



Deepwater Horizon

Natural Resource Damage Assessment & Restoration

Trustee Council

Annual Public Meeting

July 16, 2020

Tonight's Agenda

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

A photograph of a sunset over the ocean. The sun is low on the horizon, creating a bright orange and yellow glow that spreads across the sky. The sky transitions from a deep orange near the horizon to a pale blue at the top. The ocean is dark blue with white-capped waves. In the foreground, the silhouette of a palm tree stands on the left side, its fronds reaching out against the sky. The overall mood is serene and contemplative.

10 Years After *Deepwater Horizon*

Trustee Council Representatives



FLORIDA
Leslie
Reed



ALABAMA
Chris
Blankenship



MISSISSIPPI
Chris
Wells



LOUISIANA
Bren Haase
(Chair)



TEXAS
Robin
Riechers



DOI
Mary Josie
Blanchard



EPA
D. Lee
Forsgren



NOAA
Chris
Doley



USDA
Homer
Wilkes

Trustee Council Update

Timeline of Key Restoration Events

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

APRIL 2010
Oil Spill

Today
JULY 2020

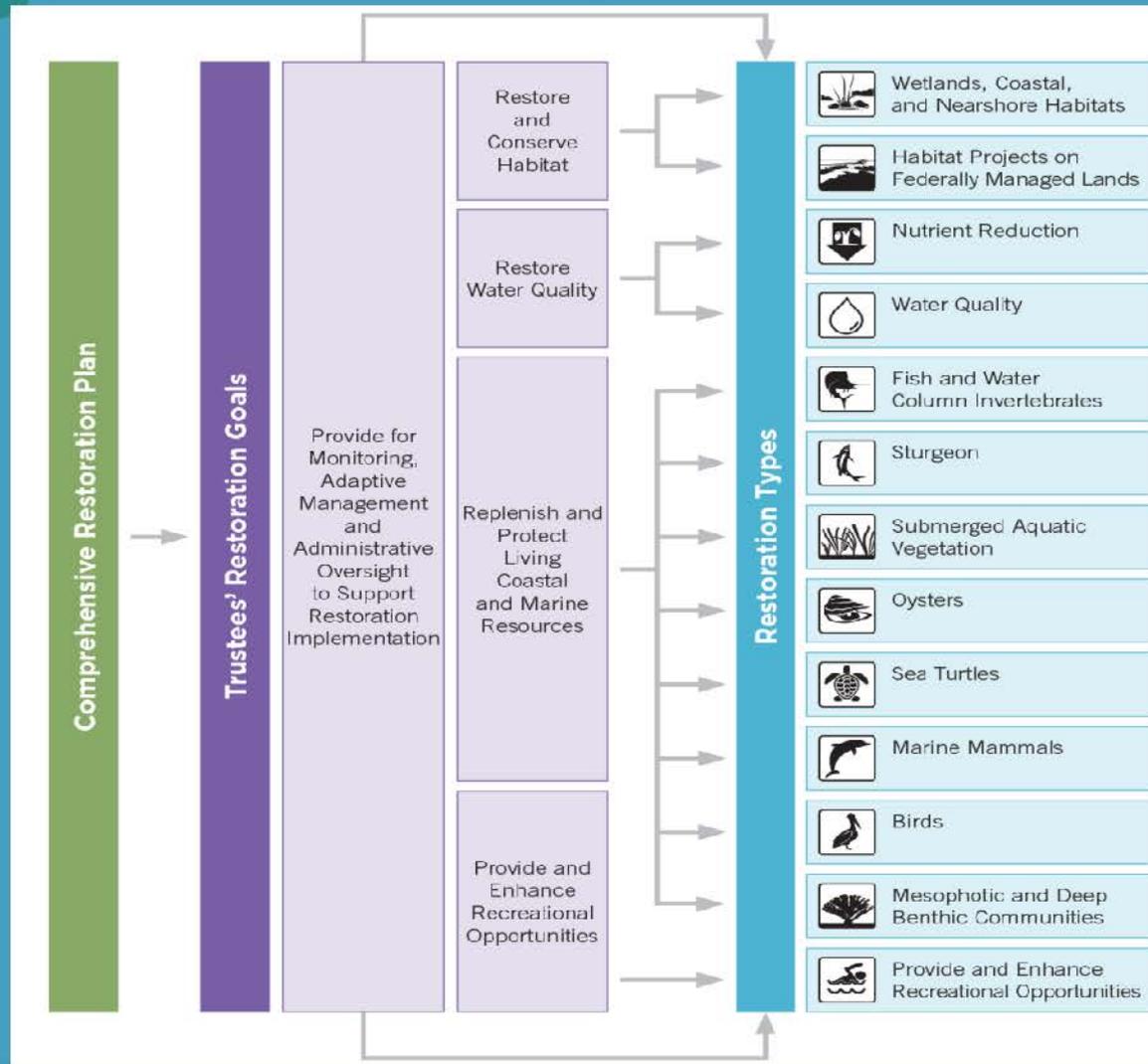
Early Restoration

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

2017-2031

Trustees Receive Settlement Payments Every April
Trustees Release Annual Reports Every Year

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 ^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)				20,110,000	15,629,367	259,625,700	60,000,000		361,365,067
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						19,963,000	49,221,165
Submerged Aquatic Vegetation						22,000,000			22,000,000
Marine Mammals		19,000,000	60,000,000	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		1,073,000		145,000	2,835,000	21,937,300		20,503,770	27,341,170
Mesophotic and Deep Benthic Communities			273,300,000						273,300,000
Oysters		64,372,413		10,000,000	20,000,000	25,000,000	20,000,000	22,000,000	162,372,413
Early Restoration Oysters				3,379,000	5,370,596	14,874,300	13,600,000		37,223,996
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			27,397,816	85,505,305	120,543,167	22,000,000	18,957,000	18,502,688	267,966,076
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	\$298,889,305	\$580,152,643	\$8,000,000,000	\$293,857,000	\$238,151,488	\$8,800,000,500

