



Deepwater Horizon

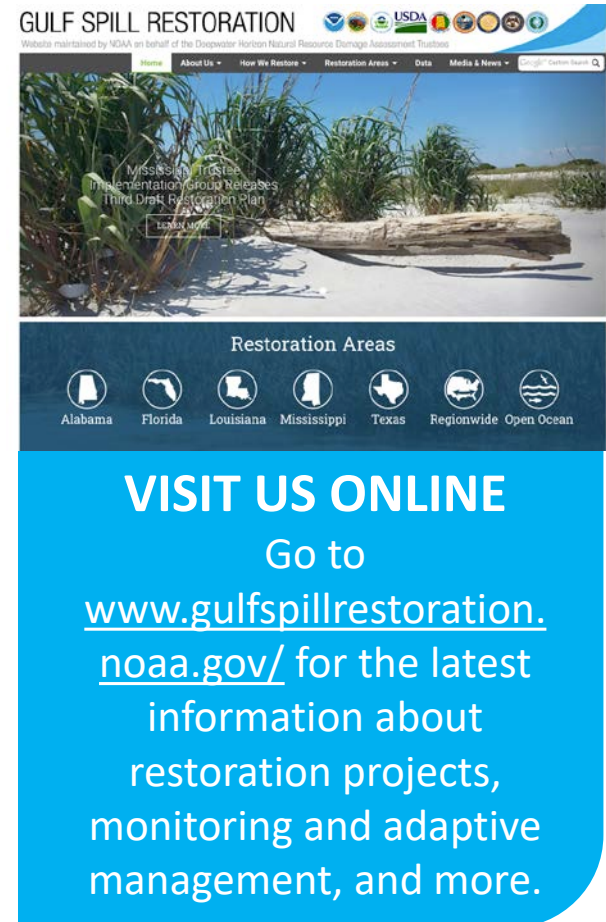
Natural Resource Damage Assessment & Restoration

Trustee Council Annual Public Meeting



Tonight's Agenda

- Welcome and Introduction
- Trustee Council Update
- Restoration Area Updates
- Your Comments
- Open House with Q & A



The screenshot shows the homepage of the Gulf Spill Restoration website. At the top, the title "GULF SPILL RESTORATION" is displayed alongside logos for NOAA, EPA, and USDA. Below the title, a navigation menu includes links for "Home", "About Us", "How We Restore", "Restoration Areas", "Data", and "Media & News". The main content area features a large image of a coastal landscape with a log on the sand and a text overlay that reads "Mississippi Trustee Implementation Group Releases Third Draft Restoration Plan". Below the image is a "Restoration Areas" section with icons for Alabama, Florida, Louisiana, Mississippi, Texas, Regionwide, and Open Ocean. A prominent blue banner at the bottom contains the text "VISIT US ONLINE" and "Go to www.gulfspillrestoration.noaa.gov/ for the latest information about restoration projects, monitoring and adaptive management, and more."

Trustee Council Representatives



FLORIDA
Lisa
Robertson



ALABAMA
Chris
Blankenship
(Chair)



