



Deepwater Horizon Natural Resource Damage Assessment and Restoration Trustee Council Public Meeting

November 30, 2017

Tonight's Agenda

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

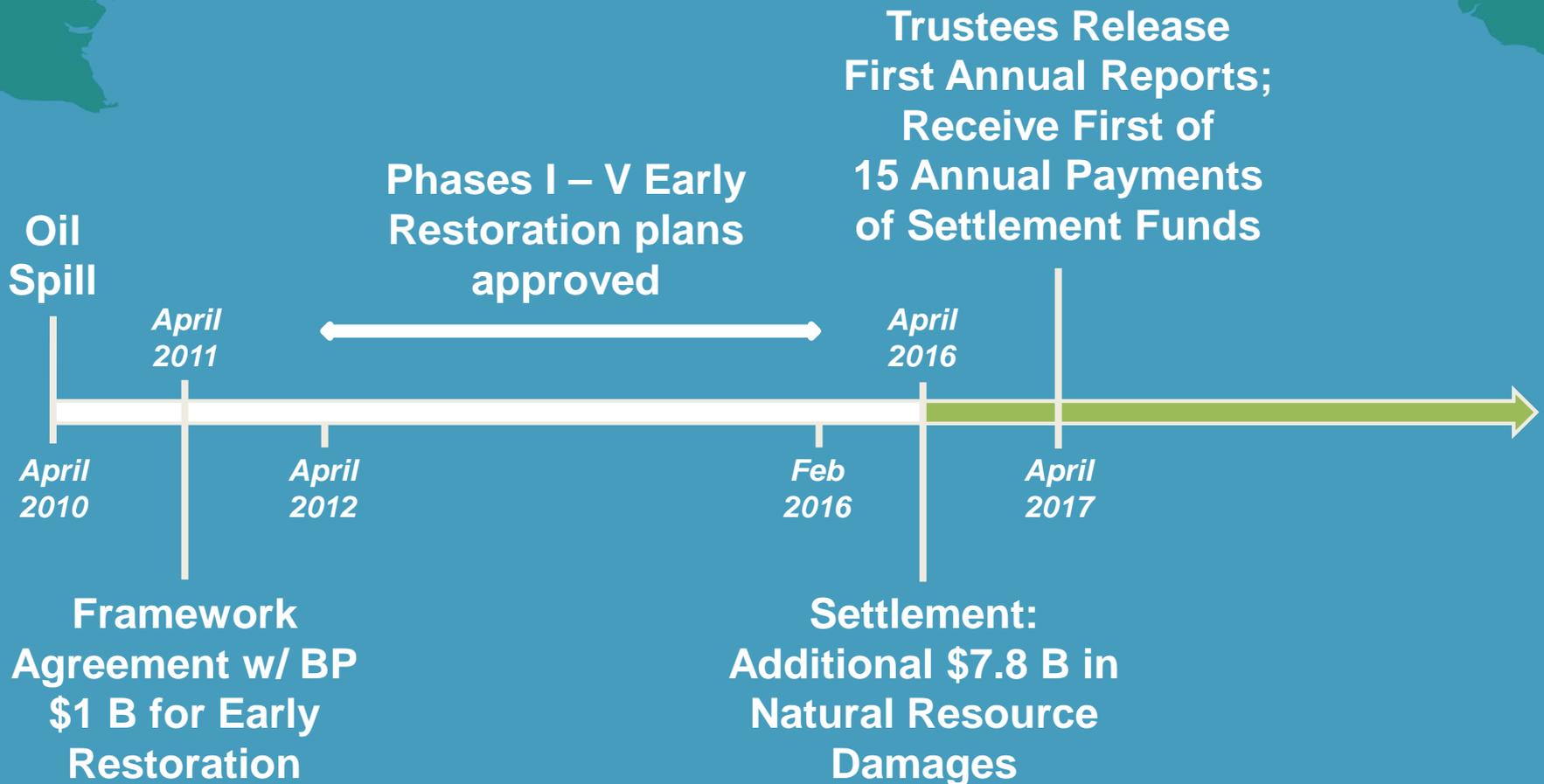
Trustee Council Representatives

Florida	Alabama	Mississippi	Louisiana	Texas
Gareth Leonard	Chris Blankenship	Gary Rikard	Michael Ellis	Robin Riechers