Trustee Implementation Groups



Texas

*Trustees for
Texas*

*Federal
Trustees*



Louisiana

*Trustees for
Louisiana*

*Federal
Trustees*



Mississippi

*Trustee for
Mississippi*

*Federal
Trustees*



Alabama

*Trustees for
Alabama*

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Trustees*



Florida

*Trustees for
Florida*

*Federal
Trustees*



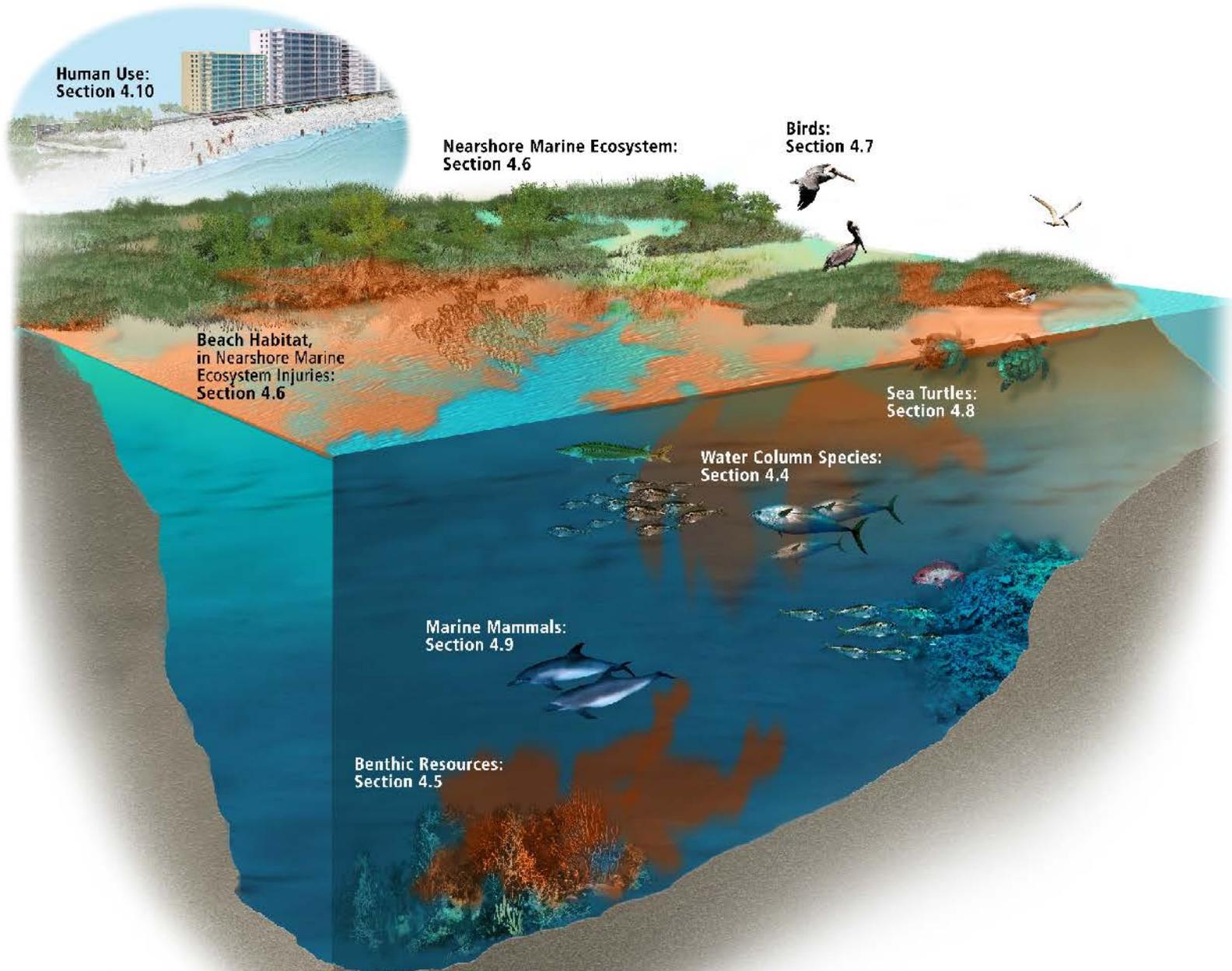
Region- wide

All Trustees



Open Ocean

*Federal
Trustees*



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.

Council Work Since Settlement

Monitoring & Adaptive Management (MAM)

- Released first version of the MAM Manual and an update to the Manual in late 2019
