



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

September 28, 2016

Tonight's Agenda

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

Trustee Council Representatives

Florida	Alabama	Mississippi	Louisiana	Texas
Kelly Samek	Gunter Guy	Gary Rikard	Johnny Bradberry	Robin Riechers

DOI	EPA	NOAA	USDA
Cindy Dohner	Gale Bonanno	Chris Doley	Ann Mills

Trustee Council Update

Timeline of Key Events

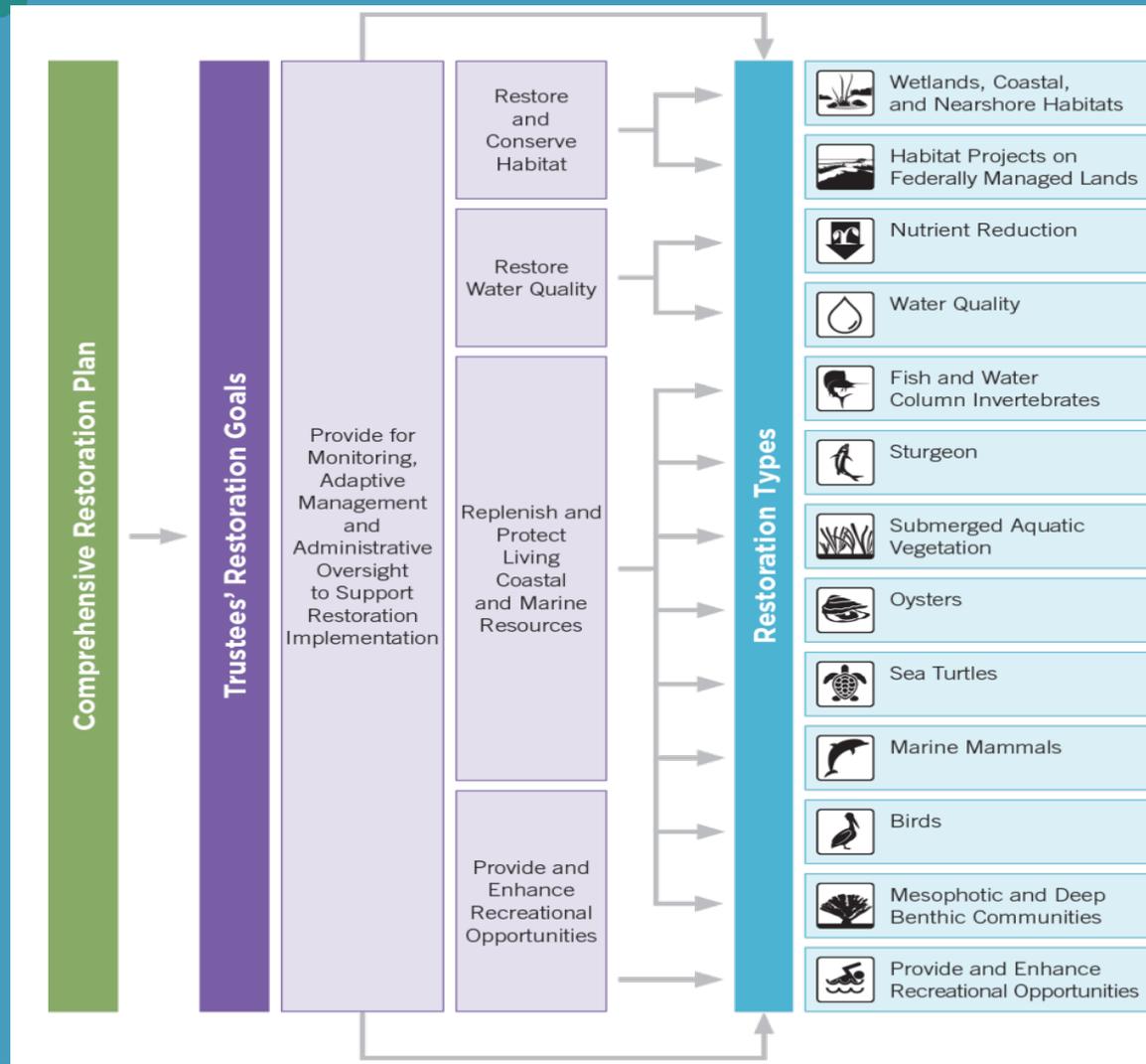


Funding from Settlement

\$8.8 Billion for Natural Resources Damages

- \$7.1 billion for new restoration projects
- \$1.0 billion for early restoration
- Up to \$700 million for unknown conditions and adaptive management