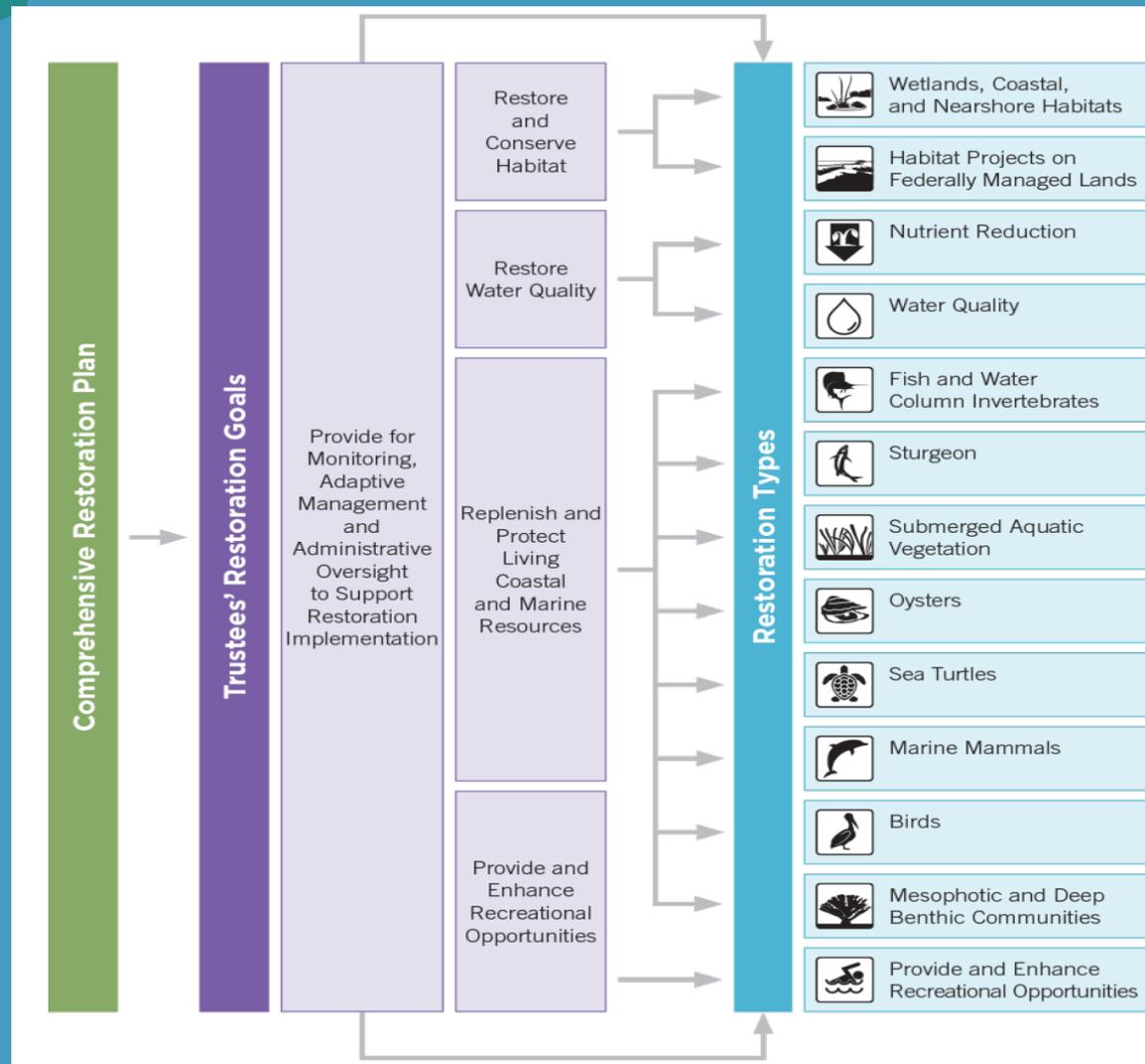
DOI	EPA	NOAA	USDA
Mary Josie Blanchard	Gale Bonanno	Chris Doley	Homer Wilkes

Trustee Council Update

Timeline of Key Events



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	

Governance

Trustee
Council

Trustee Implementation
Groups

Individual
Trustee
Agencies

Texas

*Trustees for
Texas*

*Federal
Trustees*

Louisiana

*Trustees for
Louisiana*

*Federal
Trustees*

Mississippi

*Trustee for
Mississippi*

*Federal
Trustees*

Alabama

*Trustees for
Alabama*

*Federal
Trustees*

Florida

*Trustees for
Florida*

*Federal
Trustees*

**Region-
wide**

All Trustees

**Open
Ocean**

*Federal
Trustees*

**Adaptive
Mgm't and
Unknown
Conditions**

All Trustees

Council Work Since Settlement

- Released first annual reports via DIVER data system
- Received first of 15 annual payments from BP
- Released revised Trustee Council Standard Operating Procedures

Council Work Since Settlement

Monitoring & Adaptive Management (MAM)

- Continued development of Trustee Council Monitoring & Adaptive Management Procedure and Guidelines Manual
- Developing data management system in DIVER
- Establishing mechanisms for coordination with other restoration efforts regarding MAM