- Supporting programmatic evaluation efforts across TIGs and Restoration Types
- Continued evaluation and recommendations regarding monitoring data management

Outreach and Reporting

2020

- 10 Year Commemoration Materials
- Continued Annual reporting
 - 200+ projects
 - Annual financial summary

Future

- Conduct a program review of governance, process, outreach and restoration

Restoration Area Updates

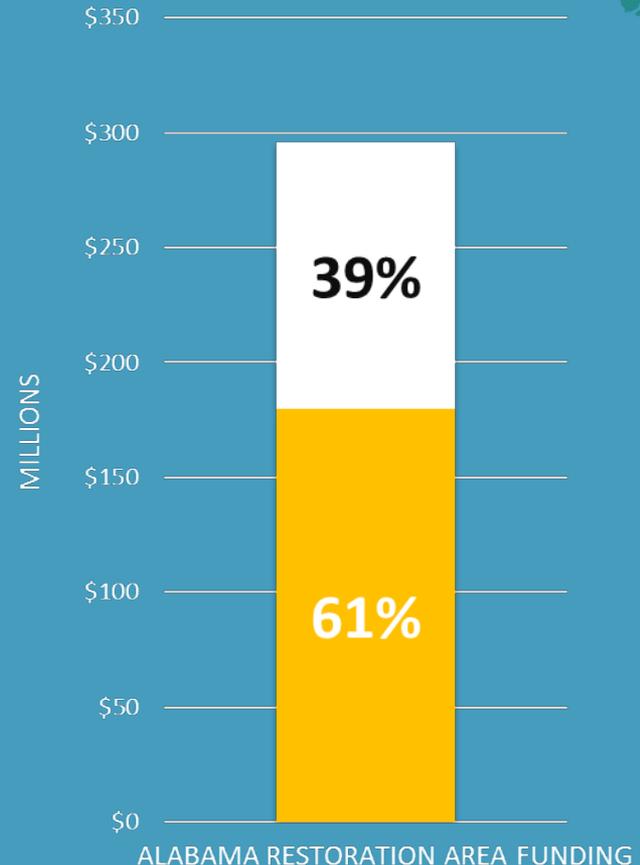


Alabama Restoration Area

Presenter: Chris Blankenship
Alabama Department of Conservation and Natural Resources

Funding Update

- Committed approximately \$180 million for projects and planning activities as of May 2020.
- The total allocation is \$295 million.



