@noaa.gov to obtain a copy of the alternate submission form.

[Project Submission Guidelines \(click to expand\)](#)

Introduction Intro 1 2 3 4 5 6 Submit Next

Guidelines for Completion

Please complete all of the information requested with the best information that you have available. Specific instructions for each field in the form can be obtained by placing your mouse pointer on the symbol associated with the field title.

Would you like to enter a new project or edit an existing project?

Enter a New Project
 Edit an Existing Project
 Remove an Existing Project from Consideration

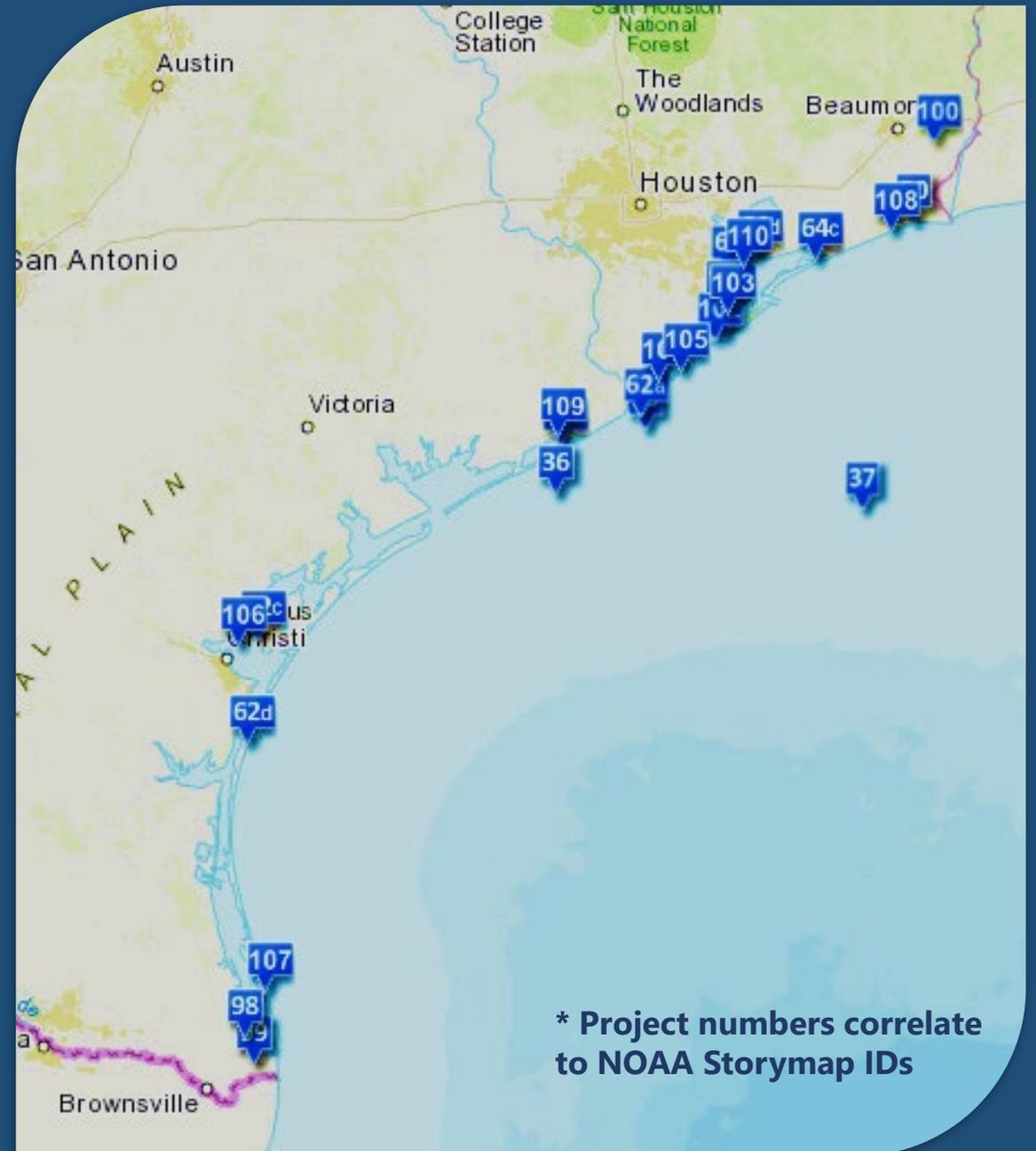
Texas Trustee Implementation Group Projects in Progress