Restoration Area Updates



Alabama Restoration Area

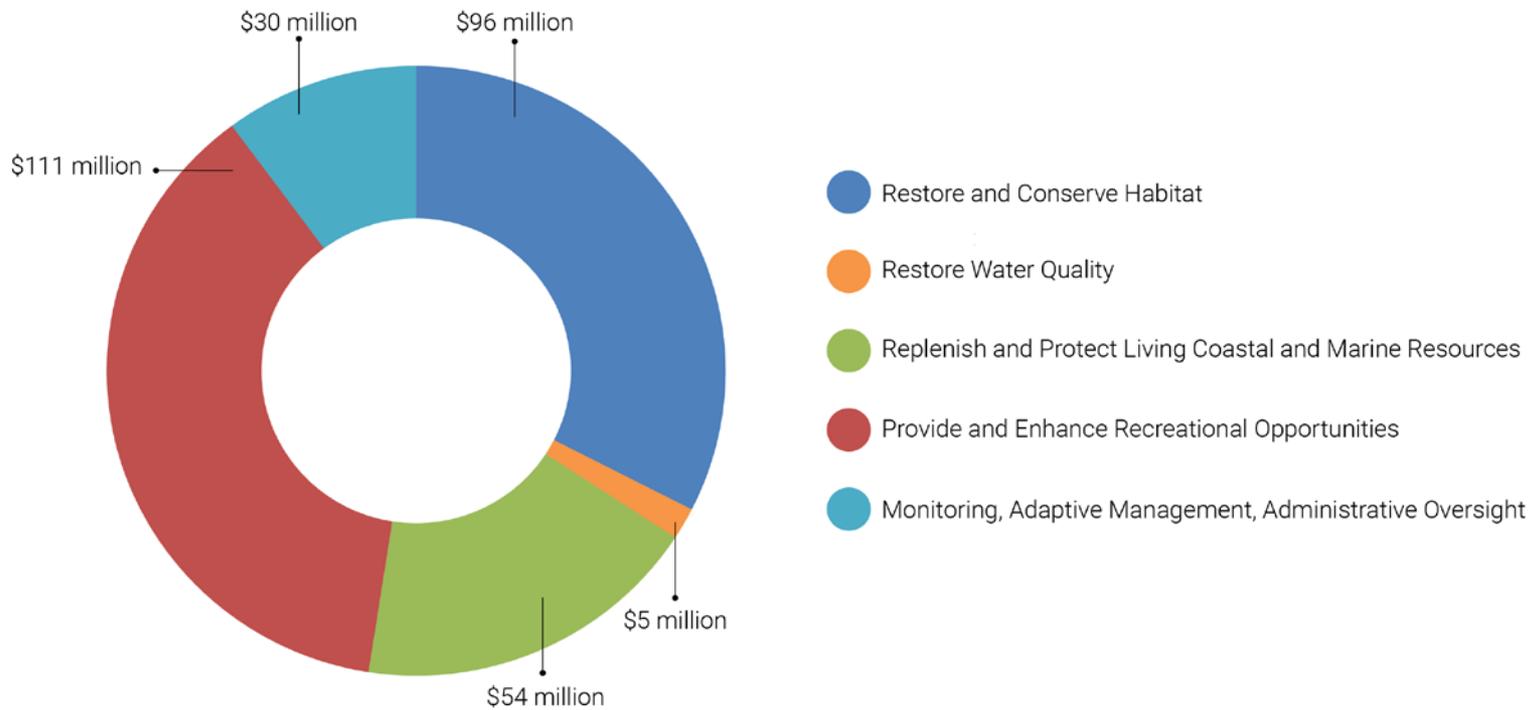
Alabama Restoration Area Representatives



- **Amy Hunter**, Alabama Department of Conservation and Natural Resources
- **Seth Newton**, Geological Survey of Alabama
- **Dan Van Nostrand**, National Oceanic and Atmospheric Administration
- **Dianne Ingram**, Department of the Interior
- **Chris Parker**, Environmental Protection Agency
- **Ron Howard**, U.S. Department of Agriculture



Allocation



Alabama Restoration Area

Current - Future



Current

- **Continued implementation of Early Restoration Projects and projects from the Alabama TIG Restoration Plan I (Recreational Use)**
- **Working on Alabama TIG Restoration Plan II (Ecological Restoration)**
 - **Requested project ideas from public and initiated drafting of plan**
- **Ongoing monitoring of implemented projects**

Future

- **Continue Restoration Planning**
 - **Wetlands, Coastal and Nearshore Habitats; Habitat Projects on Federally Managed Lands**
 - **Nutrient Reduction**
 - **Sea Turtles, Marine Mammals, Birds, Oysters**
 - **Recreational Use**
- **Continued implementation and monitoring of projects**



