

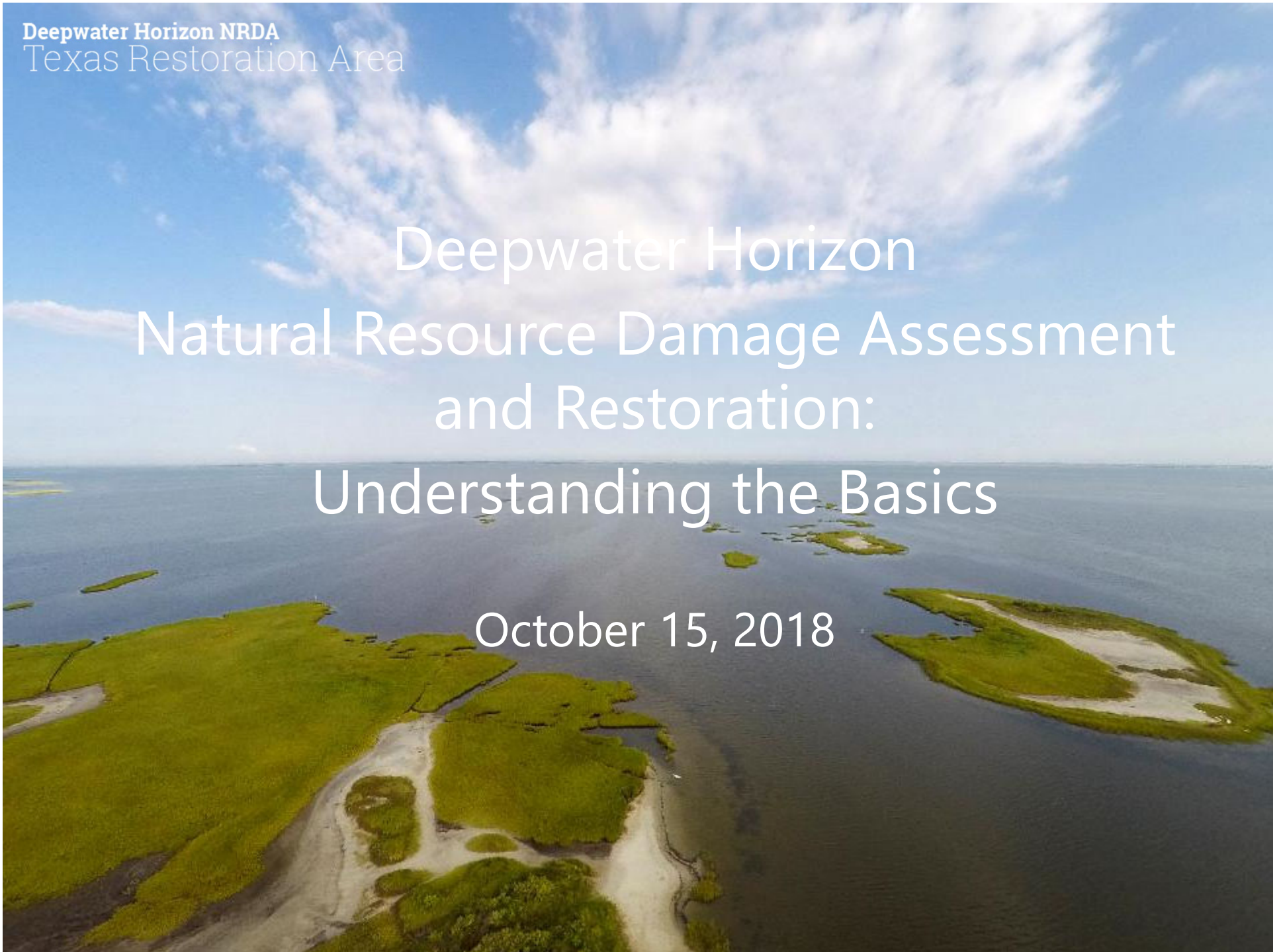
Tonight's Agenda

- Natural Resource Damage Assessment and Restoration: Understanding the Basics
- Texas Trustee Implementation Group Update
- Questions and Discussion
- Wrap-Up