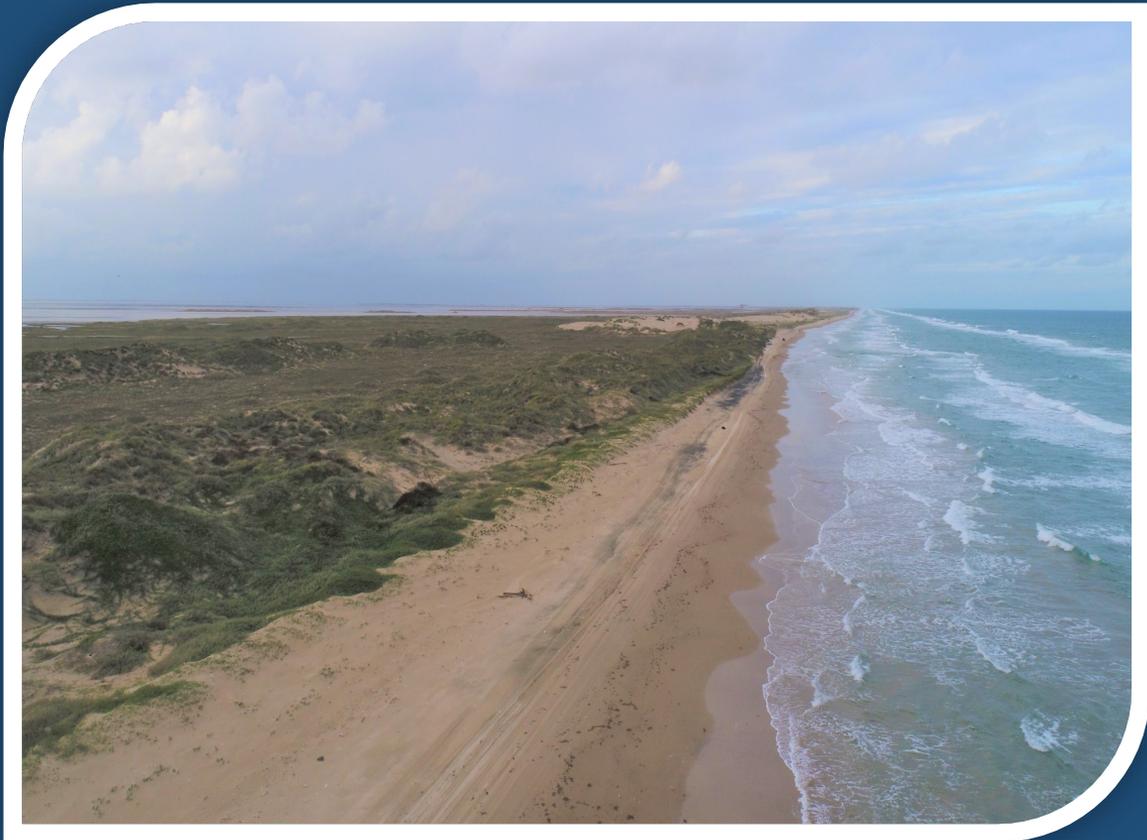
Current Projects

Twenty (20) active projects along the Texas coast include:

- Hydrologic and wetland restoration
- Habitat acquisition
- Park redevelopment and improvements
- Oyster restoration
- Artificial reef construction
- Sea turtle restoration
- Rookery Island construction