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)				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		20,603,770	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
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

Unknown Conditions and Adaptive Mgm't

All Trustees

Council Work Since Settlement

- Website redesign supports governance
- Standard Operating Procedures completed
- Monitoring and Adaptive Management manual under development
- DIVER public information updated

Restoration Area Updates



Alabama Restoration Area

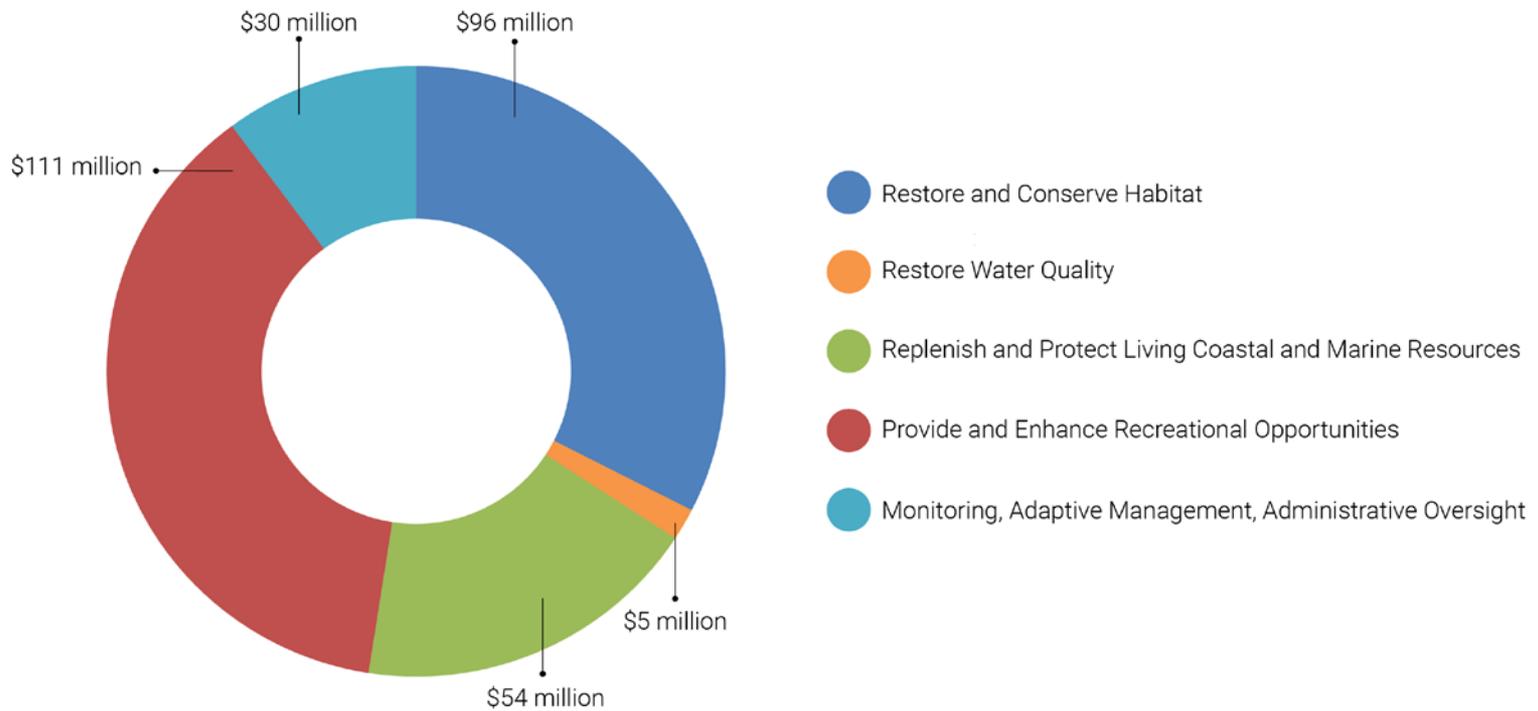
Alabama Restoration Area Members



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



Allocation



Alabama Restoration Area

Past - Present - Future



Past	Present	Future
<p>\$117 Million Committed for Early Restoration Projects</p> <ul style="list-style-type: none">• Marsh Island Restoration• AL Dune Restoration• Living Shorelines<ul style="list-style-type: none">• Shell Belt and Coden Belt Roads• Point aux Pins• Swift Tract• AL Oyster Cultch Restoration• Restoring