MISSISSIPPI
Chris
Wells



LOUISIANA
Bren Haase



TEXAS
Robin
Riechers



DOI
Mary Josie
Blanchard



EPA
Navis
Bermudez



NOAA
Chris
Doley

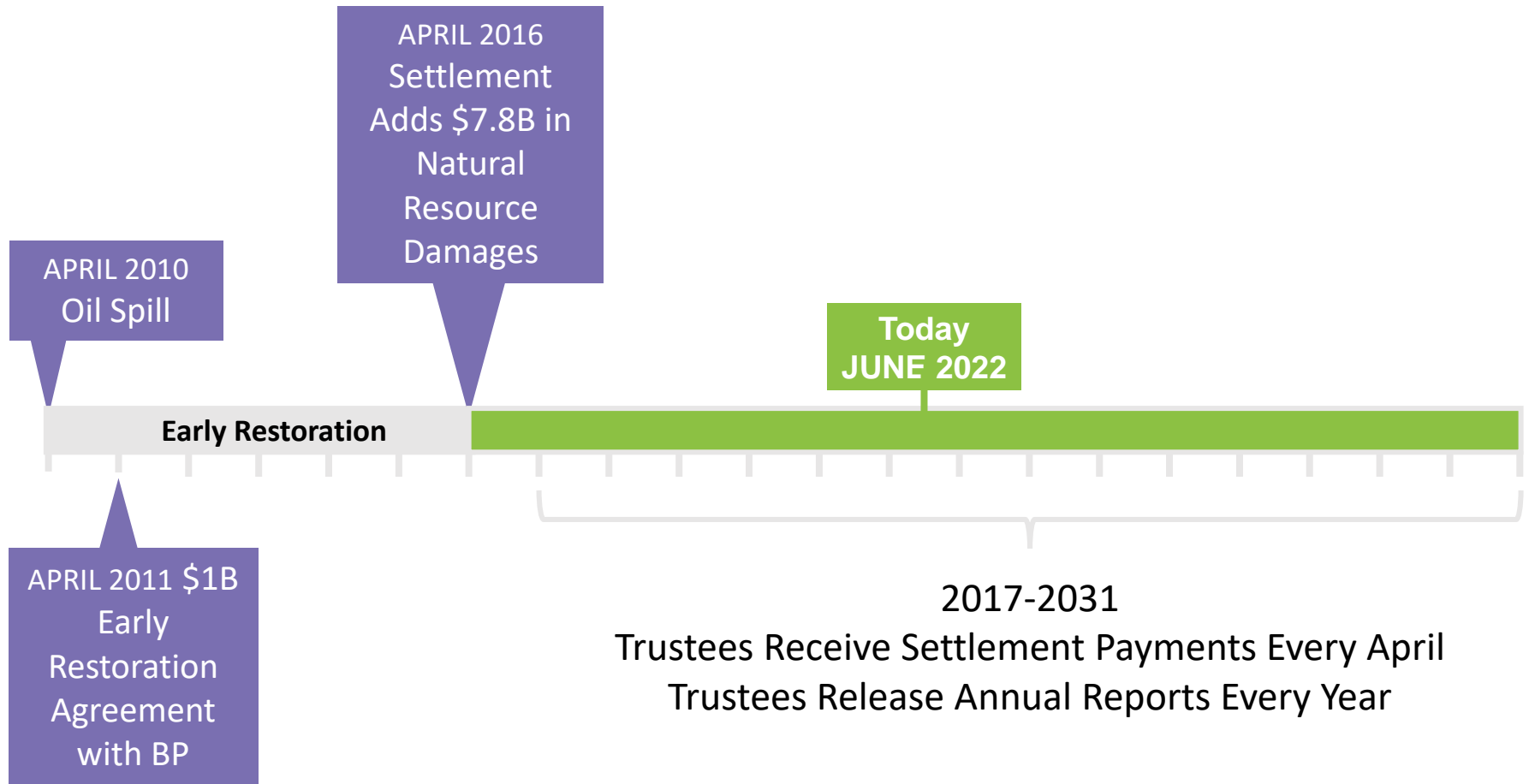


USDA
Ronald
Howard

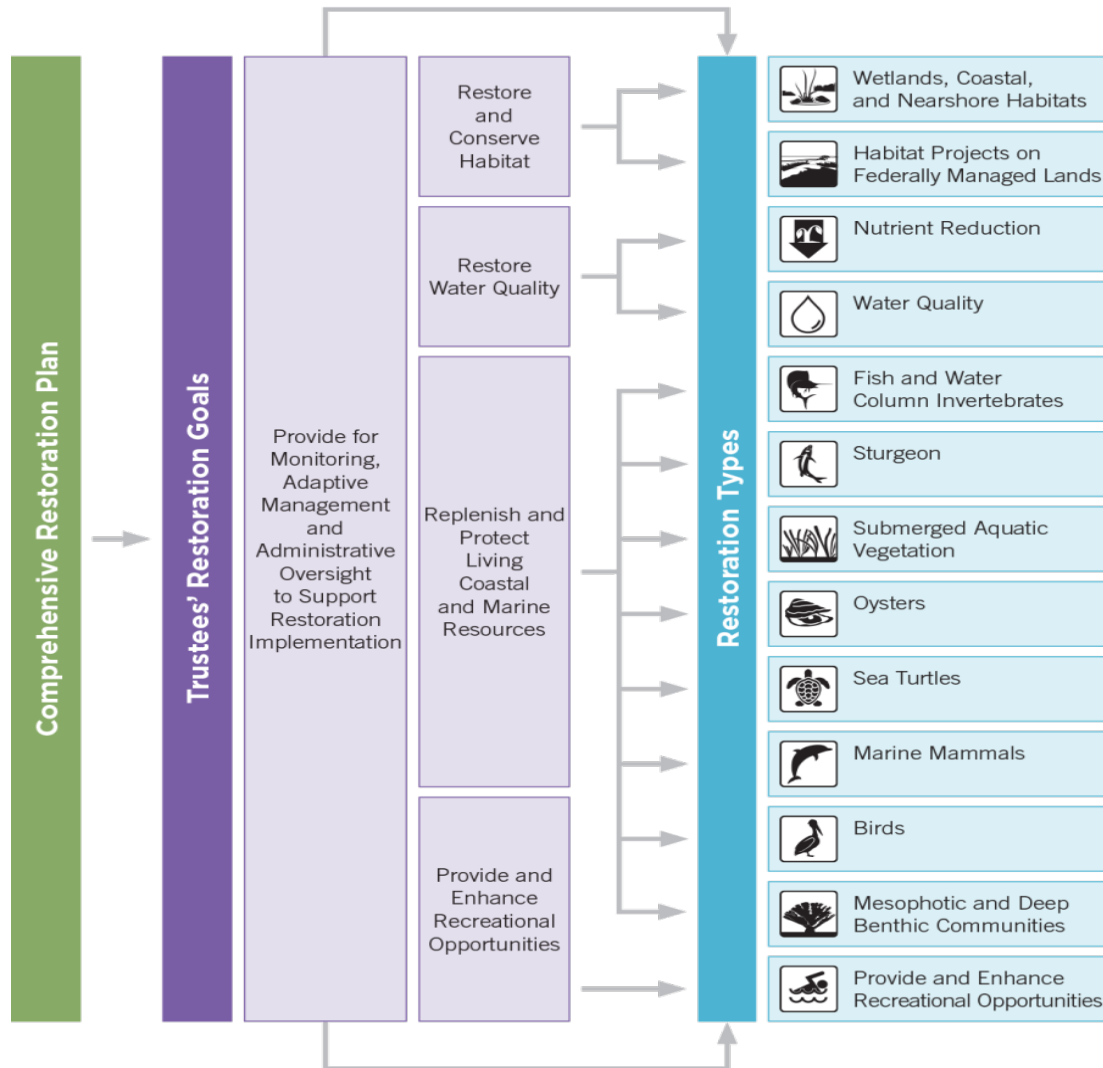


Trustee Council Update

Timeline of Key Restoration Events



Programmatic Damage Assessment and Restoration Plan



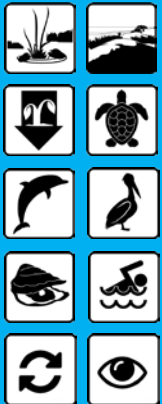
Allocation of Restoration Funds



Alabama

*Trustees for
Alabama*

*Federal
Trustees*



\$295 million



Florida

*Trustees for
Florida*

*Federal
Trustees*



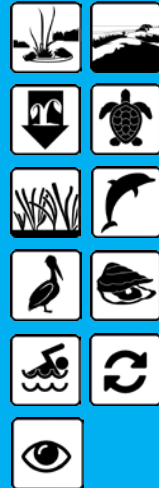
\$680 million



Louisiana

*Trustees for
Louisiana*

*Federal
Trustees*



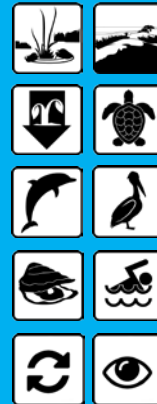
\$5 billion



Mississippi

*Trustee for
Mississippi*

*Federal
Trustees*



\$295 million



Texas

*Trustees for
Texas*

*Federal
Trustees*

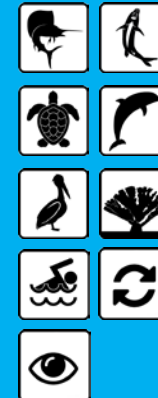


\$238 million



**Open
Ocean**

*Federal
Trustees*

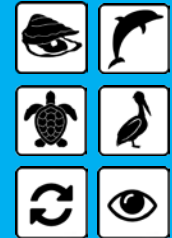


\$1.24 billion



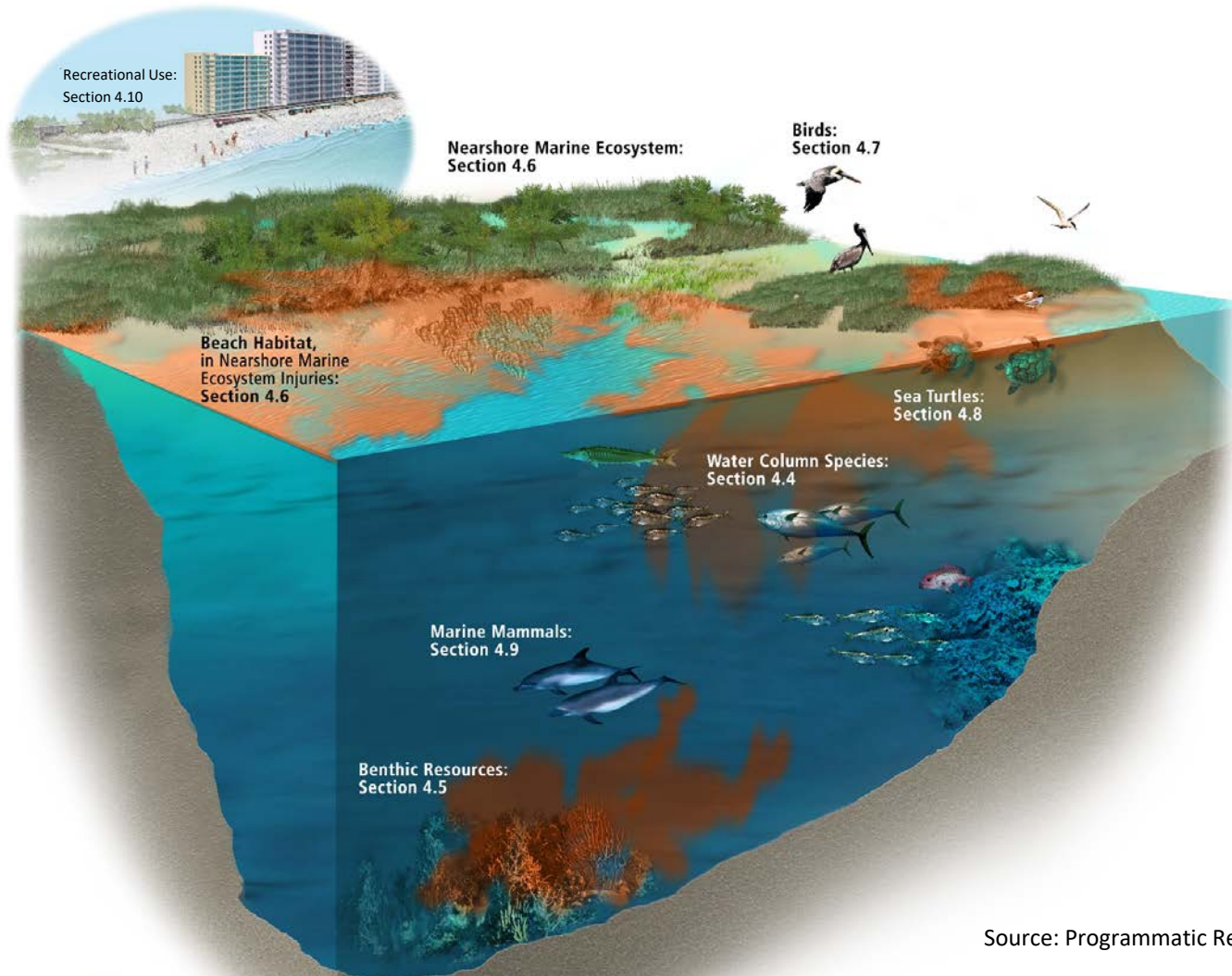
**Region-
wide**

All Trustees



\$349 million

Ecosystem Approach



Source: Programmatic Restoration Plan

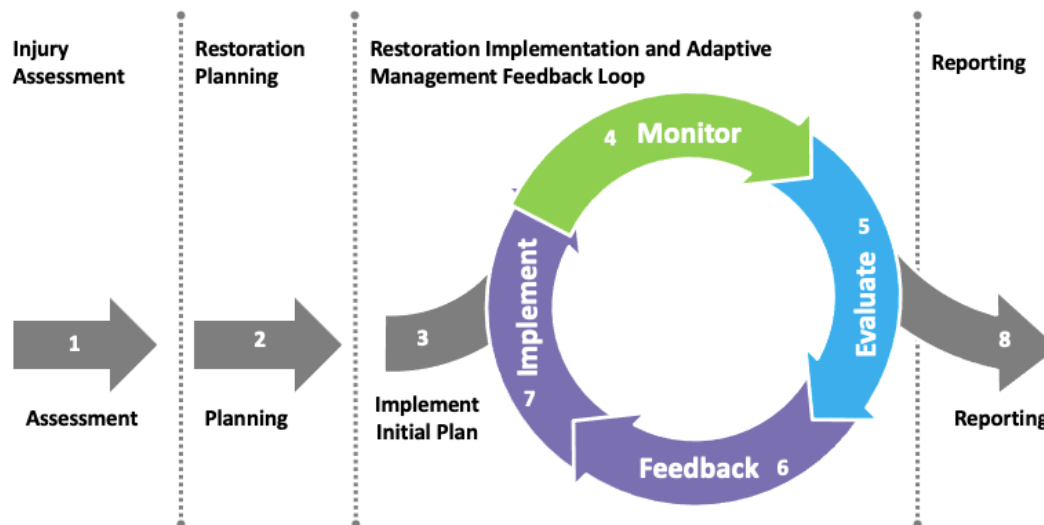
Restoration Work Since Settlement

- Individual projects often benefit multiple restoration types
- Some projects are located in multiple locations across the Gulf
- We leverage funding sources to maximize Gulf ecosystem restoration
- We work with local experts to benefit resources and the services they provide



Monitoring and Adaptive Management

- Completed monitoring guidance
- Supported the first programmatic evaluation and beginning to consider efforts for the next programmatic review
- Continuing to identify opportunities for improving data management



Outreach and Reporting

2021

- Nearly 60 webstories on Gulf Spill Restoration
- Nearly a dozen webinars and continued work on “virtual” engagement opportunities

The screenshot shows the homepage of the Gulf Spill Restoration website. At the top, the title "GULF SPILL RESTORATION" is displayed in large, bold, white letters against a dark blue background. Below the title, a navigation menu includes links for "Home", "About Us", "How We Restore", "Restoration Areas", "Data", and "Media & News". A search bar is located on the right side of the navigation menu. The main content area features a large, vibrant image of a blue fish swimming underwater. Overlaid on this image is the text "Open Ocean Trustees Release Restoration Strategy for Fish Water Column Invertebrates" and a "LEARN MORE" button. Below the main image, there is a section titled "Restoration Areas" with icons representing Alabama, Florida, Louisiana, Mississippi, Texas, Regionwide, and Open Ocean. Further down, a "Recent Updates" section displays three news items with small images and "Read More..." links. At the bottom of the page, a green banner contains the text "Draft Plans Currently Open for Public Comment" and a "COMMENT NOW" button.