Florida Restoration Area

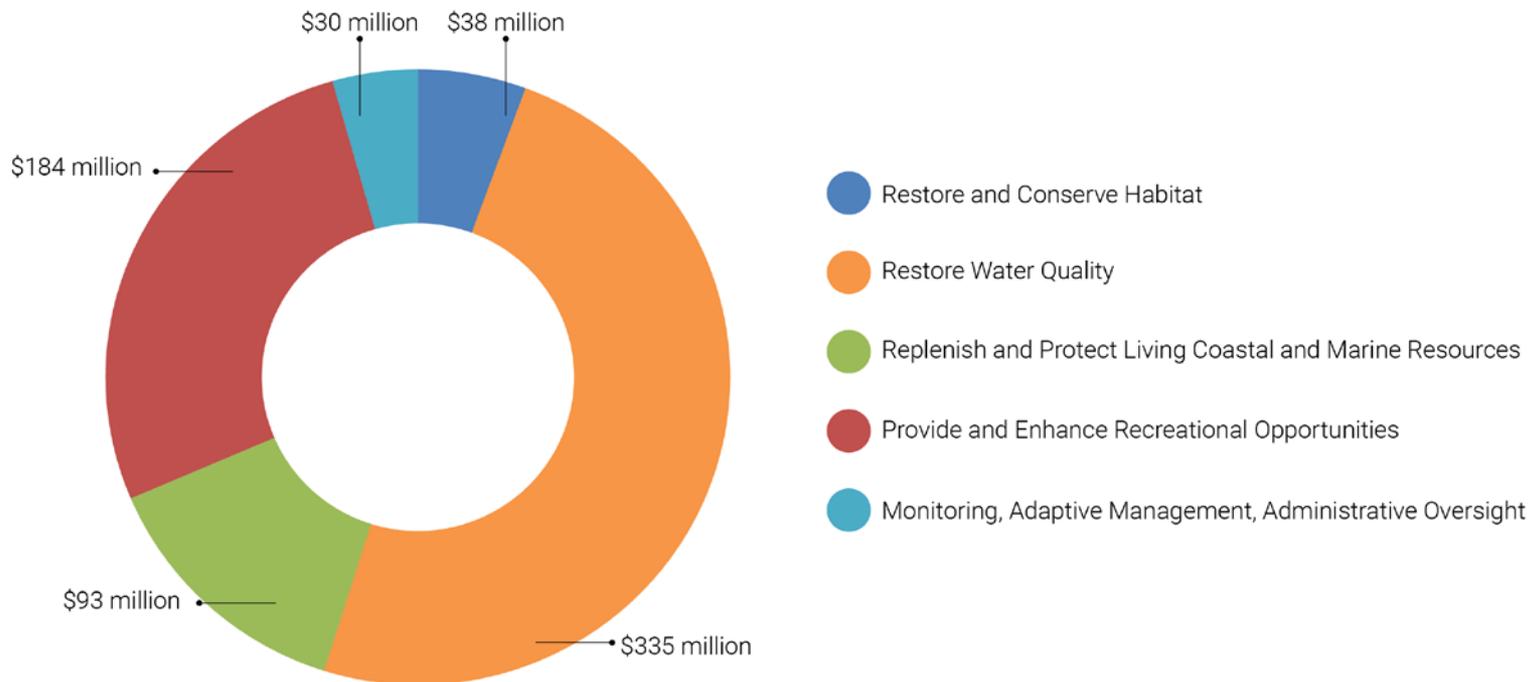
FL Restoration Area Representatives



- **Trina Vielhauer**, Florida Department of Environmental Protection
- **Gareth Leonard**, Florida Fish and Wildlife Conservation Commission
- **Ben Frater**, Department of the Interior
- **Amy Newbold**, U.S. Environmental Protection Agency
- **Laurie Rounds**, National Oceanic and Atmospheric Administration
- **Ron Howard**, U.S. Department of Agriculture



Allocation



Florida Restoration Area

Current- Future



Current

- **Continued Implementation of 28 Early Restoration projects**
- **Ongoing monitoring of Early Restoration projects that have completed implementation**
- **Released Draft Plan for the 2nd Phase of the Florida Coastal Access Project (Phase V of Early Restoration)**

Future

- **By the end of 2017, initiate development of a draft restoration plan for Habitat Projects on Federally Managed Lands, Nutrient Reduction, Water Quality, and Provide and Enhance Recreational Opportunities**
- **Finish implementation of Early Restoration projects and initiate monitoring on those projects**