Recent Activities

- Released the Final Alabama TIG Restoration Plan III in December 2019 approving seven projects
 - Five Provide and Enhance Recreational Opportunities Projects
 - Two Bird Projects
- Continued implementation and monitoring of projects from Early Restoration and Restoration Plans I and II

Featured Project: Gulf State Park Pier Renovations

- AL TIG Provided funding to the Alabama State Parks Division for renovations
- Renovations include: replacement of pine decking with material more tolerant of marine conditions, new fish cleaning station, and wildlife-friendly pier and parking lot lighting



Future Activities

- Continue implementation and monitoring of projects
- Annual Meeting of AL TIG fall 2020

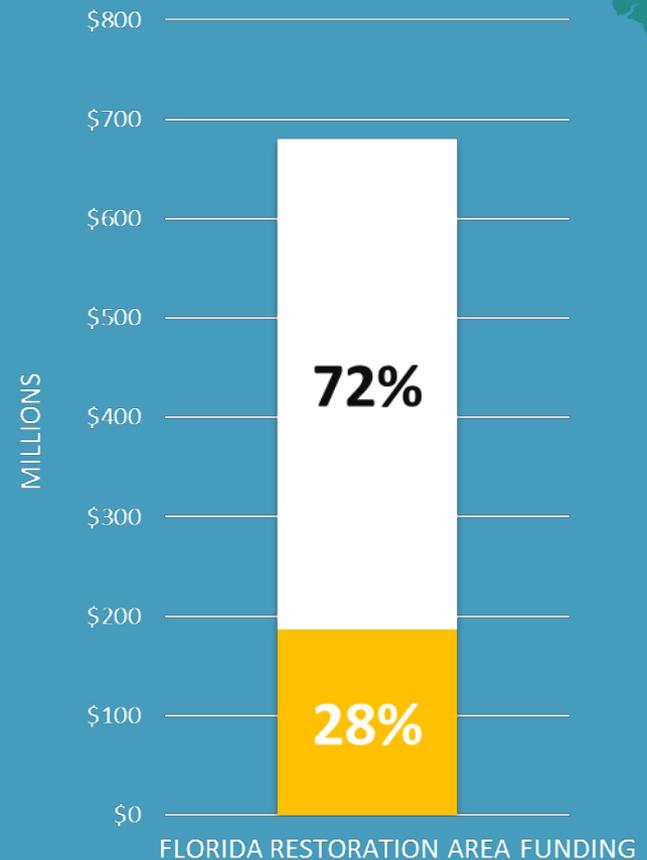


Florida Restoration Area

Presenter: Leslie Reed
Florida Department of Environmental Protection

Funding Update

- Committed just over \$187 million for projects and planning activities as of May 2020.
- The total allocation is \$680 million.

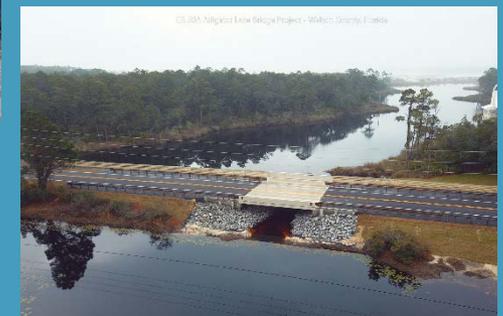
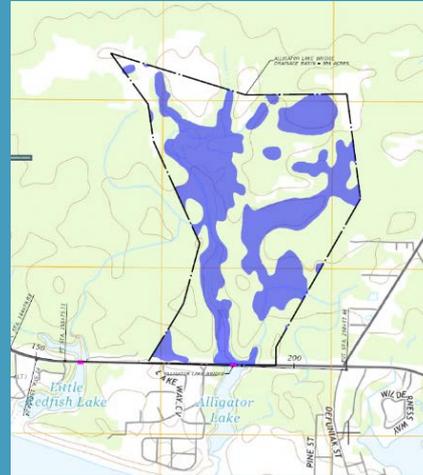


Recent Activities

- Continued implementation and monitoring of Early Restoration projects
- Held a public meeting in November 2019 as part of the Florida Deepwater Horizon Restoration Summit
- Approved the third phase of the Phase V Florida Coastal Access Project in September 2019
- Requested project ideas for Restoration Plan 2 in August 2019