the Night Sky (Sea Turtles)• AL Osprey Restoration• Gulf State Park Enhancement Project	<p>\$179 Million Available for Future Restoration Planning</p> <ul style="list-style-type: none">• Continued Implementation of Early Restoration Projects• Alabama TIG Restoration Plan I (Recreational Use)• Alabama TIG Restoration Plan II (Ecological Restoration)	<p>Continue Restoration Planning</p> <ul style="list-style-type: none">• Wetlands, Coastal and Nearshore Habitats; Habitat Projects on Federally Managed Lands• Nutrient Reduction• Fish and Water Column Invertebrates, Sea Turtles, Marine Mammals, Birds, Oysters



Florida Restoration Area

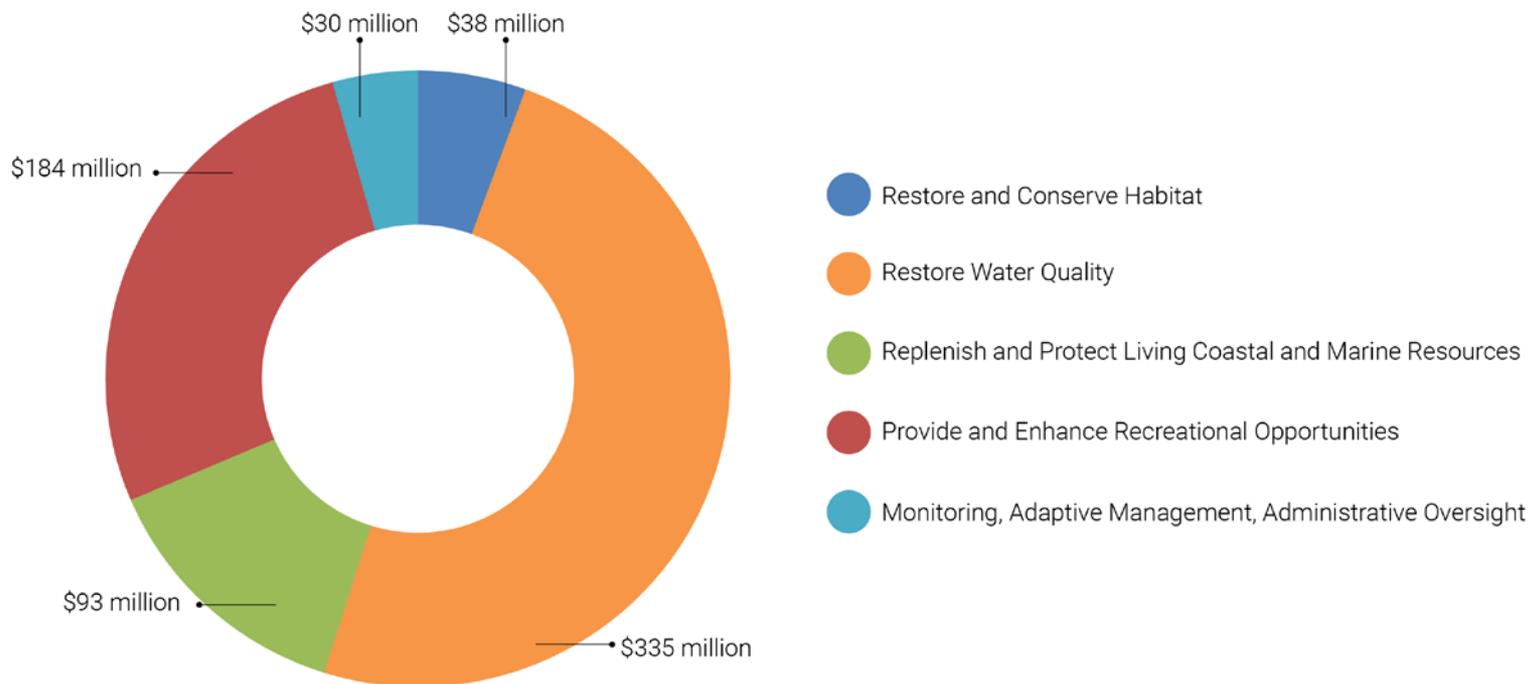
FL Restoration Area Members



- **Mimi Drew**, Florida Department of Environmental Protection
- **Kelly Samek**, Florida Fish and Wildlife Conservation Commission
- **Ben Frater**, Department of the Interior
- **Cecelia Harper**, U.S. Environmental Protection Agency
- **Laurie Rounds**, National Oceanic and Atmospheric Administration
- **Michele Laur**, U.S. Department of Agriculture