Programmatic Review



Deepwater Horizon Natural Resource Damage Assessment

Programmatic Review

November 2021



Documented more than **93,200** sea turtle nests that facilitated the return of millions of sea turtle hatchlings to the ocean



25 watersheds with nutrient reduction projects in implementation



3,870

acres of oyster habitat enhanced or restored



Commercial fishing partnerships conserved **1 million** pounds of oceanic fish to grow and reproduce



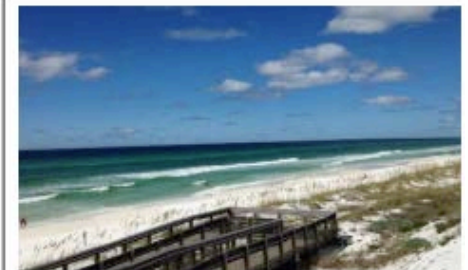
Enhancement of stranding response capacity for marine mammals

74

projects implemented to provide and enhance recreational opportunities in the Gulf



Restored **2,120 acres** and acquired and protected **3,080 acres** of habitat important for bird breeding and foraging



2,350

acres of marsh, beach, and dune habitats created, restored, or enhanced



More than **5,600** acres of wetland, coastal, and nearshore habitat acquired and protected

Programmatic Review

Deepwater Horizon Natural Resource Damage Assessment Programmatic Review

Introduction

Administrative Oversight

Restoration Planning, Implementation, and Monitoring and Adaptive Management

Restoring and Conserving Habitat

Restoring Water Quality

Replenishing and Protecting Living Coastal and Marine Resources

Providing and Enhancing Recreational Opportunities



Introduction

2021 PROGRAMMATIC REVIEW

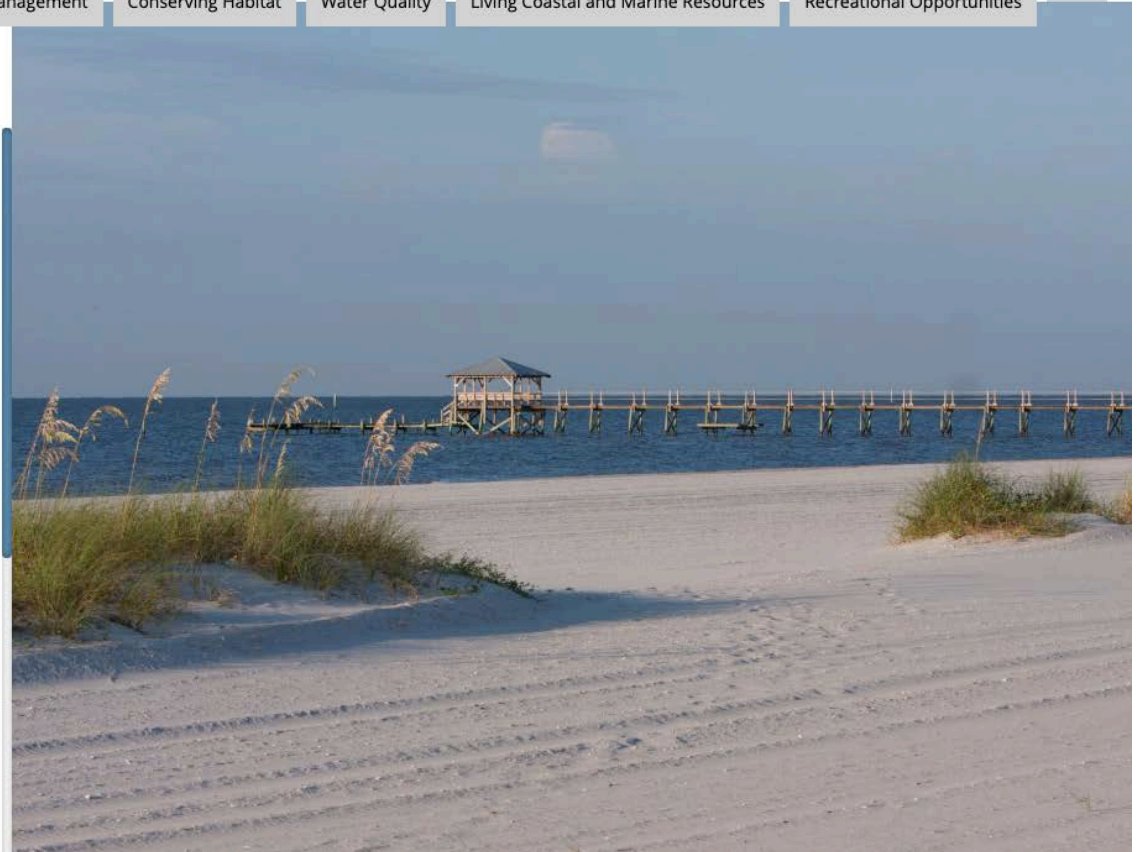
The 2021 Programmatic Review serves as the *Deepwater Horizon* Trustees' first programmatic review. It provides a summary of the Trustees' progress through year-end 2020. Explore the tabs at the top of this interface to learn more about our restoration work so far.

[VIEW THE FULL DOCUMENT](#)
2021 Programmatic Review

HISTORY OF THE SPILL AND SETTLEMENT

The 2010 *Deepwater Horizon* oil spill was an unprecedented event. Approximately 3.2 million barrels of oil were released into the deep ocean over nearly three months. The spill and associated response actions resulted in injuries to numerous habitats and resources, species, and ecological functions.

Overall, injuries affected such a broad array of natural resources and ecological services over an expansive area that they are described in the Final Programmatic Damage Assessment and Restoration Plan and Final Programmatic Environmental Impact Statement ([Trustees' Programmatic Restoration Plan](#)) as an ecosystem-level injury to the northern Gulf of Mexico.



An aerial photograph of a wetland restoration area. The landscape is dominated by lush green vegetation, including grasses and shrubs, interspersed with dark, still water bodies. A prominent feature is a winding waterway that flows from the upper left towards the center, where it drops over a small, rocky waterfall. The waterway continues to wind through the area, eventually leading to a larger, more open water body on the right. The overall scene depicts a healthy, restored ecosystem.

Restoration Area Updates



Alabama Restoration Area

Chris Blankenship

Alabama Department of Conservation and Natural
Resources

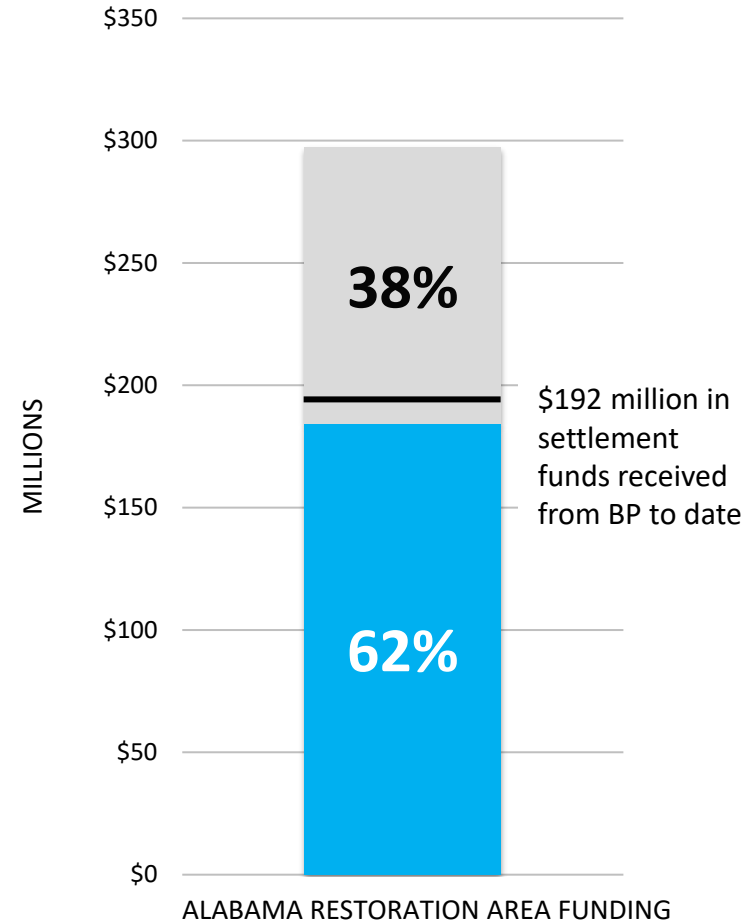
Alabama Funding Update



- \$295 million total allocation for the Alabama Restoration Area
- We have received \$192 million from BP to date

\$185 million

Approximate amount committed for projects and activities as of May 2022



Bayfront Park Restoration & Improvement



- Bayfront Park is a 20-acre park on Mobile Bay that includes wetlands and coastal birding habitats.
- Park renovations funded by NRDA include construction of a pocket beach (protected sandy beach), new restroom and park office, new playground, new parking areas, new boardwalk, pavilions, and more.
- Designated conservation areas within the park will continue to be protected.