Louisiana Restoration Area

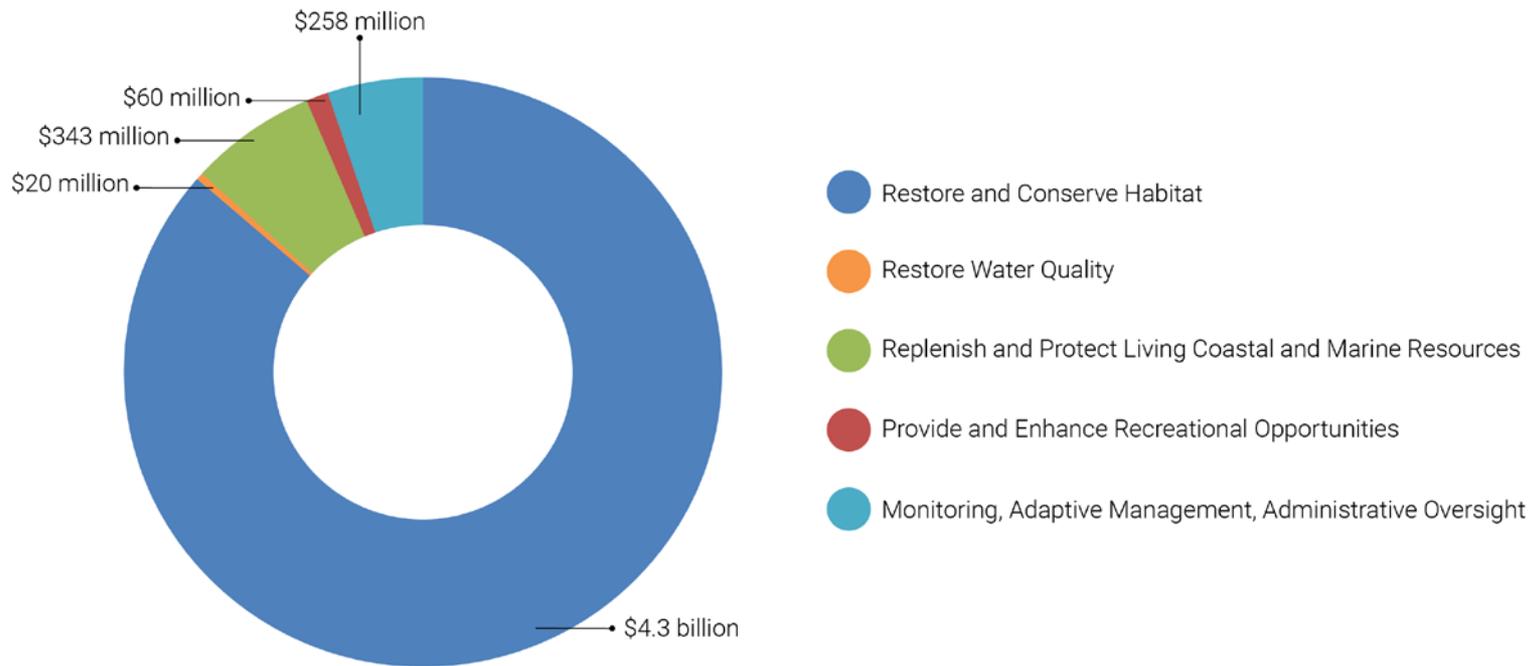
LA Restoration Area Representatives



- **Johnny Bradberry**, Louisiana
- **John Tirpak**, Department of the Interior
- **Mel Landry**, National Oceanic and Atmospheric Administration
- **Doug Jacobson**, U.S. Environmental Protection Agency
- **Ron Howard**, U.S. Department of Agriculture



Allocation



Louisiana Restoration Area

Current - Future



Current

- Continued implementation and monitoring of 3 Early Restoration Projects
- Engineering/design for the 6 projects selected in the Louisiana TIG Final Restoration Plan #1
- Drafting restoration plan to Provide and Enhance Recreational Opportunities
- Developing a strategic restoration plan to restore Wetlands, Coastal, and Nearshore Habitats in the Barataria Basin.
- Requested project ideas in July and August of 2017