Deepwater Horizon NRDA
Texas Restoration Area

Deepwater Horizon Natural Resource Damage Assessment and Restoration: Understanding the Basics

October 15, 2018



Presentation Goals

- Deepwater Horizon oil spill settlement background
- Review NRDA process basics
- Explain how you can get involved in NRDA
- Questions and Discussion

DWH Oil Spill Settlements and Major Funding Sources

2010 - *Deepwater Horizon* oil spill occurred

2012 – 2016 Settlements with Transocean, BP and others

- \$2.544 billion in 2012/13 to NFWF GEBF*
- Global Settlement with BP in 2016
 - \$8.8 billion for NRDA restoration over 15 years
 - \$5.328 billion to RESTORE Council

*National Fish and Wildlife Foundation Gulf Environmental Benefit Fund

What is NRDA?

- A legal process
 - Based in the Oil Pollution Act (OPA)
 - Natural Resource Trustee agencies assess the degree to which natural resources and the services they provide may have been injured by an oil spill and spill response activities
 - Then determine how to compensate the public through on-the-ground restoration activities

Recreational Activities



NRDA Process

DETERMINE INJURY:

What was injured, extent, magnitude?

RESTORATION PLANNING:

What needs to be done to restore the natural resources?

RESTORATION COST:

How much will this cost?

ASSESS MONETARY DAMAGES:

Seek monetary damages from the polluter to pay for restoration.

Programmatic Restoration Plan: Restoration Goals

1. Restore and conserve habitat
2. Restore water quality
3. Replenish and protect living and coastal and marine resources
4. Provide and enhance recreational opportunities
5. Provide monitoring, adaptive management, administrative oversight



Programmatic Restoration Plan: Restoration Goals

1. **Restore and conserve habitat**
2. Restore water quality
3. Replenish and protect living and coastal and marine resources
4. Provide and enhance recreational opportunities
5. Provide monitoring, adaptive management, administrative oversight

Restoration Types



Wetlands, Coastal and Nearshore Habitats



Habitat Projects on Federally Managed Lands

Programmatic Restoration Plan: Restoration Goals

1. Restore and conserve habitat
2. **Restore water quality**
3. Replenish and protect living coastal and marine resources
4. Provide and enhance recreational opportunities
5. Provide monitoring, adaptive management, administrative oversight

Restoration Types



Nutrient Reduction
(nonpoint source)



Water Quality (e.g.
stormwater treatments,
hydrologic restoration,
reduction of
sedimentation, etc.)

Programmatic Restoration Plan: Restoration Goals

1. Restore and conserve habitat
2. Restore water quality
3. **Replenish and protect living coastal and marine resources**
4. Provide and enhance recreational opportunities
5. Provide monitoring, adaptive management, administrative oversight

Restoration Types



Sturgeon



Birds



Sea
Turtles



Oysters



Marine
Mammals



Fish and
Water
Column
Invertebrates



Mesophotic Reefs and Deep
Benthic Habitats

Programmatic Restoration Plan: Restoration Goals

1. Restore and conserve habitat
2. Restore water quality
3. Replenish and protect living coastal and marine resources
4. **Provide and enhance recreational opportunities**
5. Provide monitoring, adaptive management, administrative oversight

Restoration Types



Provide and Enhance
Recreational
Opportunities

Programmatic Restoration Plan: Restoration Goals

1. Restore and conserve habitat
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4. Provide and enhance recreational opportunities
5. **Provide monitoring, adaptive management, administrative oversight**