Future Alabama Activities



- Continue implementation and monitoring of projects
- Annual Meeting of Alabama Trustee Implementation Group, Fall 2022



Florida Restoration Area

Lisa Robertson

Florida Department of Environmental Protection

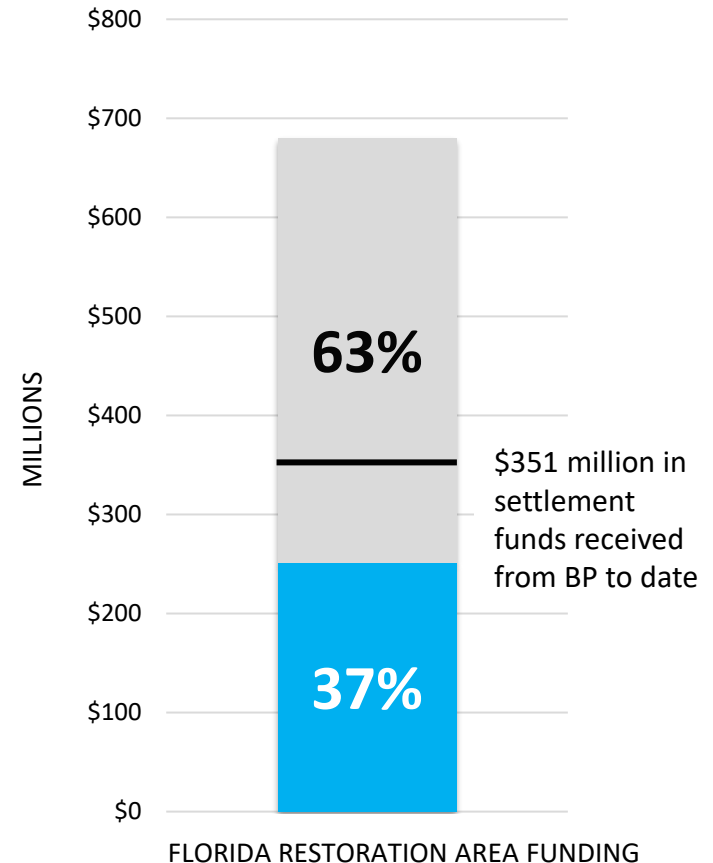
Florida Funding Update



- The total allocation is \$680 million
- 71 projects plus planning activities approved

\$251 million

Approximate amount committed
for projects and activities
as of May 2022



Recent Florida Activities



- Continued implementation and monitoring of Early Restoration projects and RP1 projects
- Held the TIG's annual public meeting in December 2021
- Released the Final Restoration Plan 2 in June 2021 (18 projects, totaling \$62 million)
- Released the Draft Restoration Plan for the fourth phase of the Florida Coastal Access Project in April 2022

Featured Project: Florida Pensacola Bay Living Shoreline Project



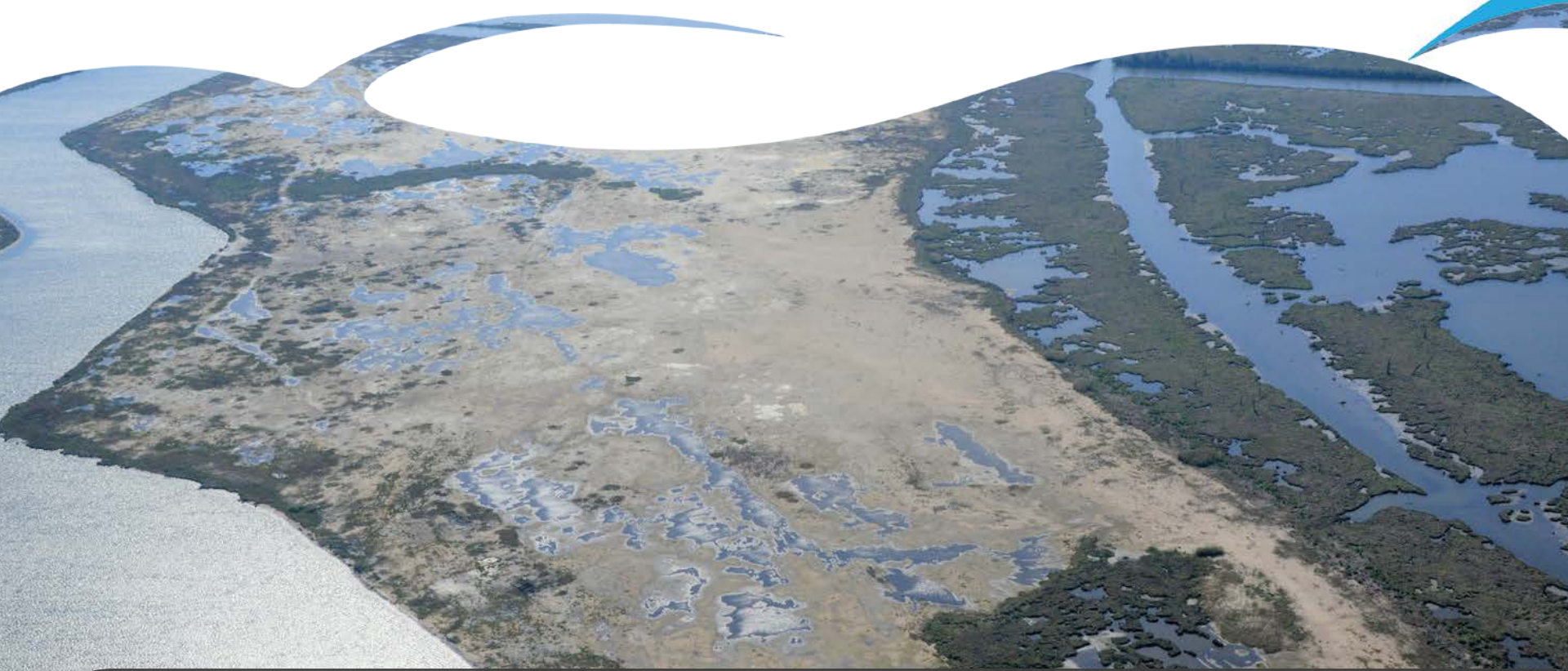
- Restoration Type: Wetlands, Coastal and Nearshore Habitats
- Budget: \$10,828,063
- Constructed a living shoreline to provide habitat and reduce erosion at Project GreenShores Site II



Future Florida Activities



- Continue implementation and monitoring of Early Restoration projects
- Continue implementation and monitoring of Final Restoration Plans 1 and 2 projects
- Finalize and release Restoration Plan for the fourth phase of the Florida Coastal Access Project in July
- Begin Restoration Plan 3 planning in fall 2022
- Hold Annual Public Meeting in late fall 2022



Louisiana Restoration Area

Maury Chatellier

Louisiana Coastal Protection and Restoration Authority

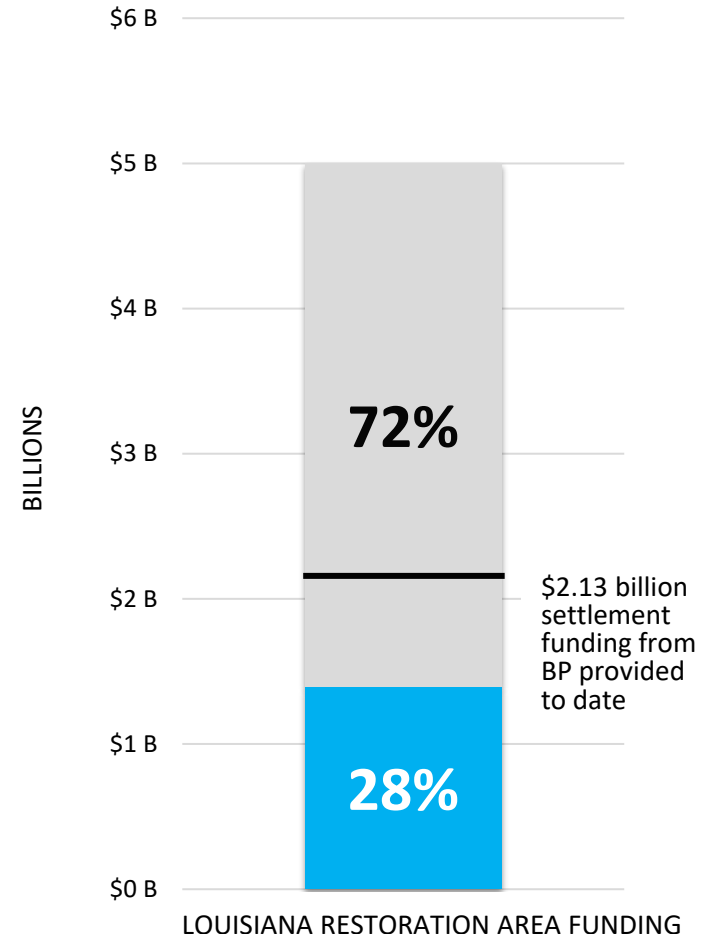
Funding Update



- The total allocation for Louisiana is \$5 billion.
- We have received \$2.13 billion from BP to date.

