

The *Deepwater Horizon* Oil Spill Trustees

CITY, STATE



**Our assessment of Gulf injuries and the proposed
restoration plan with funding allocations**

DATE, 2015

Who We Are

Alabama, Florida, Louisiana, Mississippi,
Texas, NOAA, DOI, EPA, and USDA

Our job as the Trustees is to:

- Assess injuries to natural resources
- Ensure restoration of injured natural resources

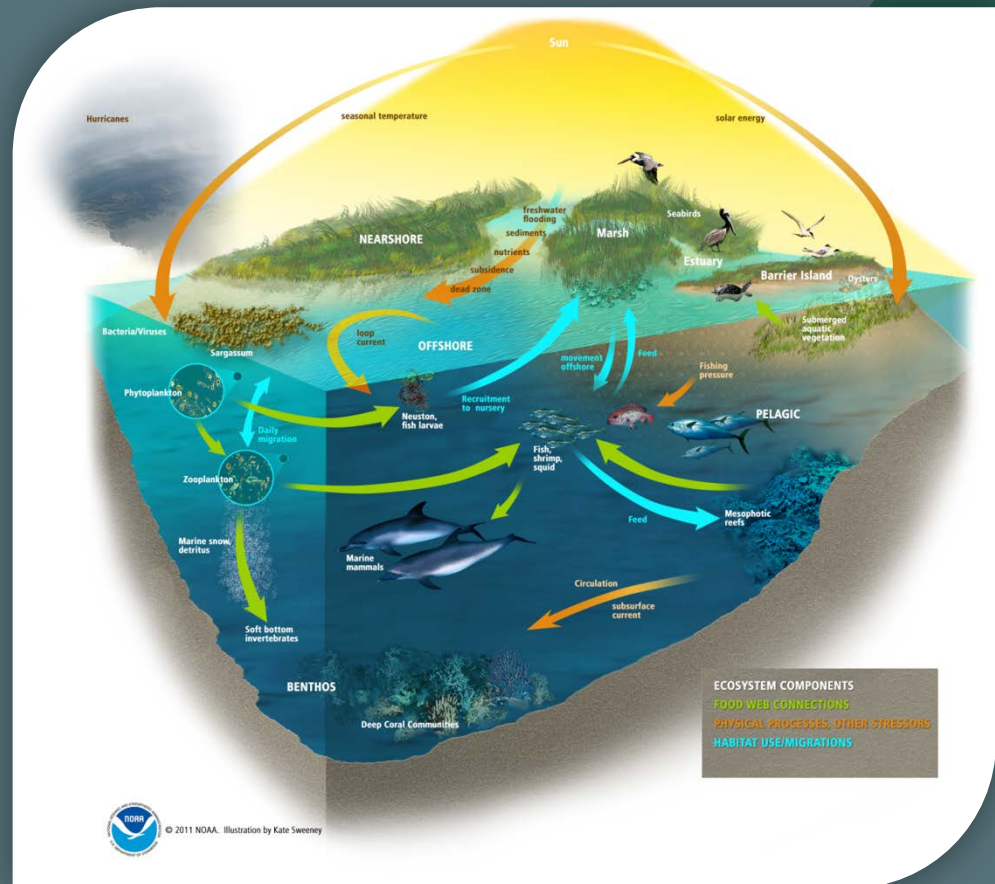
Why we are here today

- The Trustees have documented an ecosystem-level of injury to the northern Gulf of Mexico.
- The Trustees are proposing an ecosystem-level, integrated restoration plan.
- We want the public's comments on this draft restoration plan and programmatic environmental impact statement

Setting the Scene

The Gulf of Mexico is a vast productive ecosystem

Highly interactive, interdependent network of organisms (from microbes to plants to animals) and their chemical, biological, and physical environment



Setting the Scene

Largest offshore oil spill in our nation's history

More than 1,300 miles of shoreline fouled by oil

Oil slicks were observed cumulatively across 43,300 square miles



Setting the Scene

“Basically everywhere the oil went, it created harm.”

-DONALD BOESCH,
*President of the
University of Maryland
Center for Environmental Science*

Assessment: Data Collection

- **20,000** data collection trips
- More than **100,000** environmental samples collected
- More than **13 million** records
- Sediment, air, water, tissue samples, carcasses, photos, videos and aerial imagery
- All these data are available online at <https://dwhdiver.orr.noaa.gov>

Assessment: Injured Resource Categories

Recreational Use



Nearshore Marine
Ecosystem

Birds

Beach Habitat
In Nearshore Marine
Ecosystem Injuries

Sea Turtles

Water Column
Species

Marine Mammals

Benthic
Resources



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Assessment: What is considered an injury?

“Injury” includes adverse effects on:

- Survival, growth, and reproduction
- Health, physiology and biological condition
- Behavior
- Community composition
- Ecological processes and services
- Physical and chemical habitat quality or structure
- Public services, such as recreation



Indicators of an Ecosystem Level Injury

- Marshes fouled
- Harvestable oysters lost
- Birds, fish, shellfish, sea turtles, and dolphins killed
- Rare corals and red crabs impacted
- Recreational opportunities lost



Meeting our Statutory Requirements

Restoration
planning under the
Oil Pollution Act

Environmental
impacts analysis
under the National
Environmental
Policy Act



Programmatic Alternatives for Restoration Planning

Preferred Alternative:

- **Alternative A:** Comprehensive, integrated ecosystem restoration

Other alternatives considered:

- **Alternative B:** Resource-specific restoration
- **Alternative C:** Defer restoration plan development in favor of continued injury assessment
- **Alternative D:** No action; no additional restoration beyond early restoration