Featured Project: Alligator Lake Coastal Dune Lake Hydrologic Restoration

- Restoration Type: Water Quality
- Budget: ~ \$1,382,400
- Hydrologic restoration of Alligator Lake, a rare coastal dune lake in Walton County
- Removed barriers separating north and south portions of lake, allowing free exchange of fresh and Gulf waters
- Five years of post construction monitoring



Future Activities

- Continue implementation and monitoring of Early Restoration projects
- Continue implementation of Final Restoration Plan 1 and Environmental Assessment projects
- Initiate restoration planning for Restoration Plan 2

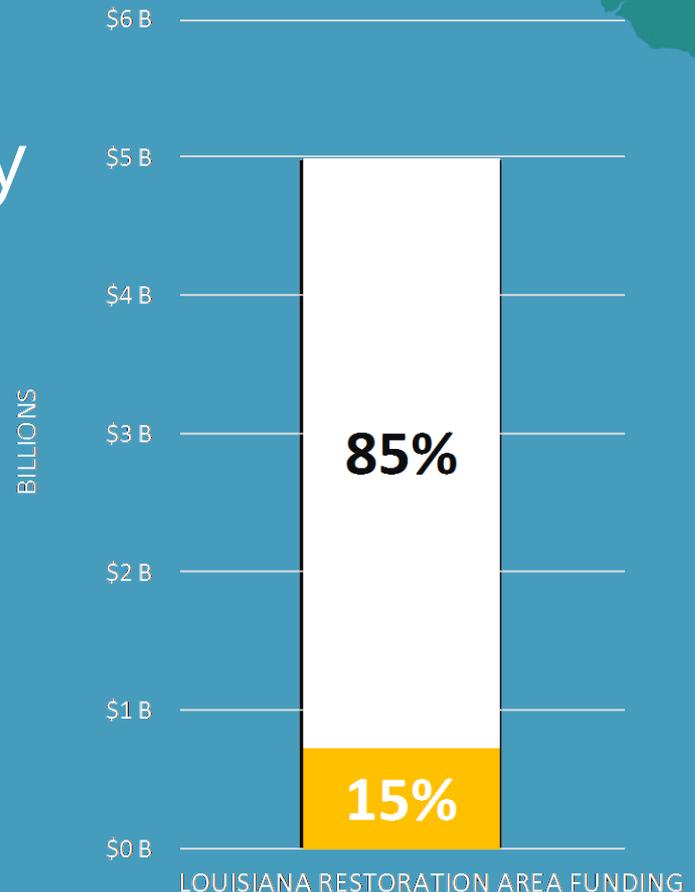


Louisiana Restoration Area

Presenter: Maury Chatellier
Louisiana Coastal Protection and Restoration Authority

Funding Update

- Committed approximately \$734 million for projects and planning activities as of May 2020.
- The total allocation is \$5 billion.



Recent Activities

Final Restoration Plan #1.3

- Final Restoration Plan to Restore for Birds and Habitat Projects on Federally Managed Lands

Restoration Plan #6

- Final Restoration Plan to Restore and Conserve Wetlands, Coastal and Nearshore Habitats

Restoration Plan #3.3

- Final Restoration Plan to Restore and Conserve Wetlands, Coastal and Nearshore Habitats

Final Supplemental Plans and Assessments

Queen Bess Island



Future and Ongoing Activities

Restoration Plan	Proposed Project Budget
Draft Restoration Plan and Environmental Assessment #1.2 – Lake Borgne and Spanish Pass Marsh Creation Projects	Approximately \$215,000,000
Draft Restoration Plan and Environmental Assessment #5 – Living Coastal and Marine Resources (LCMR) – Marine Mammals and Oysters	Approximately \$28,700,000
Draft Restoration Plan and Environmental Assessment #7 – Wetlands, Coastal, and Nearshore Habitats and Birds	TBD (Winter 2020)