\$1.4 billion

Approximate amount committed
for projects and activities as of
May 2022



Recent Activities

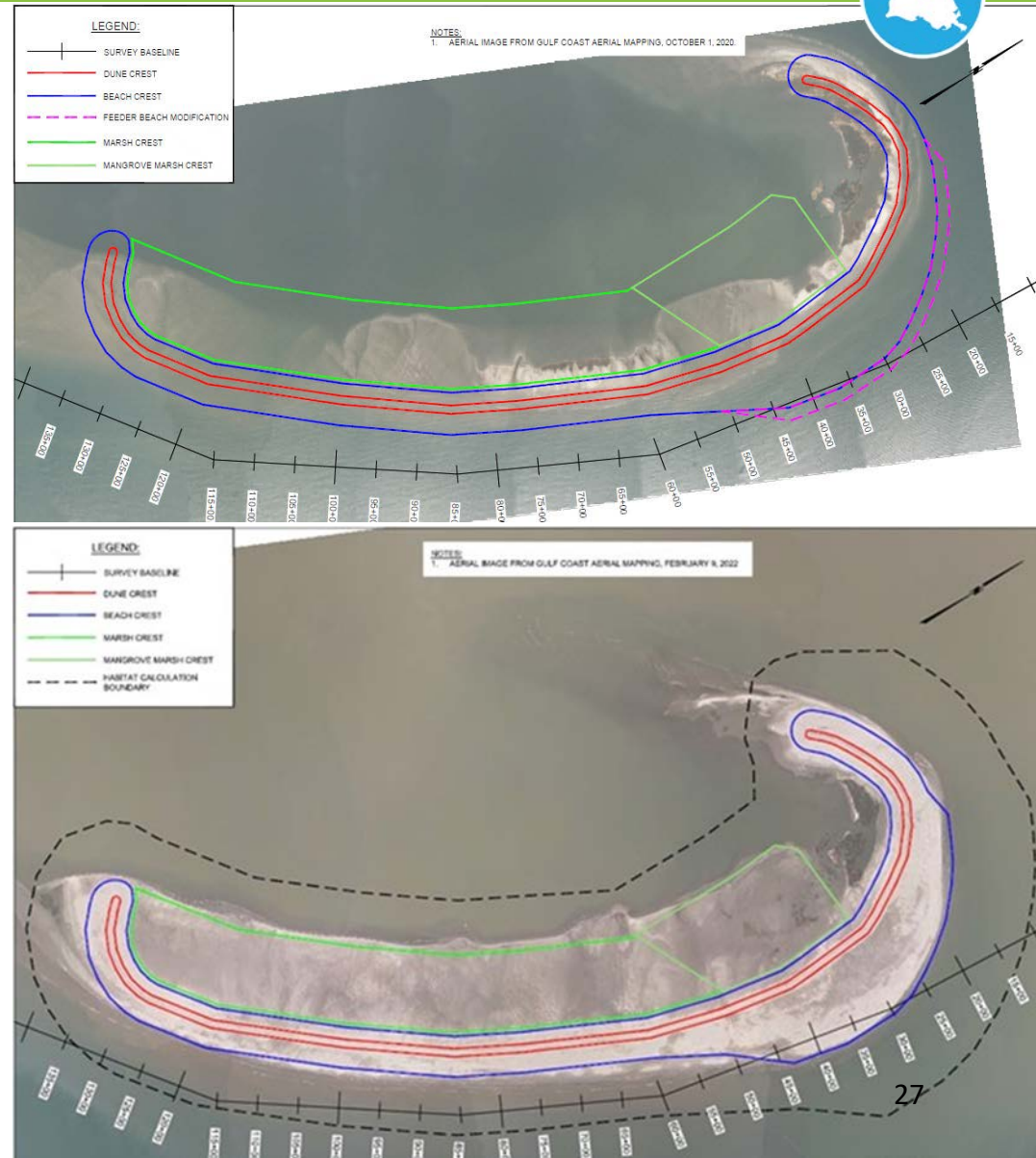


- **Large Scale Barataria Marsh Creation** - \$180M marsh creation utilizing Mississippi River dredge material in Plaquemines and Jefferson parishes.
- **Lake Borgne Marsh Creation** – Largest marsh creation project by acreage ever constructed by the TIG.
- **Large Scale Barataria Marsh and Ridge Restoration - Spanish Pass Increment** – Largest project ever by volume constructed by the TIG.
- MAM strategy document and development of MAM Implementation Plans totaling \$20.1M.

North Breton Island Restoration



- Construction completed January 5, 2022
- Island expanded from 290 acres to 426 acres
- Construction completed for \$55,012,805
- Future native vegetation planting contract will plant 282 acres



Future and Ongoing Activities



Draft Restoration Plan and Environmental Impact Statement #3.2

- Mid Barataria Sediment Diversion
- Proposed budget up to \$2,200,000,000

Draft Restoration Plan and Environmental Assessment #8

- Wetlands, Coastal and Nearshore Habitats
- Proposed budget \$74,800,000

Draft Restoration Plan and Environmental Assessment #7.1

- Birds
- Proposed budget \$TBD



Mississippi Restoration Area

Chris Wells

Mississippi Department of Environmental Quality

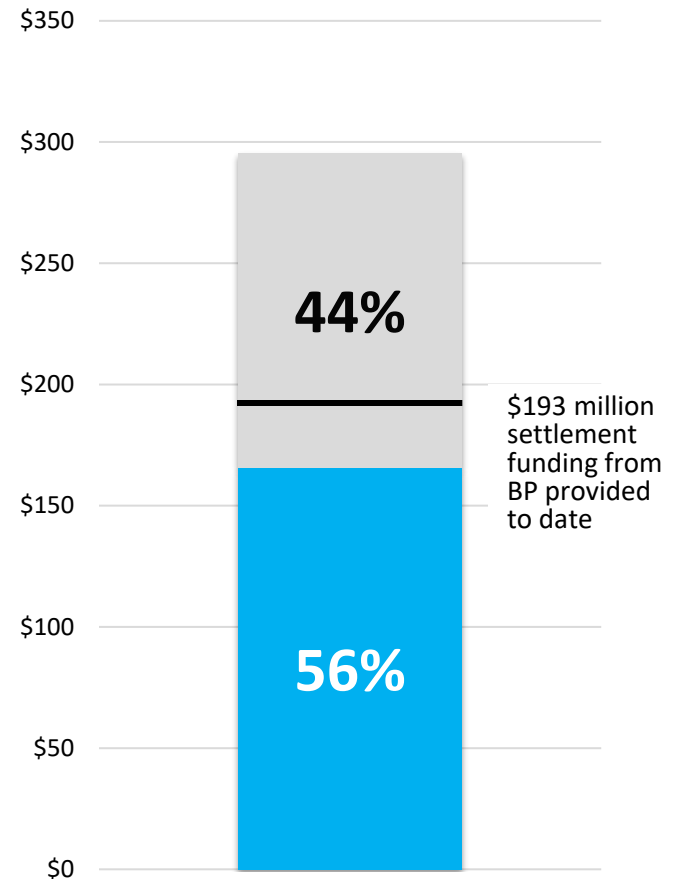
Funding Update



- The total allocation is \$295 million.
- We have received \$193 million from BP to date.

\$166 million

Approximate amount committed
for projects and activities as of
May 2022



MISSISSIPPI RESTORATION AREA FUNDING

Recent Activities



- The MS TIG released our third Draft Restoration Plan/Environmental Assessment in December of 2021 which proposed seven restoration projects; final plan to be published this month.
- In February 2022 we requested project ideas from the public for RP 4 which may include Wetlands, Coastal, and Nearshore Habitats; Nutrient Reduction; and Provide and Enhance Recreational Opportunities.

Future Activities

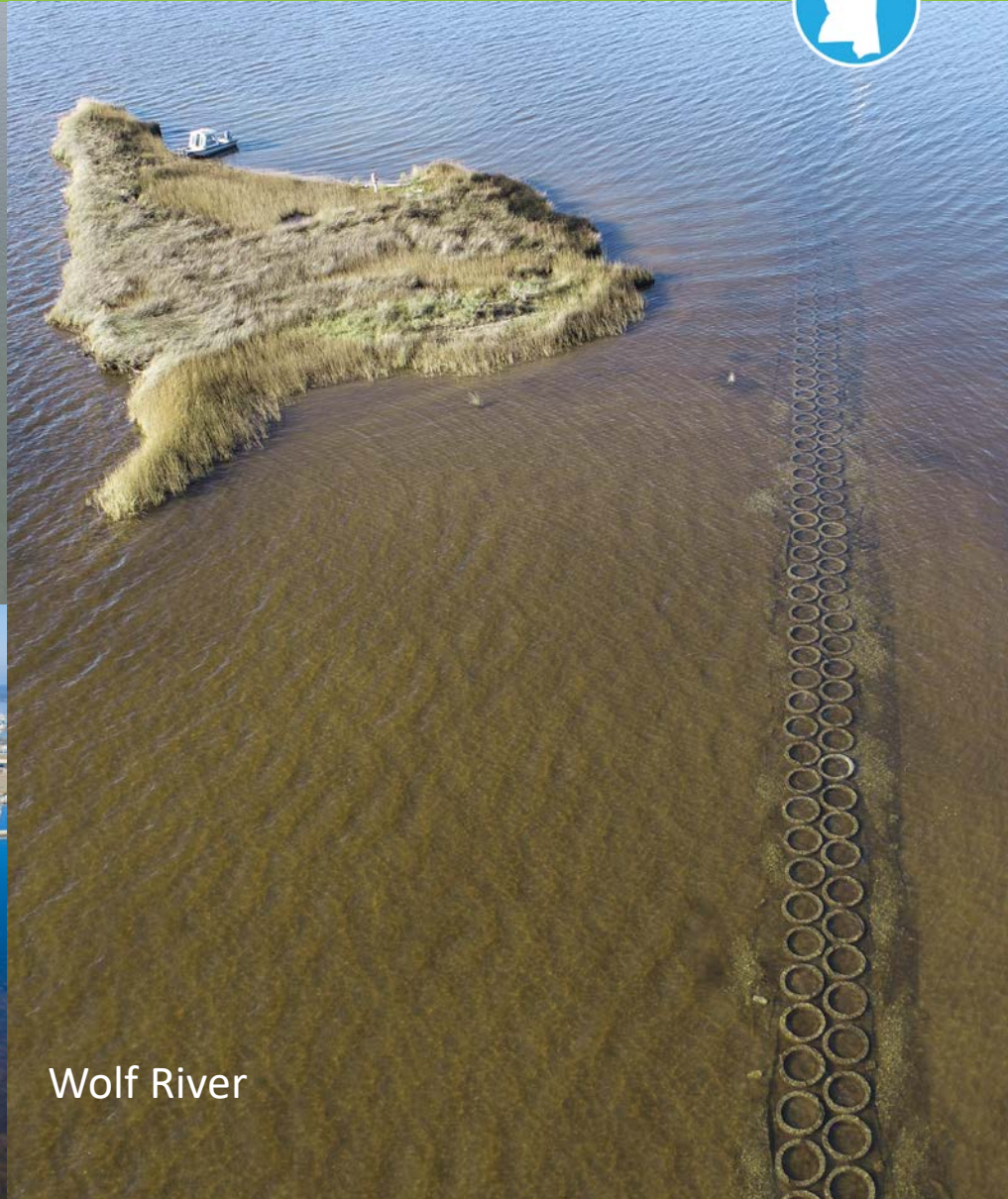


- Continue restoration project implementation and monitoring.
- Finalize and release Restoration Plan 4 which is slated for publication in spring 2023.
- Hold Annual Meeting and Mississippi Restoration Summit in the fall of 2022.