Laguna Atascosa Habitat Acquisition



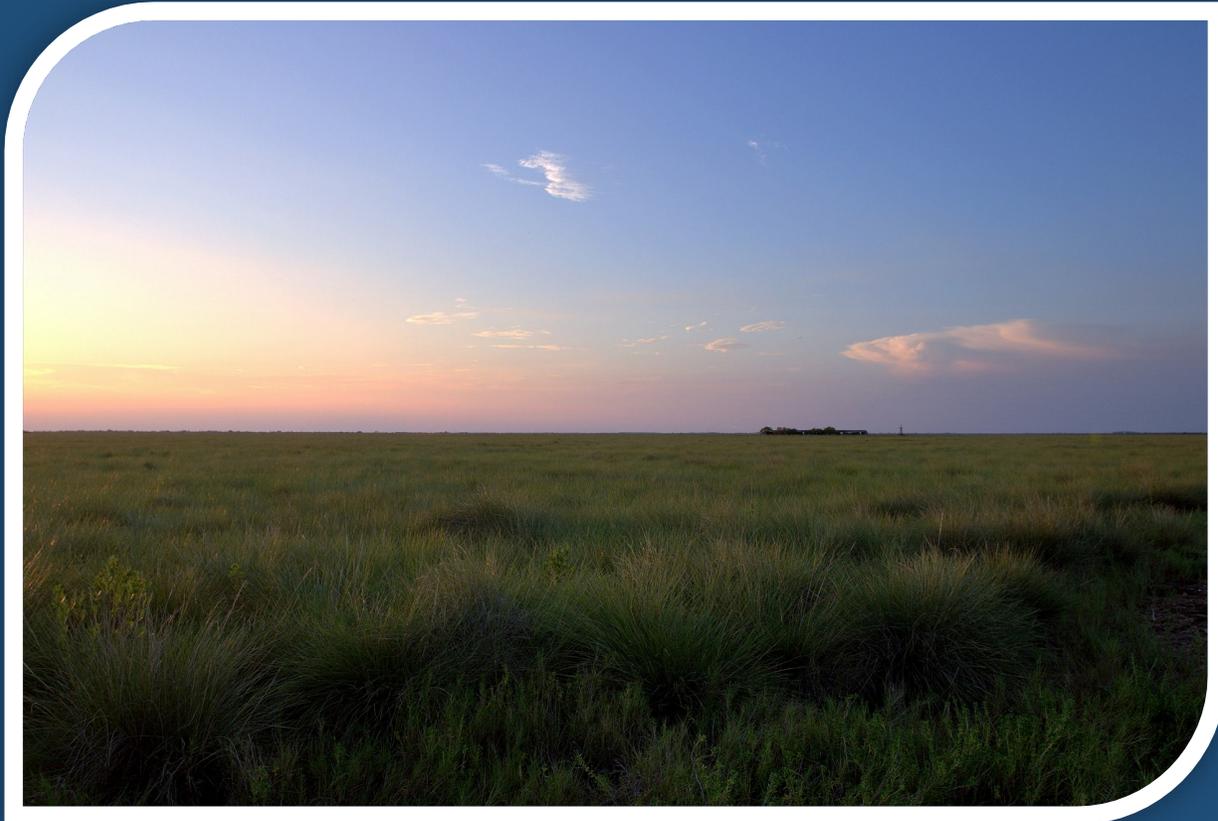
Location: South Padre Island, Texas

Description:

- Acquisition of important coastal habitat conveyed to U.S. Fish and Wildlife Service - Laguna Atascosa National Wildlife Refuge
- Targets acquisition of at least 1,682 acres of beach, dune, and tidal habitats