Allocation



FL Restoration Area

Past – Present - Future

Past		Present	Future
Early Restoration		Initial restoration types proposed via FL TIG webinar held 8/25/16	Next step – public proposes project ideas for initial restoration types
Phase	Amount		
Phase I	\$5,653,153		
Phase II	\$2,835,000		
Phase III	\$90,337,704		
Phase IV	\$136,700		
Phase V	\$45,415,573		



Louisiana Restoration Area

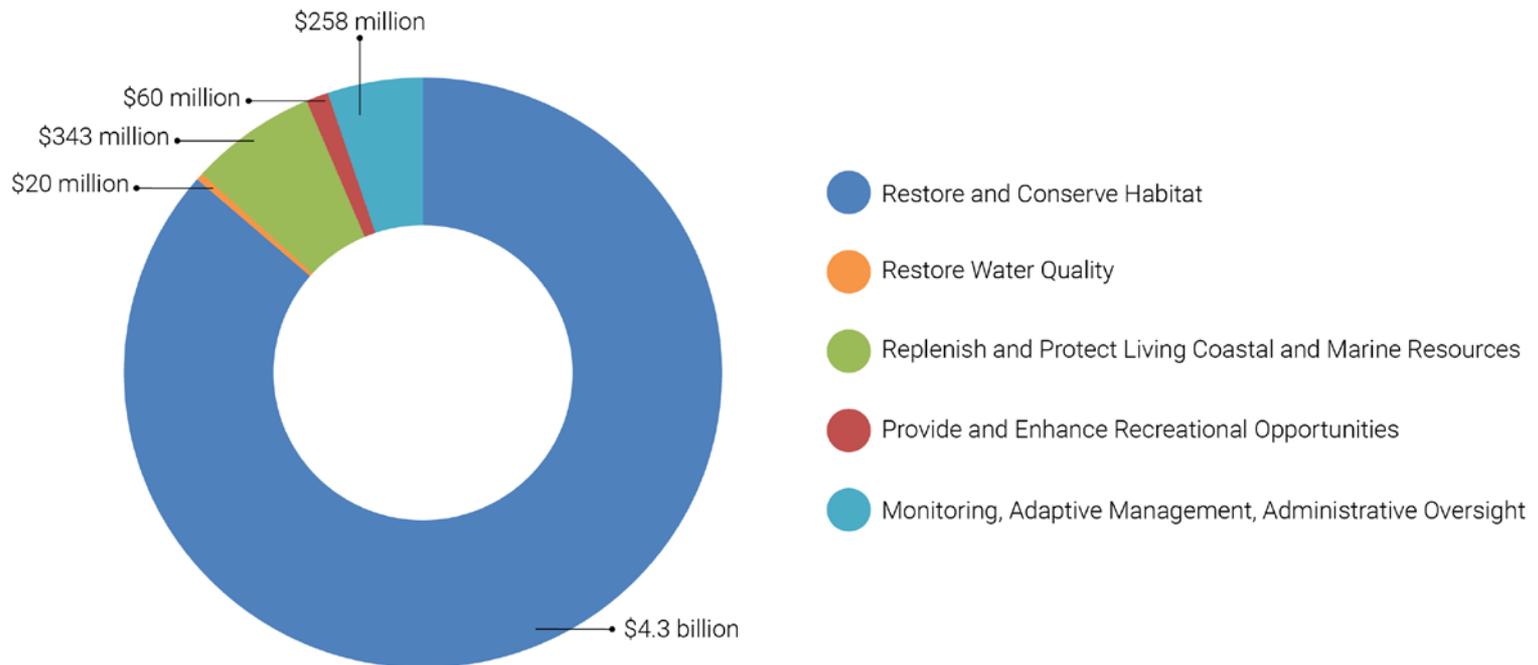
LA Restoration Area Members



- **Johnny Bradberry**, Louisiana
- **Colette Charbonneau**, Department of the Interior
- **Mel Landry**, National Oceanic and Atmospheric Administration
- **Brad Crawford**, U.S. Environmental Protection Agency
- **Michele Laur**, U.S. Department of Agriculture