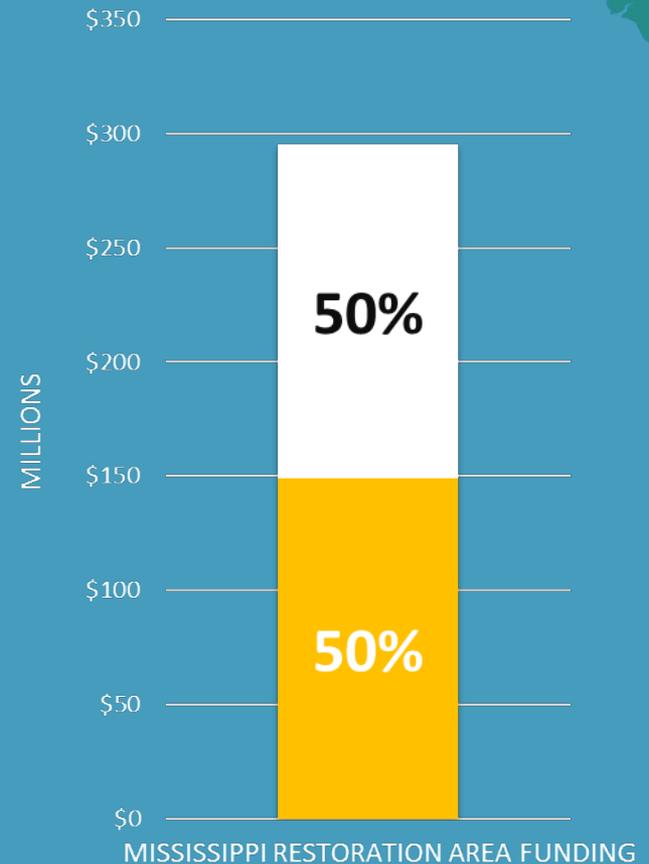


Mississippi Restoration Area

Presenter: Chris Wells
Mississippi Department of Environmental Quality

Funding Update

- Committed approximately \$150 million for projects and planning activities as of May 2020.
- The total allocation is \$295 million.



Recent Activities

- In September 2019, the MS TIG released the Final Supplemental Restoration Plan: Grand Bay Land Acquisition and Habitat Management.
- In April 2020, we released the Draft Restoration Plan/Environmental Assessment II (Restoration Plan II) for public review and comment.
- The MS TIG intends to publish the Final Restoration Plan Environmental Assessment II in the summer or fall of 2020.

Featured Project: Hancock County Marsh Living Shoreline Marsh Creation



Future Activities

- Continue restoration project implementation and monitoring.
- Release the Final Restoration Plan II and initiate implementation of approved Wetlands, Coastal, and Nearshore Habitats and Oysters projects.
- Hold Annual Meeting and Mississippi Restoration Summit in the fall of 2020.

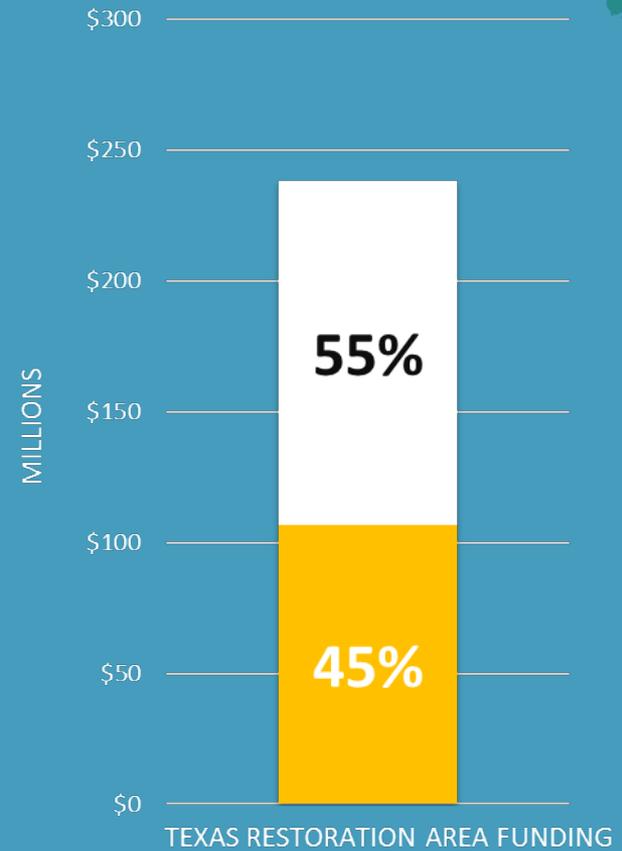


Texas Restoration Area

Presenter: Robin Riechers
Texas Parks and Wildlife Department

TX TIG Funding Update

- Committed approximately \$107 million for projects and planning activities as of May 2020.
- The total allocation is \$238 million