Featured Project: Restoring Living Shorelines and Reefs in Mississippi Estuaries



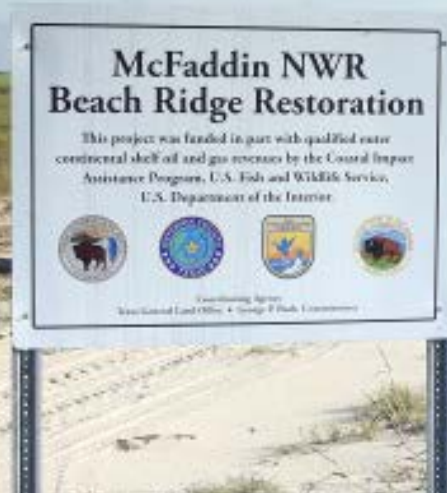
Bangs Bayou



Wolf River



Deer Island



Texas Restoration Area

Robin Riechers
Texas Parks and Wildlife Department

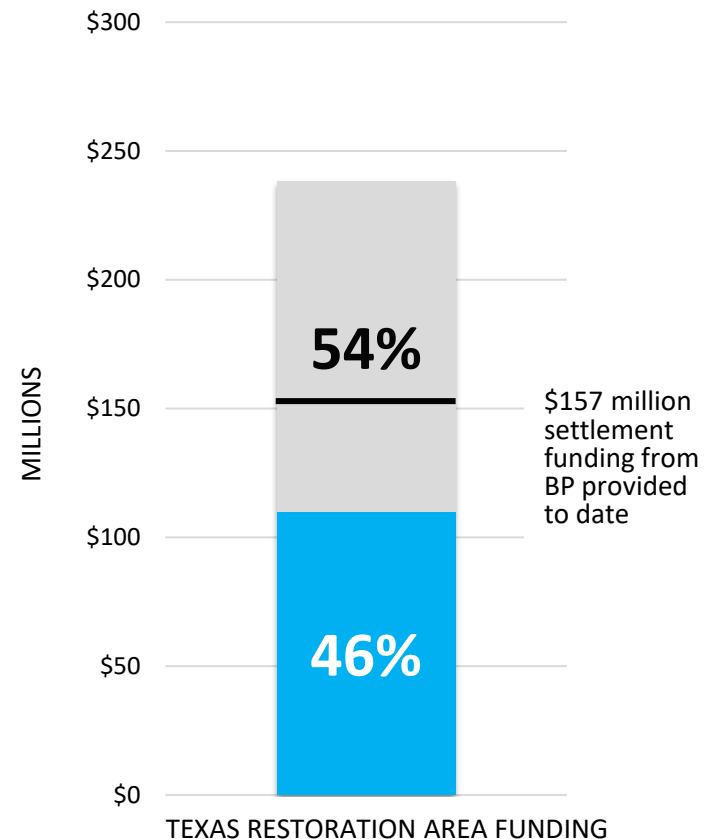
Texas Funding Update



- The total allocation is \$238 million
- We have received \$157 million from BP to date

\$109 million

Approximate amount committed for projects and activities



Recent Texas Activities - Construction



Construction

- McFaddin Beach and Dune Restoration
- Pierce Marsh Wetland Restoration
- Galveston Island State Park Beach Redevelopment



Pierce Marsh



Recent Texas Activities - Monitoring

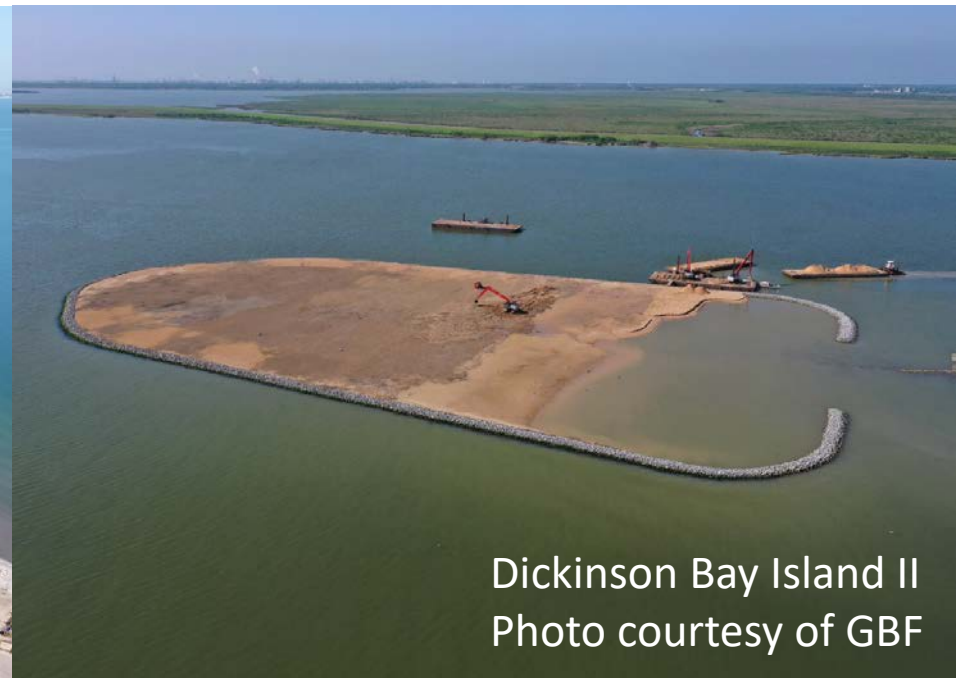


Monitoring

- Indian Point Shoreline Erosion Protection
- Texas Rookery Islands - Dickinson Bay Island II
- Laguna Atascosa and Mid-Coast Habitat Acquisitions



Indian Point



Dickinson Bay Island II
Photo courtesy of GBF

Featured Project - Hydrologic Restoration in Bahia Grande



- Purpose is to restore flow and tidal exchange, and lower salinities
- Anticipated to have a positive effect on over 1,400 acres of aquatic and marsh habitat



Future Texas Restoration Project Activities



Implementation and Monitoring of 17 active restoration projects

- Project Planning
 - Texas Rookery Islands: Dressing Point and Rollover Island
 - Dredge Material Planning for Wetland Restoration
 - Essex Bayou Habitat Restoration Engineering
- Project Implementation
 - Follets Island Habitat Acquisition
 - Bessie Heights Wetland Restoration
 - Pierce Marsh Wetland Restoration
 - Sea Turtle Early Restoration



Nesting kemp's ridley sea turtles



Rescuing cold-stunned sea turtles

Future Texas Restoration Plan



Draft Restoration Plan 2

- 13 proposed preferred projects
 - 4 – Wetlands, Coastal, Nearshore Habitat
 - 2 - Nutrient Reduction
 - 1 - Oyster
 - 2 - Sea Turtle
 - 4 - Birds
- Finalization in late summer 2022





Open Ocean Restoration Area

Laurie Rounds
National Oceanic and Atmospheric Administration

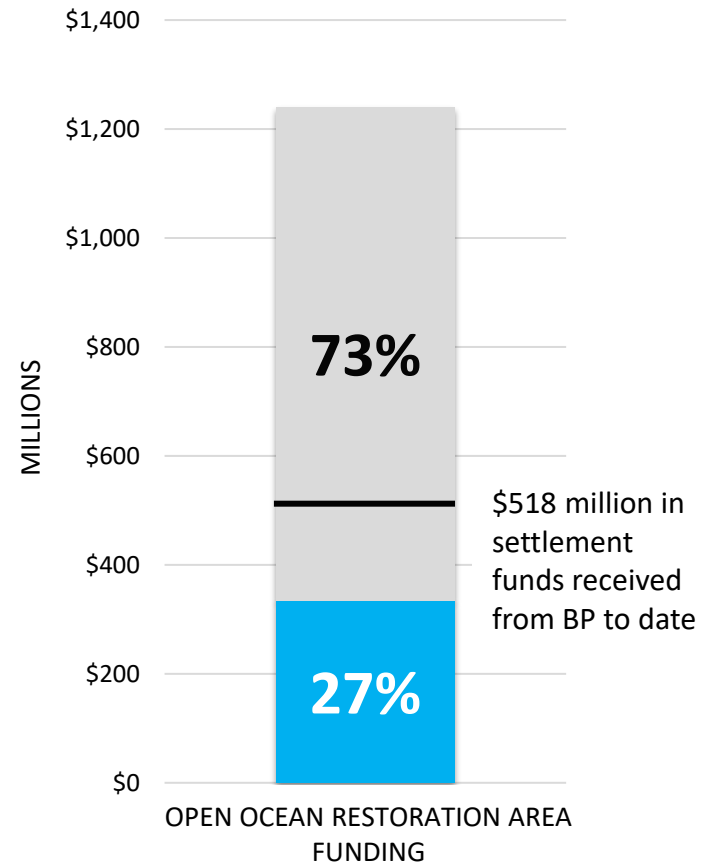
Open Ocean Funding Update



- The total allocation is \$1.2 billion, which will be received in payments through 2031.
- We have received \$518 million from BP to date.