Our Programmatic Plan

- Addresses the ecosystem as an interconnected whole
- Identifies how and where funds will be invested to address the injuries from this spill
 - What types of restoration are most needed
 - Priority geographical areas for restoration
- Identifies how the Trustees will work together in the future to identify and propose specific projects

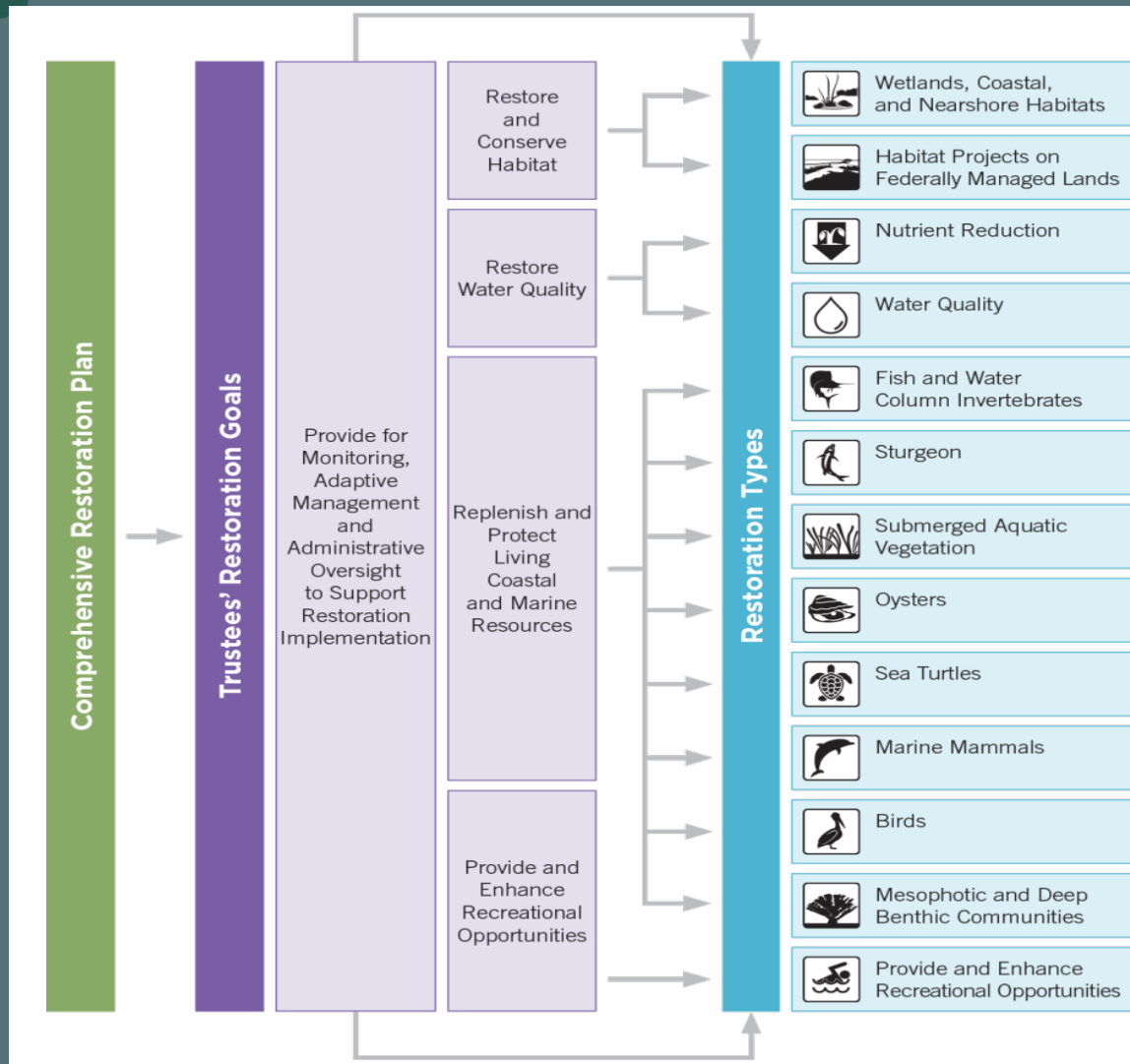
Restoration

15+ years, up to \$8.8 billion

- **\$1 billion** already committed for early restoration
- **\$7.1 billion** to complete restoration over 15+ years
- Up to an additional **\$700 million** for adaptive management and unknown conditions



Restoration



Allocation: Proposed Settlement of Natural Resource Damages Claims

Restoration Funding in Dollars

Major Restoration Categories	Unknown Conditions	Regionwide	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 (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 Invertebrates			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 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	64,372,413			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 Recreational Opportunities			22,397,916	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	

* The total restoration funding allocation for the Early Restoration work; each restoration type; and monitoring, adaptive management, and administrative oversight is \$8.1 billion (plus up to an additional \$700 million for adaptive management and unknown conditions).

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*

Regionwide

All Trustees

Open Ocean

*Federal
Trustees*

Unknown Conditions and Adaptive Management

All Trustees

Next Steps

- Public comment period ends Dec 4 , 2015
- We will consider and address all comments received
- We will finalize the plan



Submit Your Comments

Verbally at a public meeting

Online

Draft PDARP/PEIS: www.gulfspillrestoration.noaa.gov

Consent Decree: www.justice.gov/enrd/deepwater-horizon

Mail

Draft PDARP

U.S. Fish and Wildlife Service

P.O. Box 49567

Atlanta, GA 30345

Mail

Consent Decree

Department of Justice

P.O. Box 7611

Washington, DC 20044

Comment deadline is December 4, 2015