Recent TX TIG Activities

- Artificial Reefs (Freeport, Matagorda, Mid-Upper Texas Coast/Ship) – completed construction and monitoring
- Sea Rim State Park– completed construction of park amenities
- Laguna Atascosa and Mid-Coast NWR Habitat Acquisitions – completed land transactions
- Planning Activities – developed watershed selection criteria and nonpoint source nutrient reduction strategies for the Nutrient Reduction Restoration Type

Featured Project– Indian Point Shoreline Erosion Protection

Breakwaters were constructed to protect seagrass, coastal marsh, lagoons, and associated upland habitat and wildlife



Future TX TIG Acquisition and Construction Activities

- Acquire Habitat
 - Follets Island
 - Bahia Grande Coastal Corridor
- Begin construction
 - Bahia Grande Hydrologic Restoration
 - McFaddin Beach and Dune Restoration
 - Pierce Marsh Wetland Restoration

Future TX TIG Planning Activities

- Complete Planning/Engineering/Design
 - Oysters
 - Dredge Material Planning for Wetland Restoration
 - Bird Island Cove
 - Essex Bayou
- Continue implementation and monitoring of projects from early restoration and the 2017 Restoration Plan
- Preparing to initiate the next Restoration Plan



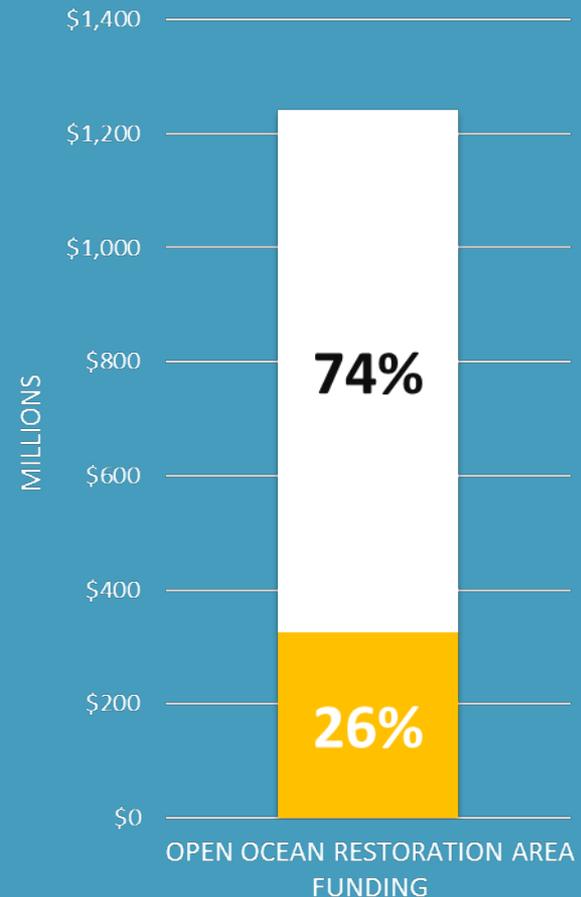
Open Ocean Restoration Area

Presenter: Laurie Rounds
National Oceanic and Atmospheric Administration



Funding Update

- Committed approximately \$326 million for projects and planning activities as of May 2020.
- The total allocation is \$1.2 billion.





Recent Activities

- Completed the Bon Secour National Wildlife Refuge Trail Enhancement Early Restoration Project.
- Continued to implement three Early Restoration projects.
- Began work on 21 restoration projects approved in 2019 for all restoration types.
- Began implementation of three Monitoring and Adaptive Management (MAM) Activities.
- Updated the OO MAM Strategy highlighting initial priorities to effectively use the MAM allocation and guide restoration.

Featured Project: Beach Enhancement at GUIs



Enhancing recreational use and visitor satisfaction by removing asphalt debris from the beach sand at Fort Pickens, Santa Rosa and Perdido Key areas in Florida

Before



After





Future OO TIG Activities

- Continue implementation and monitoring of restoration projects and Monitoring and Adaptive Management (MAM) activities.
- Identify opportunities to address initial Open Ocean MAM priorities.
- Begin restoration planning for our third restoration plan.
- Engage stakeholders including holding a MAM webinar and our TIG Annual Meeting.