Benefits: Wetlands, coastal and nearshore habitats

Mid-Coast Habitat Acquisition



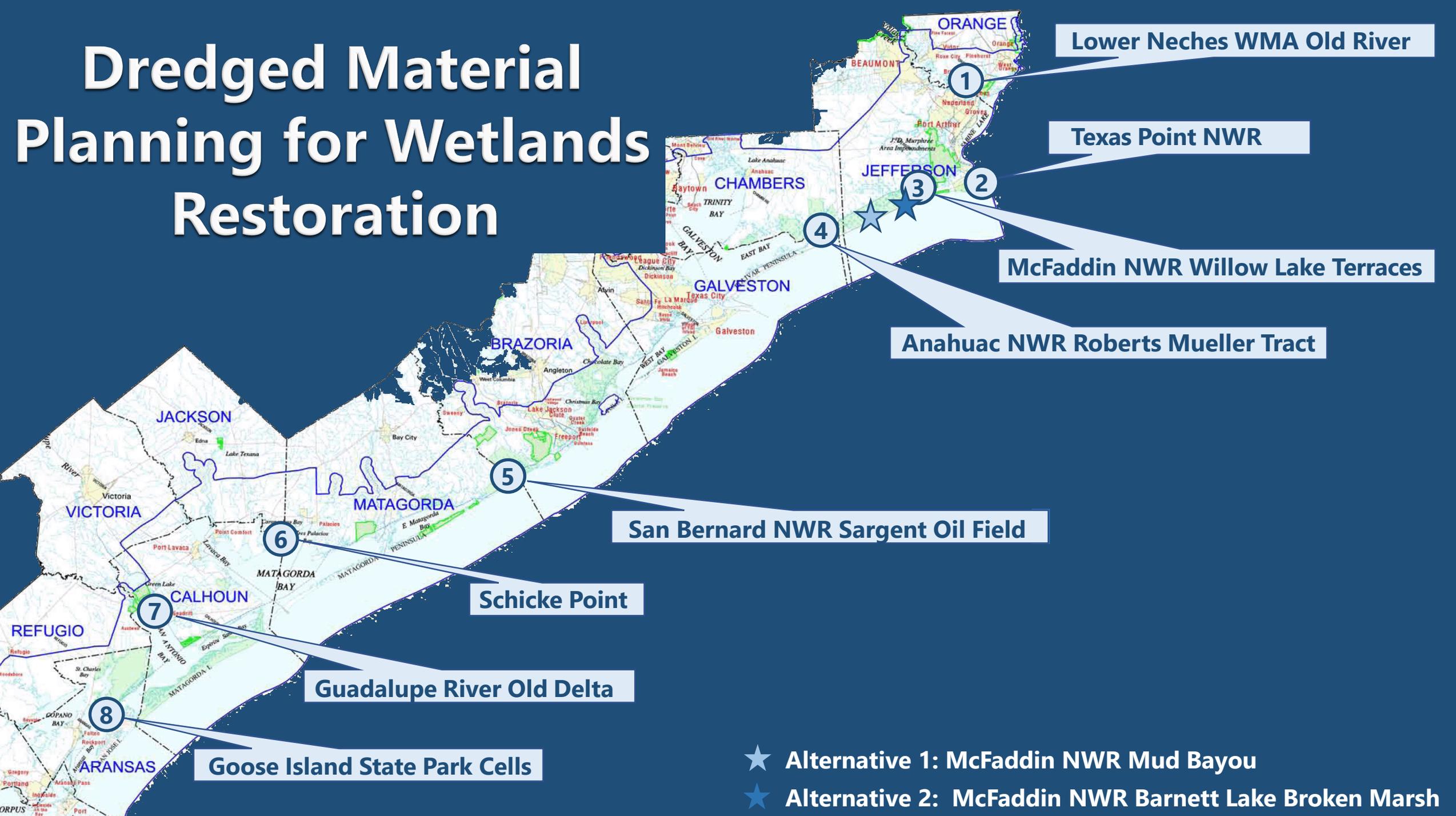
Location: East Matagorda Bay, Lake Austin, and Chinquapin Bayou

Description:

- Coastal salty prairie and tidal wetland habitat that supports affected fish and wildlife
- Land acquisition of 693 acres conveyed to US Fish and Wildlife Service - Big Boggy National Wildlife Refuge

Benefits: Long-term protection of wetlands and nearshore habitats

Dredged Material Planning for Wetlands Restoration



1 Lower Neches WMA Old River

2 Texas Point NWR

3 McFaddin NWR Willow Lake Terraces

4 Anahuac NWR Roberts Mueller Tract

5 San Bernard NWR Sargent Oil Field

6 Schicke Point

7 Guadalupe River Old Delta

8 Goose Island State Park Cells

- ★ Alternative 1: McFaddin NWR Mud Bayou
- ★ Alternative 2: McFaddin NWR Barnett Lake Broken Marsh

Bird Island Cove

Location: West Galveston Bay, Bird Island Cove

Description: Project to conduct preliminary and final engineering and design of a breakwater structure to protect McAllis and Shell Island points, Bird Island Cove, and a portion of Jumbile Cove

Benefits: Breakwater structure to provide roughly 8,500 linear feet of protection to marshes and previously restored marshes in West Bay



Recently Completed Projects and the 2020 Hurricane Season



Send us your feedback...

Please submit your comments on this presentation through the Texas Parks & Wildlife Department Comment Portal:

https://tpwd.texas.gov/business/feedback/public_comment/

Texas Trustee Implementation Group Annual Public Meeting

- Date: November 4, 2020
- Time: 12 a.m. to 11:59 p.m. CST
- **Please view the video**, and submit comments at the Texas Parks and Wildlife Department's public comment portal under the "Texas TIG Annual Meeting Video Presentation" heading.



If you need special assistance, including language assistance, please contact TXDWHNRDA@tpwd.texas.gov by October 28, 2020.

A PDF of the presentation slides will be posted and available at the [Trustees' Texas Restoration Area](#) page on November 6, 2020.



Thank you!