\$340 million

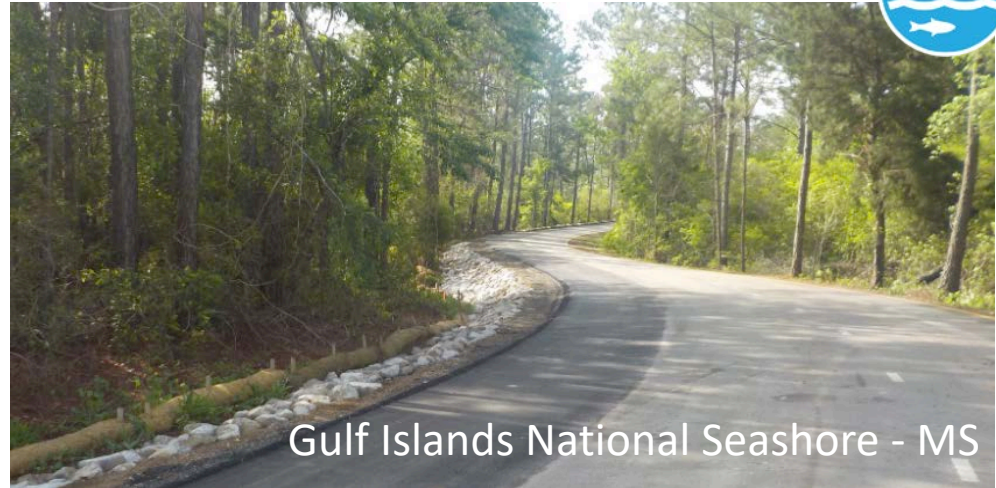
Approximate amount committed
for projects and activities as of
May 2022



Recent Open Ocean Activities



- Implementing 21 restoration projects approved in 2019
- Completing three early restoration projects



Gulf Islands National Seashore - MS



Oceanic Fish Restoration Project

Recent Open Ocean Activities



Monitoring and Adaptive Management Activities:

- Cumulative Impact of Stressors on Cetaceans
- Juvenile Gulf Sturgeon-Population Dynamics & Habitat Use
- Gulf Sturgeon Population Status & Trends

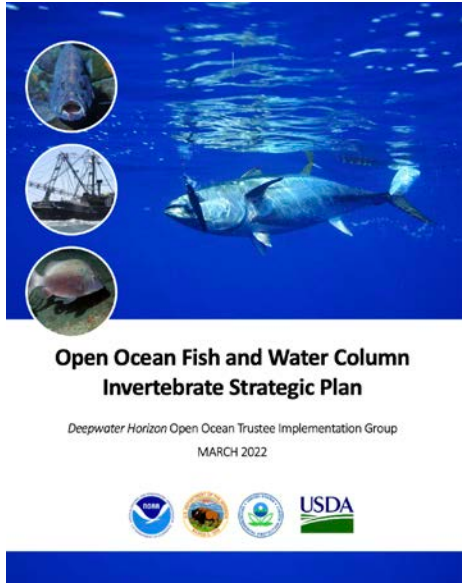


Cumulative Impact of Stressors on Cetaceans



Juvenile Gulf Sturgeon

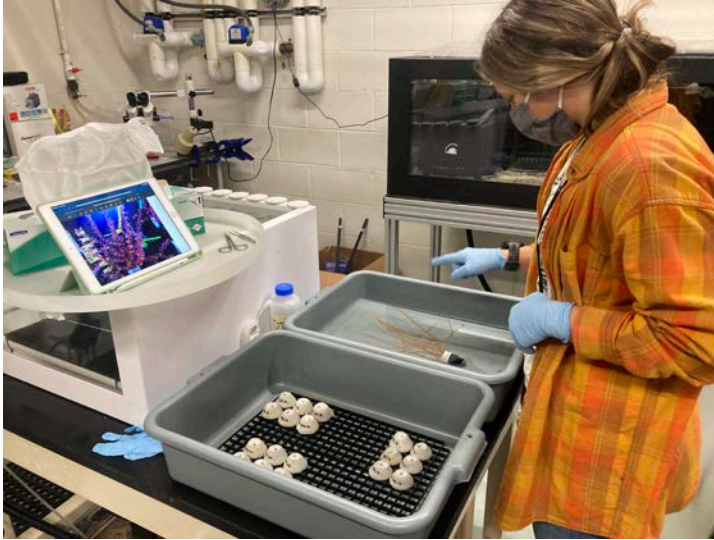
Recent Open Ocean Activities



Released a Strategic Plan
for Fish and Water
Column Invertebrates
restoration

Began drafting our
third restoration plan
focused on seabirds

Featured Project: Coral Propagation Techniques Development



- Successfully reared small mesophotic coral colonies.
- Lab staff produced 18 coral fragments from six colonies.
- One coral species spawned and recruited in the lab.
- Ten new coral recruits continue to thrive and grow.

Future Open Ocean Activities



Restoring Deepsea Habitat



Reef Fish



Common Loons



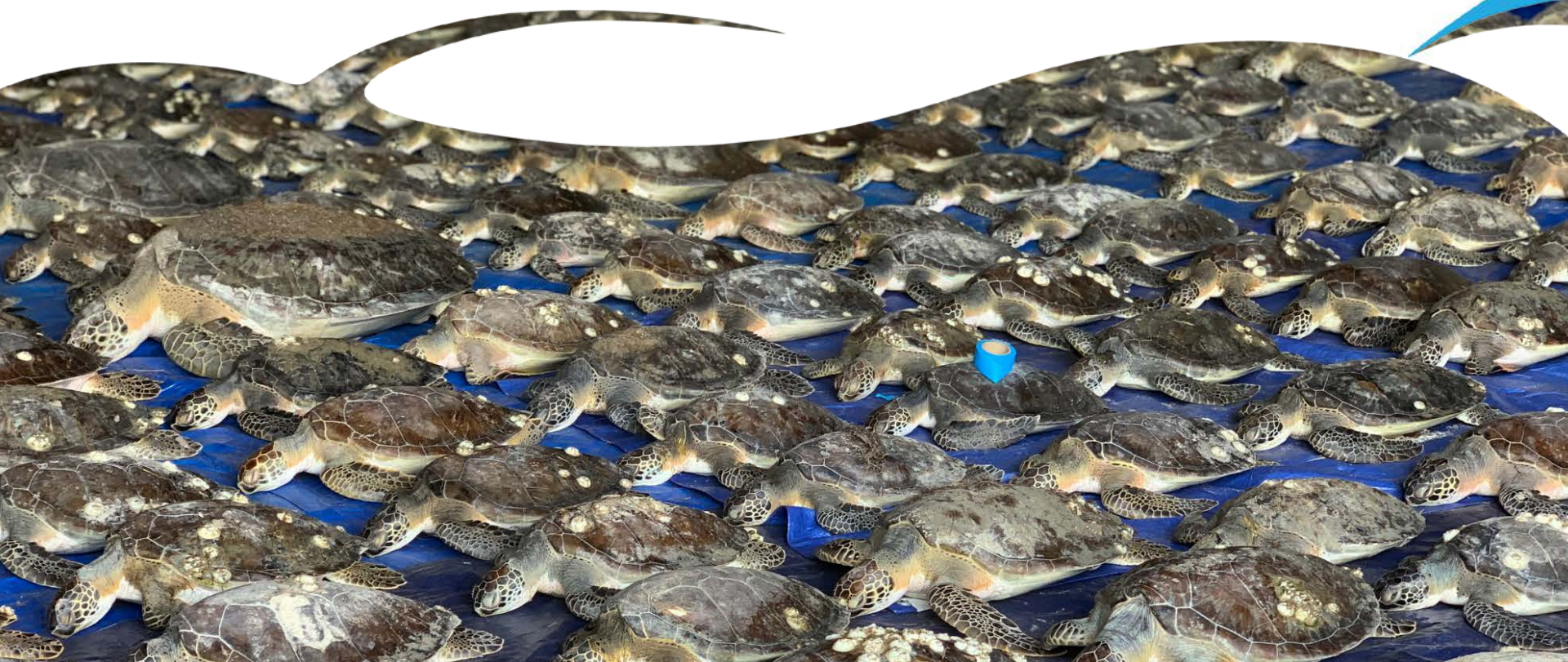
Fish & Invertebrates



Sea Turtles



Seabirds



Regionwide Restoration Area
Ronald Howard
United States Department of Agriculture

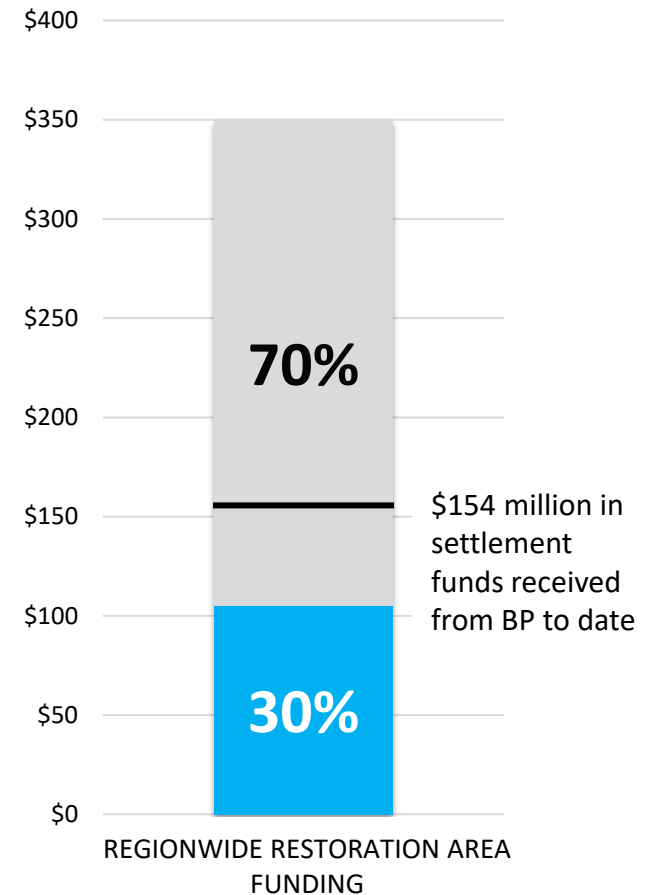
Funding Update



- The total allocation is \$350 million.
- We have received \$154 million from BP to date.