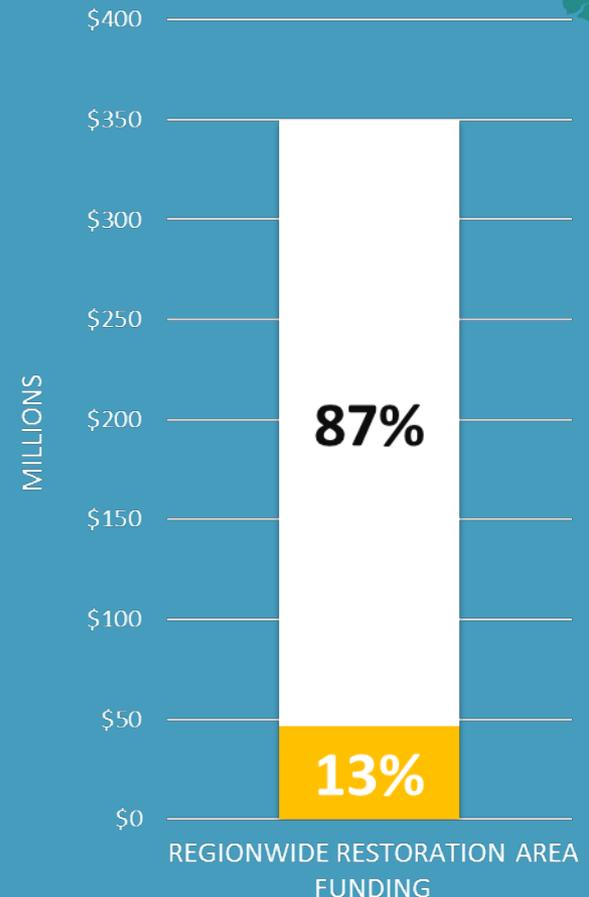


Region-wide Restoration Area

Presenter: Jamie Schubert
National Oceanic and Atmospheric Administration

Funding Update

- Committed approximately \$47 million for projects and planning activities as of May 2020.
- The total allocation is \$350 million.



Recent Activities

- Requested project ideas from the public in September 2019.
- Continued implementation and monitoring of Early Restoration projects.
- RW TIG published their Notice of Initiation of Restoration Planning on July 1, 2020.

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

- Publish Draft RW TIG Restoration Plan 1 for public review and comment.
- Continue implementation and monitoring of Early Restoration projects.

Comments

Trustee Council Representatives



FLORIDA
Leslie
Reed



ALABAMA
Chris
Blankenship



MISSISSIPPI
Chris
Wells



LOUISIANA
Bren Haase
(Chair)



TEXAS
Robin
Riechers



DOI
Mary Josie
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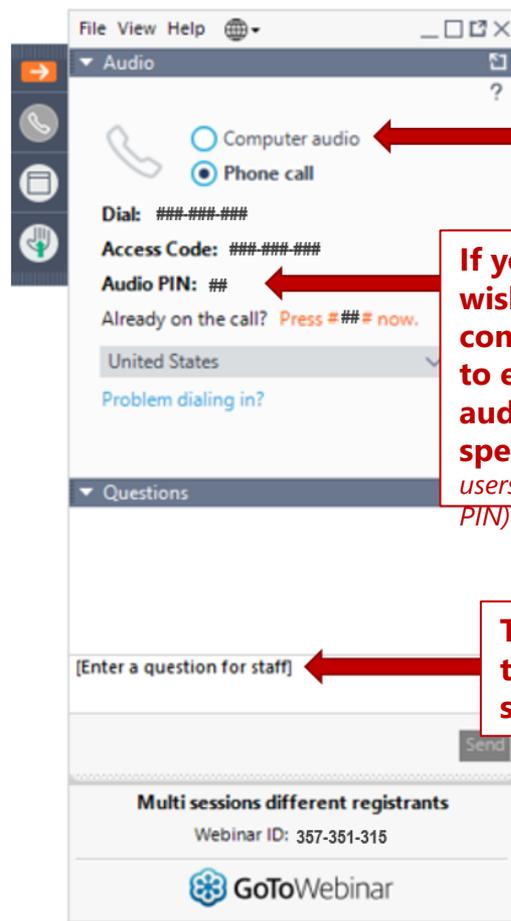
NOAA
Chris
Doley



USDA
Homer
Wilkes

Comments

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- Type your name into the Questions box to get in the speaking queue.



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Thank you

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