Allocation



LA Restoration Area

Past - Present - Future



Past

Early Restoration Phase I

- LA Oyster Cultch Project
- Lake Hermitage Marsh Creation Project

Present

Early Restoration Phase III

- LA Outer Coast Restoration Project
 - LA Marine Fisheries Enhancem't, Research, & Science Center
- Post-settlement
- Drafting first restoration plan with focus on coastal habitat/marshes, bird injuries and federally-managed lands

Future

- Focus on long-term sustainable restoration of Louisiana
- Restoring Wetlands, Coastal and Nearshore Habitats
- Consistent with LA Coastal Master Plan



Mississippi Restoration Area

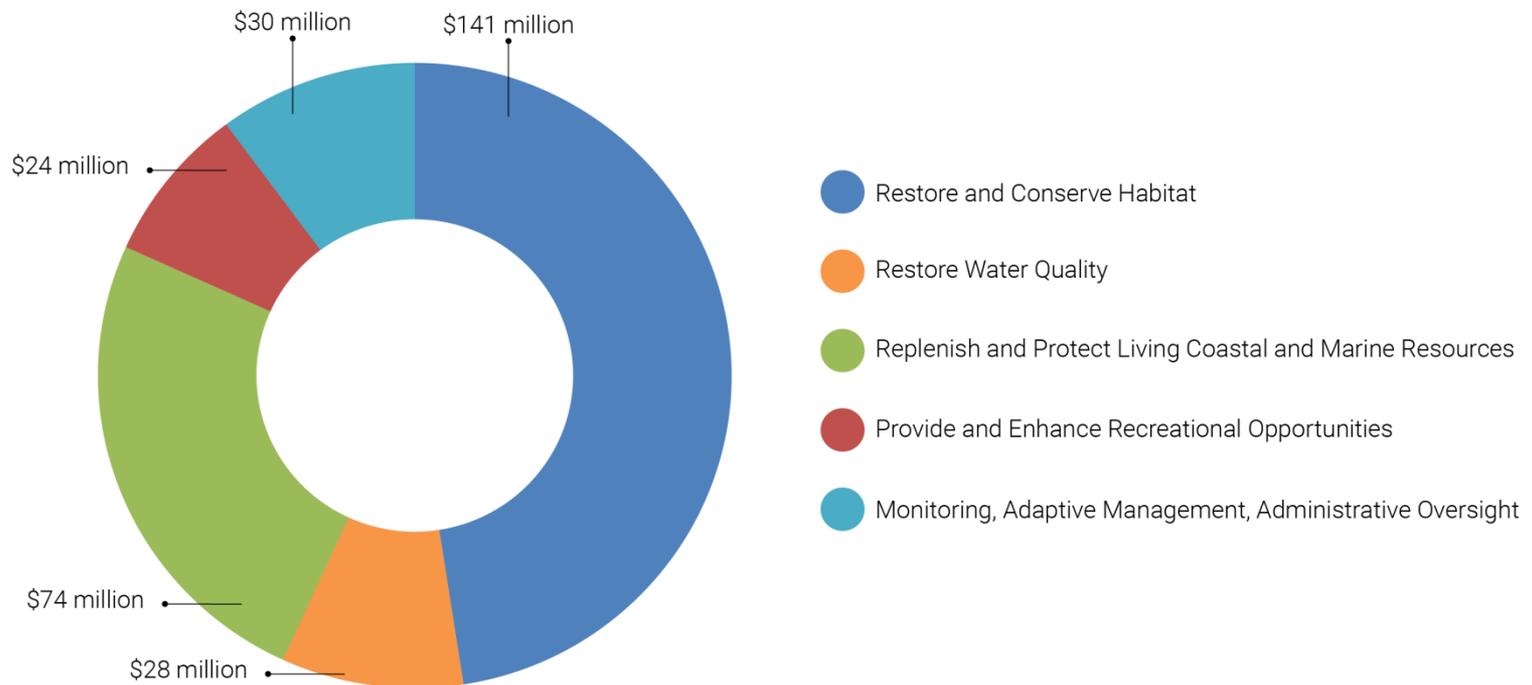
MS Restoration Area Members



- **Gary Rikard**, Mississippi Department of Environmental Quality
- **Jon Hemming**, Department of the Interior
- **Dan Van Nostrand**, National Oceanic and Atmospheric Administration
- **Michele Laur**, U.S. Department of Agriculture
- **Troy Pierce**, U.S. Environmental Protection Agency