Future

- Focus on long-term sustainable restoration of Louisiana



Mississippi Restoration Area

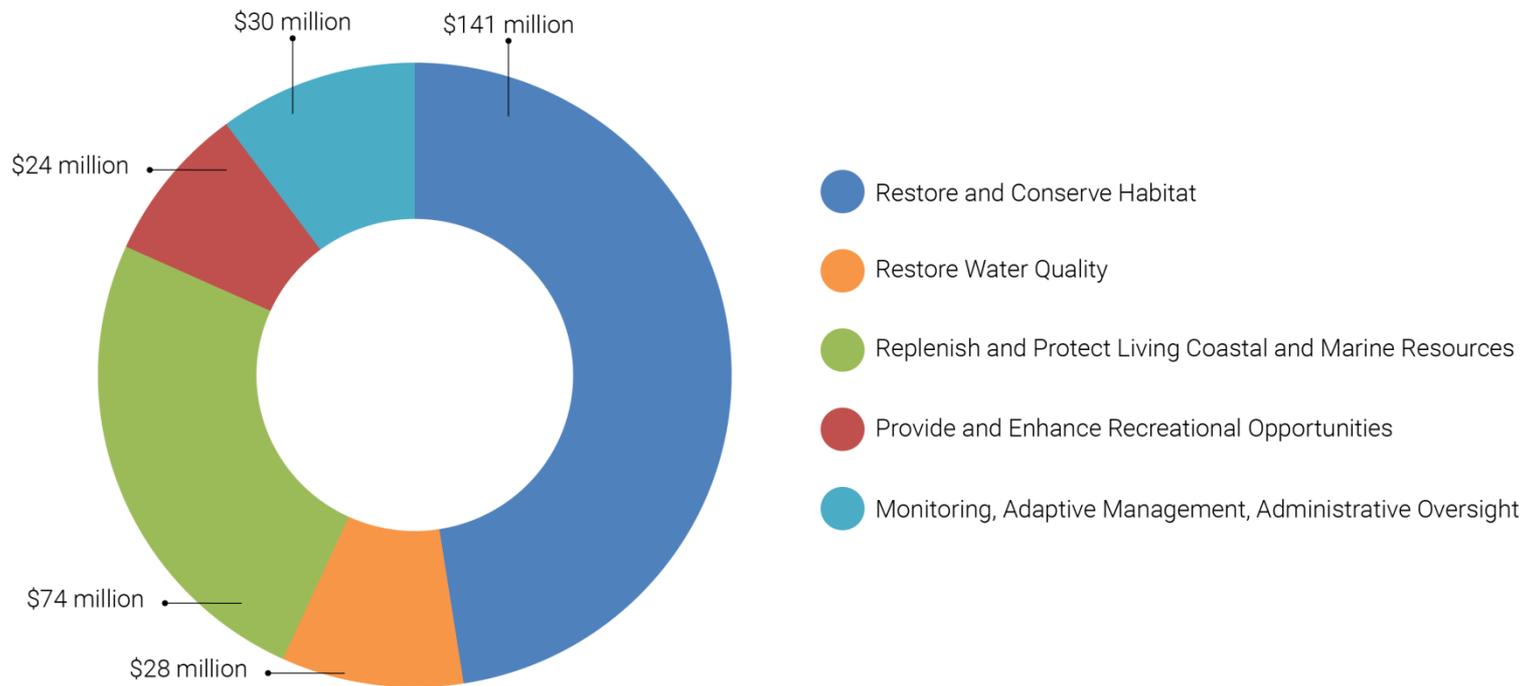
MS Restoration Area Representatives



- **Gary Rikard**, Mississippi Department of Environmental Quality
- **Brian Spears**, Department of the Interior
- **Dan Van Nostrand**, National Oceanic and Atmospheric Administration
- **Homer Wilkes**, U.S. Department of Agriculture
- **Troy Pierce**, U.S. Environmental Protection Agency



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Mississippi Restoration Area

Current - Future



Current

- Continued implementation of 5 Early Restoration projects and monitoring on 2 completed Early Restoration projects
- Completed Mississippi TIG 2016-2017 Restoration Plan/Environmental Assessment in July 2017
- Continued engineering/design and implementation of 3 projects from the restoration plan
- Held the MS TIG Annual Meeting on November 14, 2017

Future

- Continue Restoration Planning
 - Wetlands, Coastal and Nearshore Habitats; Habitat on Federally Managed Lands; Sea Turtles; Marine Mammals; Birds; Oysters; Provide and Enhance Recreational Opportunities; Nutrient Reduction (Nonpoint Source)
- Continued implementation and monitoring of projects