\$104 million

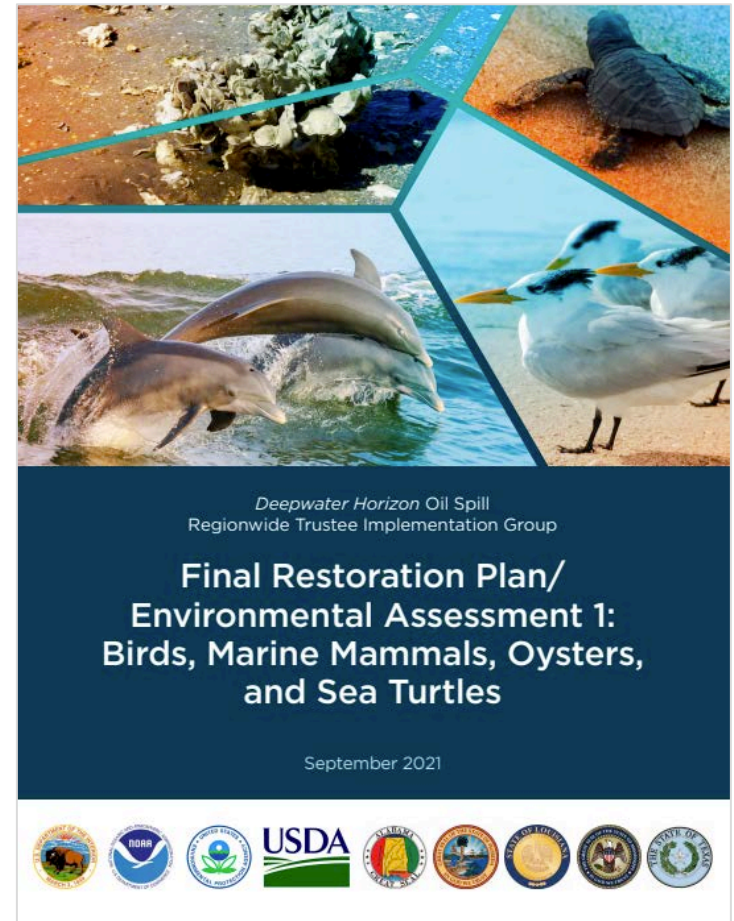
Approximate amount committed
for projects and activities as of May 2022



Recent Activities



- In September 2021, released Final Restoration Plan 1
- The plan approved nearly \$100 million for 11 restoration projects for Sea Turtles, Birds, Marine Mammals, and Oysters
- Ongoing bird monitoring



Featured Project: Pilot Town



Future Activities



- Continue implementation and monitoring of 4 Early Restoration projects
- Begin implementation of 11 projects approved in Restoration Plan 1
- Complete the Colonial Waterbird Aerial Surveys
- Discuss / identify current and future Region-wide priorities



We'd Like to Hear From You

Trustee Council Representatives



FLORIDA
Lisa
Robertson



ALABAMA
Chris
Blankenship
(Chair)



MISSISSIPPI
Chris
Wells



LOUISIANA
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TEXAS
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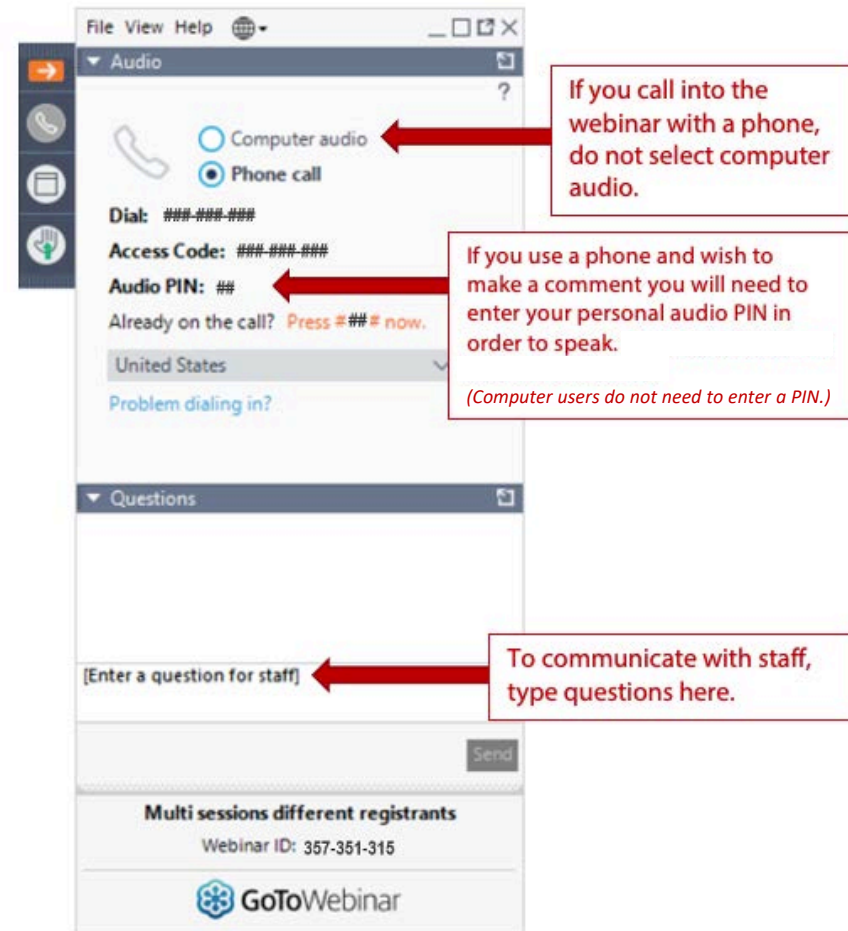
NOAA
Chris
Doley



USDA
Ron
Howard

Verbal Comments

- All attendees are muted automatically
- Please enter your audio PIN if you plan on speaking via phone – you will be unmuted by staff at the beginning of your comment
- Enter your name in the questions box to request a speaking slot



Verbal Comments

**Comment in
progress**

Verbal Comments

**1 minute
remaining**

Verbal Comments

**30 seconds
remaining**

Verbal Comments

**10 seconds
remaining**

Verbal Comments



Time is up



Thank You

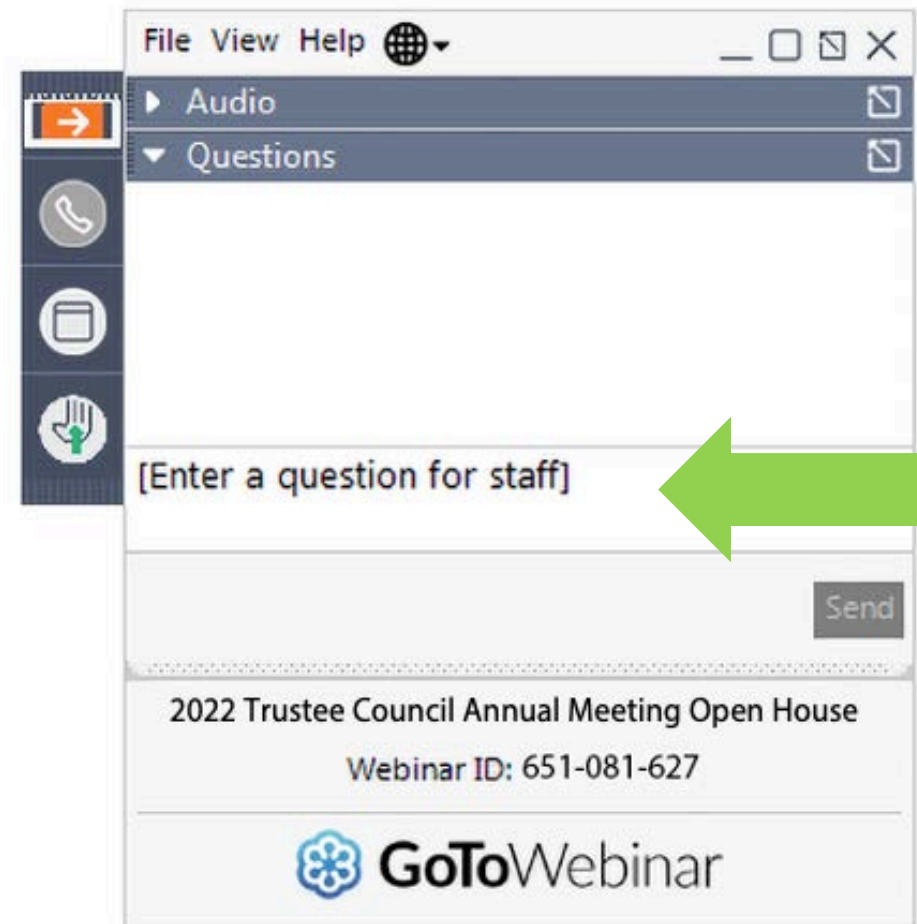
**Stick around for
our open house!**

Open House with Trustee Staff

| Topic | Representative |
|---|---|
| Alabama Restoration Area | Chris Blankenship, AL |
| Louisiana Restoration Area | Maury Chatellier, LA |
| Florida Restoration Area | Lisa Robertson and Gareth Leonard, FL |
| Mississippi Restoration Area | Valerie Alley and Tina Nations, MS |
| Texas Restoration Area | Angela Schrift, TX |
| Regionwide Restoration Area | Ronald Howard, USDA and Angie Sunley, TX |
| Open Ocean Restoration Area | Laurie Rounds, NOAA |
| Trustee Council | Chris Blankenship, TC Chair |
| Department of the Interior | Mary Josie Blanchard, DOI |
| National Oceanic and Atmospheric Administration | Rachel Sweeney, NOAA |
| U.S. Environmental Protection Agency | Tim Landers and Treda Grayson, EPA |
| U.S. Department of Agriculture | Ronald Howard, USDA |
| Monitoring and Adaptive Management | Melissa Carle, NOAA and Nadia Martin, Cross TIG-MAM co-chairs |
| Data Management and DIVER | Nancy Wallace, NOAA |

Enter Your Questions

- All attendees are muted automatically
- Please type your questions in the questions box
- We may not get to all of your questions, but we'll do our best



Thank You and Check Out Our Website for the Latest News



Get the latest **news updates** from
the *Deepwater Horizon* Trustees

SIGN UP NOW



www.gulfspillrestoration.noaa.gov