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MS Restoration Area

Past - Present - Future



Past Phase 1 Early Restoration	Present Phases III & IV Early Restoration	Future 2016-17 TIG restoration focus
<ul style="list-style-type: none">• Mississippi Oyster Cultch Restoration• Mississippi Artificial Reef Habitat	<ul style="list-style-type: none">• INFINITY• Pascagoula Beachfront Promenade• Hancock County Living Shoreline• Popp's Ferry Causeway Park• Restoring Living Shorelines and Reefs in Mississippi Estuaries	<ul style="list-style-type: none">• Wetlands, Coastal and Nearshore Habitats• Nutrient Reduction (Nonpoint Source)• Birds



Texas Restoration Area

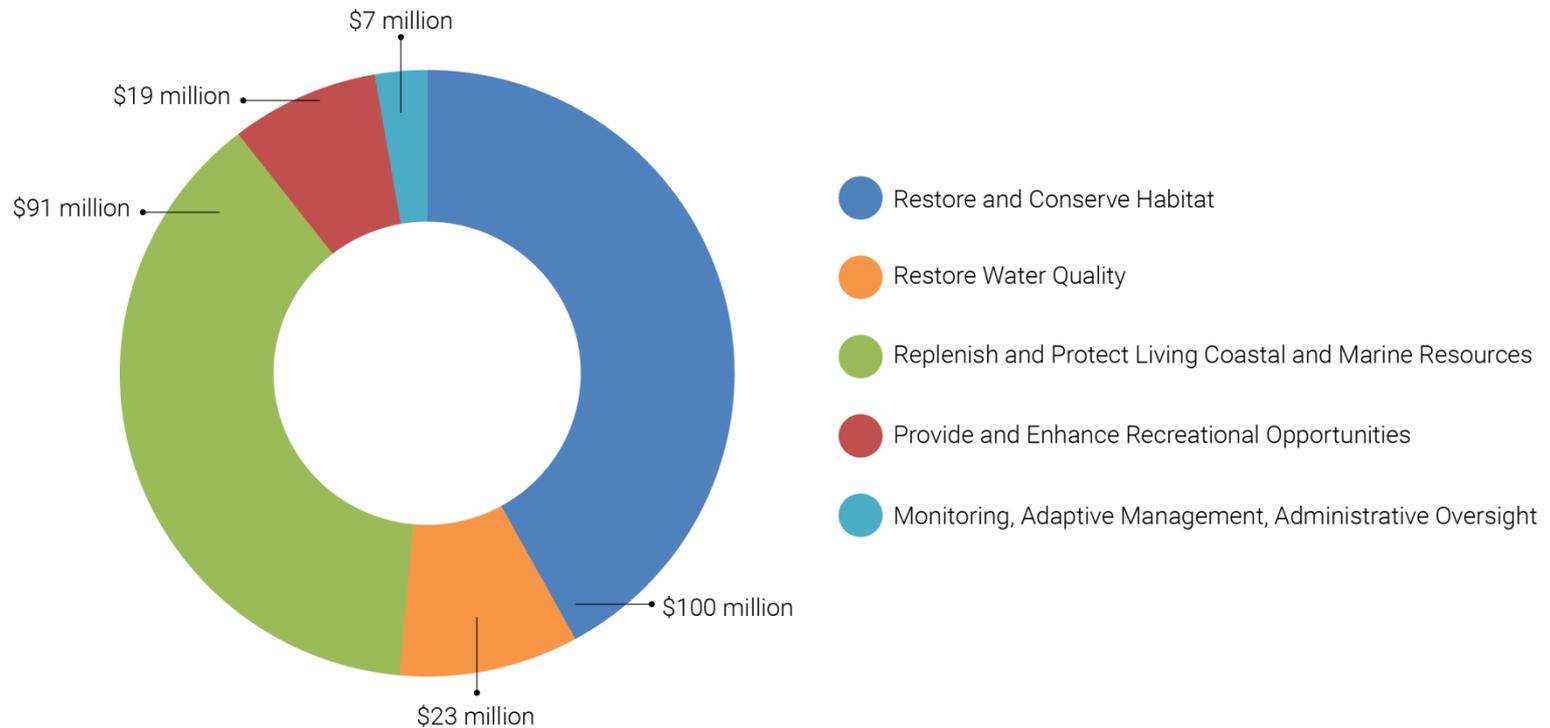
TX Restoration Area Members



- **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.
- **Michele Laur**, U.S. Department of Agriculture
- **Doug Jacobson**, U.S. Environmental Protection Agency