Texas Restoration Area

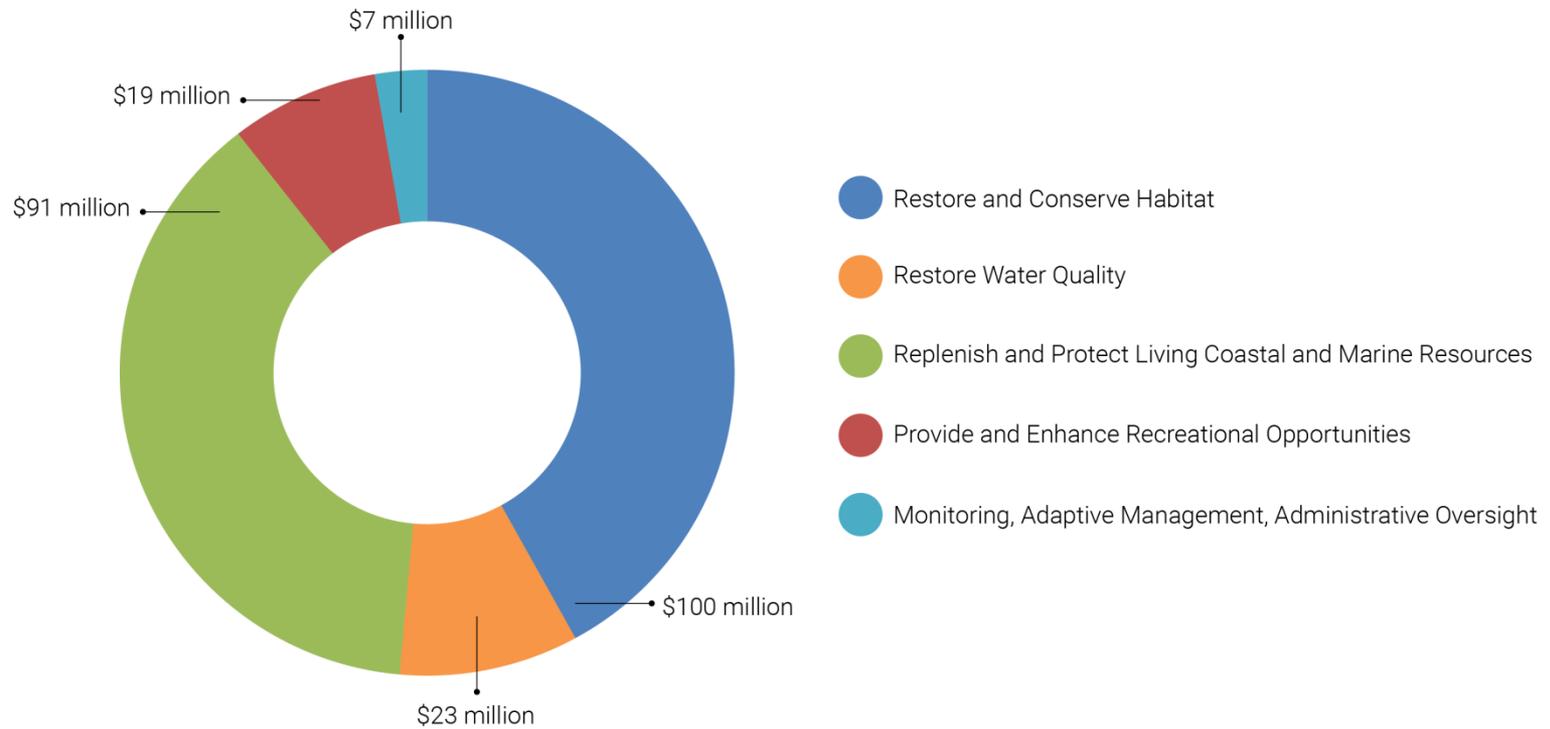
TX Restoration Area Representatives



- **Don Pitts**, Texas Parks and Wildlife
- **Richard Seiler**, Texas Commission on Environmental Quality
- **Angela Sunley**, Texas General Land Office
- **Chip Wood**, Department of the Interior
- **Jamie Schubert**, National Oceanic and Atmospheric Admin.
- **Ron Howard**, U.S. Department of Agriculture
- **Doug Jacobson**, U.S. Environmental Protection Agency



Allocation



Texas Restoration Area

Current - Future



Current

- Continued implementation and monitoring of 7 Early Restoration Projects
- Completed Texas TIG 2017 Restoration Plan/Environmental Assessment: Restoration of Wetlands, Coastal and Nearshore Habitats; and Oysters in October 2017

Future

- Continue Restoration Planning
 - Wetlands, Coastal and Nearshore Habitat; Nutrient Reduction; Sea Turtles; Birds, Oysters
- Continued implementation and monitoring of projects



Open Ocean Restoration Area

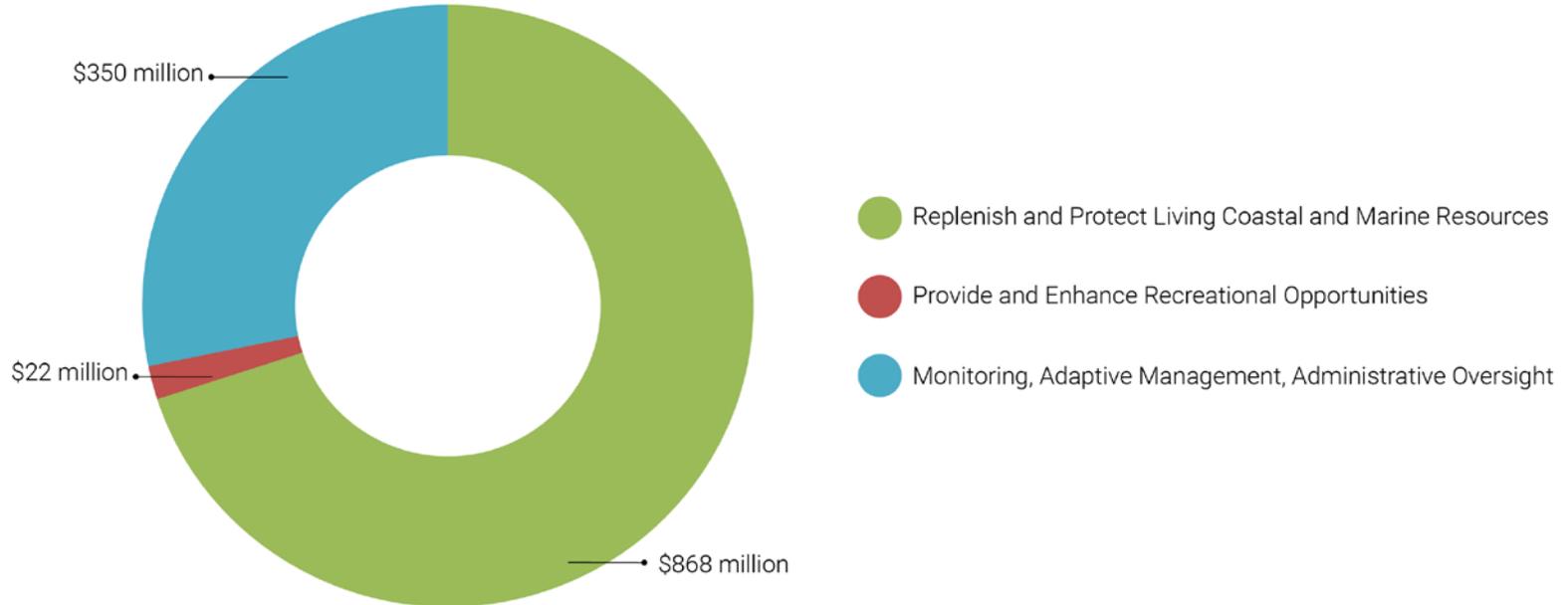
Open Ocean Restoration Area Representatives



- **Ashley Mills**, Department of the Interior
- **Laurie Rounds**, National Oceanic and Atmospheric Administration
- **Homer Wilkes**, U.S. Department of Agriculture
- **Gale Bonanno**, U.S. Environmental Protection Agency