Allocation



TX Restoration Area

Past - Present - Future



Past

Early Restoration - \$59M

- Texas Rookery Islands
- Freeport Artificial Reef Projects
- Galveston Island State Park Beach Redevelopment
- Matagorda Artificial Reef Project
- Mid/Upper Texas Coast Artificial Reef Ship Reef Project
- Sea Rim State Park Improvements

Present

- Solicitation for additional restoration projects

Future

- Draft restoration plan/ environmental assessment
- March 2017 - anticipated release of draft for public comment



Open Ocean Restoration Area

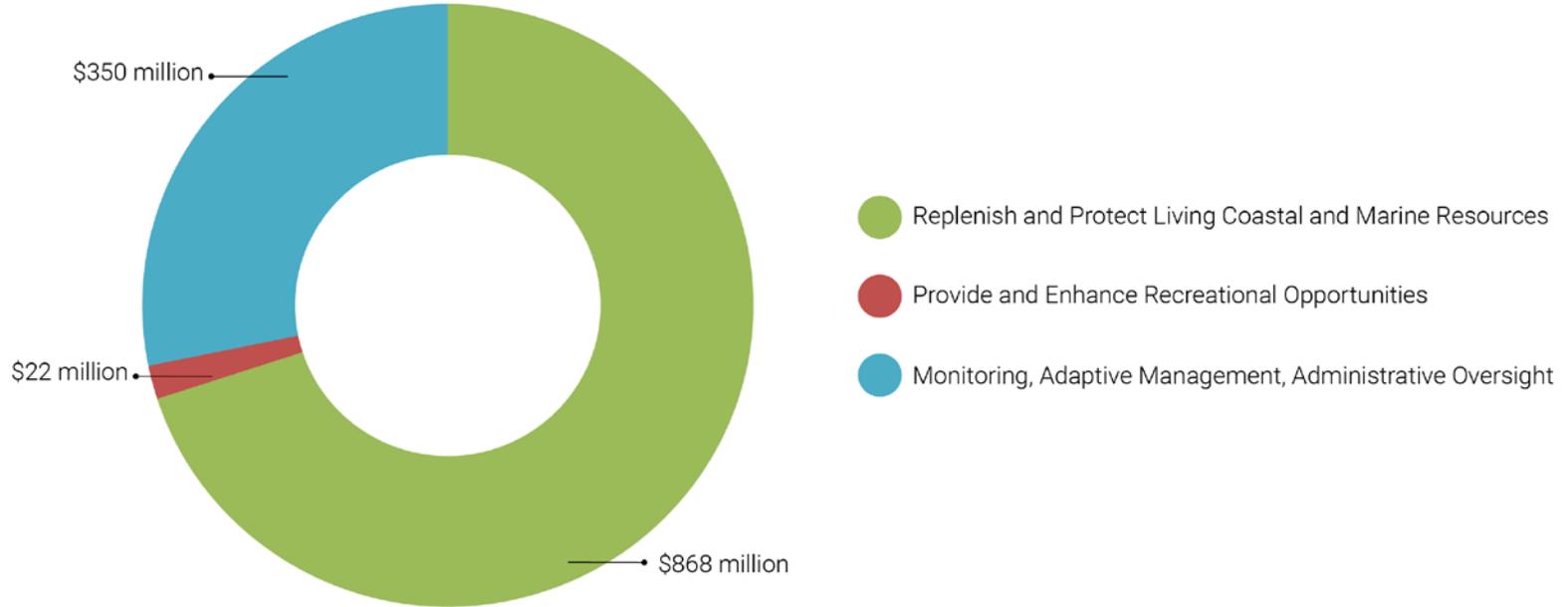
Open Ocean Restoration Area Members



- **Ashley Mills**, Department of the Interior
- **Kristopher Benson**, National Oceanic and Atmospheric Administration
- **Michele Laur**, U.S. Department of Agriculture
- **Gale Bonanno**, U.S. Environmental Protection Agency



Allocation



Open Ocean Restoration Area

Past - Present - Future



Past

**5 Early Restoration
Projects: \$42 million**

- **Fish and Water
Column Invertebrates**
- **Provide and Enhance
Recreational
Opportunities**

Present

**Asking for public
feedback on projects for
specific restoration types
– late fall 2016**

Future

- **Draft restoration plan
– projected fall 2017**
- **Public meeting – late
2016**



Region-wide Restoration Area

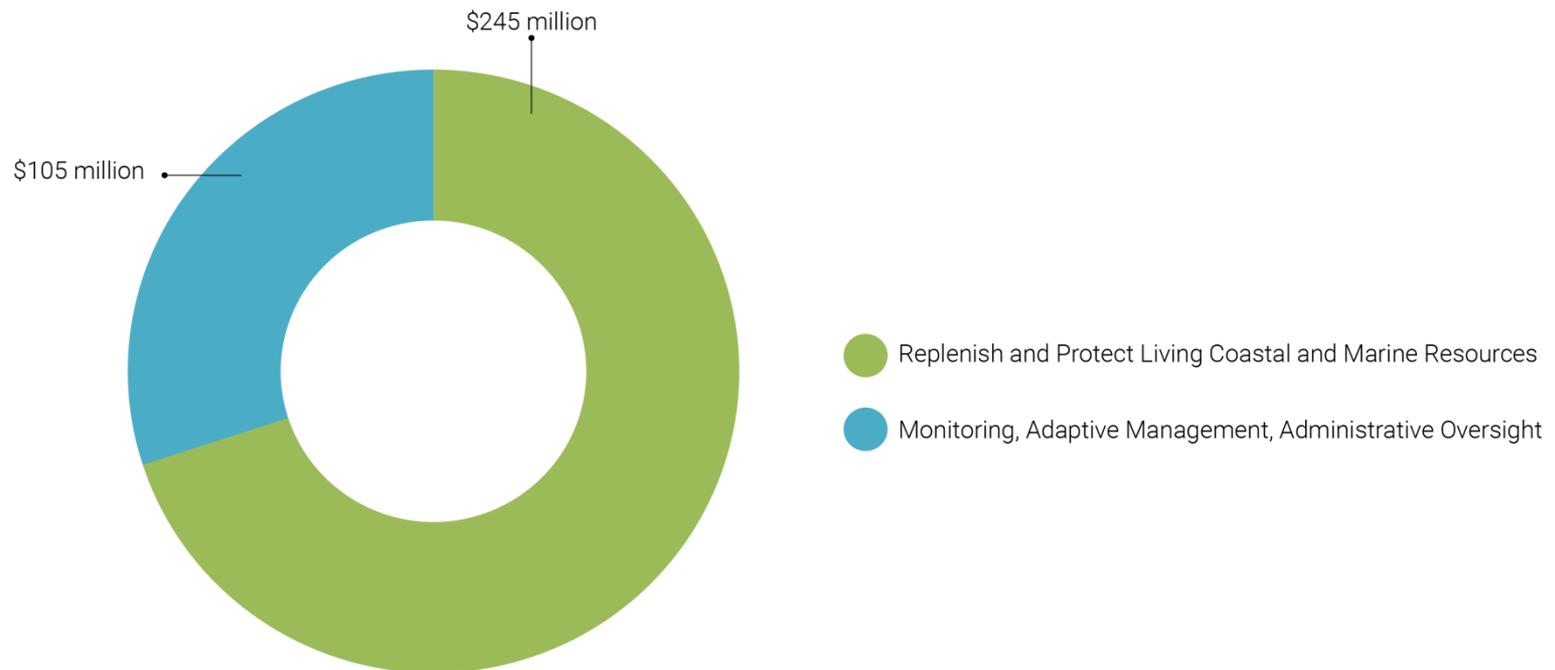
Region-Wide Restoration Area Members



- **Amy Hunter**, Alabama
- **Kelly Samek**, Florida
- **Michael Ellis**, Louisiana
- **Marc Wyatt**, Mississippi
- **Angela Sunley**, Texas
- **Colette Charbonneau**, Department of the Interior
- **Jamie Schubert**, National Oceanic and Atmospheric Administration:
- **Michele Laur**, U.S. Department of Agriculture
- **Tim Landers**, U.S. Environmental Protection Agency



Allocation



Region-Wide Restoration Area

Past - Present - Future



Past	Present	Future
<ul style="list-style-type: none">• Sea Turtle Restoration• Enhanced Management of Avian Breeding Habitat Injured by Response Activities• Improving habitat Injured by Spill Response – Restoring the Night Sky	<p>In Coordination with Trustee Council</p> <ul style="list-style-type: none">• Lead Administrative Trustee assistance to Council and all TIGs• Cross-TIG Monitoring & Adaptive Management Workgroup• Strategic Frameworks for Marine Mammals, Birds, Oysters Restoration Types	<ul style="list-style-type: none">• Restoration Gap Observation

Comments?

Thank you