Allocation



Open Ocean Restoration Area

Current- Future



Current

- **Conducting engineering/design, implementation, and monitoring of 5 Early Restoration Projects**
- **Reviewing restoration project ideas submitted through May 15 for consideration in the first Open Ocean TIG restoration plan**

Future

- **Continue project implementation and monitoring**
- **Continue restoration planning for Fish and Water Column Invertebrates; Sturgeon; Sea Turtles; Marine Mammals; Birds, and Mesophotic & Deep Benthic Communities**
- **Hold additional public outreach and engagement opportunities during restoration planning**
- **Develop priorities to address critical information gaps, science and monitoring needs for restoration**



Region-wide Restoration Area

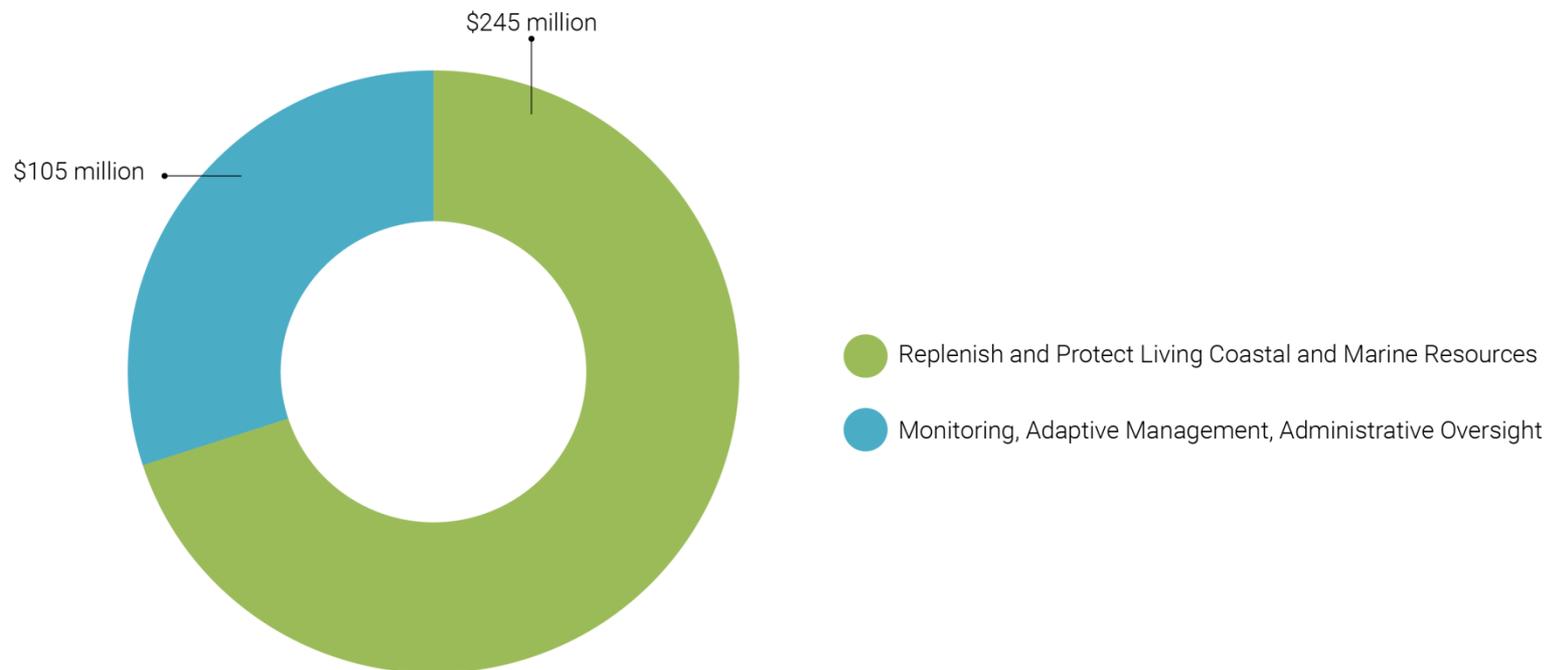
Region-Wide Restoration Area Representatives



- **Amy Hunter**, Alabama
- **Gareth Leonard**, Florida
- **Michael Ellis**, Louisiana
- **Christopher Wells**, Mississippi
- **Angela Sunley**, Texas
- **Chris Pease**, Department of the Interior
- **Jamie Schubert**, National Oceanic and Atmospheric Administration
- **Ron Howard**, U.S. Department of Agriculture
- **Tim Landers**, U.S. Environmental Protection Agency



Allocation



Region-Wide Restoration Area

Current - Future



Current

- **Continued implementation and monitoring of 3 Early Restoration Projects**
- **Released strategic frameworks for Birds, Oysters, Sea Turtles, and Mammals**
- **In coordination with the Trustee Council provide funding for:**
 - **Administrative support for the Council and all TIGs**
 - **Cross-TIG Monitoring & Adaptive Management Workgroup activities**

Future

- **Continue Restoration Planning for Sea Turtles, Marine Mammals, Birds, Oysters**
- **Continued implementation and monitoring of projects**



Comments?

Thank you