Restoration Types



Monitoring and
Adaptive Management



Administrative Oversight
and Comprehensive
Planning

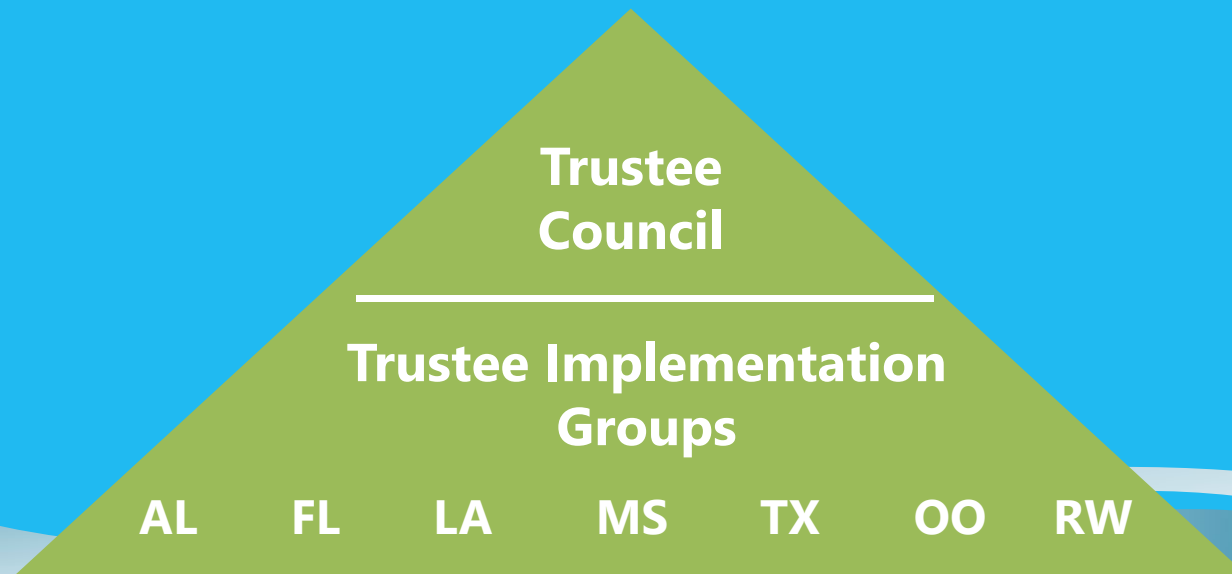
Trustee Council Structure

Trustee Council – Oversight, coordination

Restoration Areas and Trustee Implementation Groups

TIG - Where the action is!

Restoration planning, public engagement, project selection, implementation, & monitoring



DWH NRDA Restoration Funding

Restoration Area	Allocation
Alabama	\$296 million
Florida	\$680 million
Louisiana	\$5.00 billion
Mississippi	\$296 million
Texas	\$238 million
Open Ocean	\$1.24 billion
Regionwide	\$350 million

TX TIG NRDA Funding

\$238 million

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	17,000,000	50,000,000	5,000,000		75,000,000
Early Restoration Projects (through Phase IV)				28,110,000	16,629,357	258,525,700	80,000,000		383,365,057
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	160,000,000
Early Restoration Sea Turtles		29,256,165						19,926,000	49,182,165
Submerged Aquatic Vegetation						22,000,000			22,000,000
Marine Mammals		19,000,000	55,000,000	5,500,000	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	483,900,000
Early Restoration Birds		1,821,100		145,000	2,305,000	71,907,000		29,600,000	77,774,100
Mesophotic and Deep Benthic Communities			273,300,000						273,300,000
Oysters		63,872,415		10,000,000	20,000,000	26,000,000	20,000,000	22,500,000	142,372,415
Early Restoration Oysters				3,329,000	6,370,000	14,874,000	13,800,000		38,373,000
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 Uses			23,354,916	8,000,000	120,000,000	22,000,000	15,800,000	15,652,688	286,807,604
5. MONITORING, ADAPTIVE MANAGEMENT, AND ADMINISTRATIVE OVERSIGHT									
Monitoring and Adaptive Management		85,000,000	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	\$295,357,000	\$238,151,458	

Project Planning and Implementation Steps

1. Request for restoration project ideas

- Submit project ideas

← POINT OF PUBLIC ENGAGEMENT

2. Notice of initiation of restoration planning

3. Draft restoration plan for public comment

4. Final restoration plan

5. Implementation & monitoring

Trustee Submission Portal

GULF SPILL RESTORATION
Portal maintained by NOAA as part of the Deepwater Horizon Natural Resource Damage Assessment Trustee Council

HOME ABOUT US DAMAGE ASSESSMENT BP OIL SPILL RESTORATION WHAT YOU CAN DO NEWS & MEDIA Search Here

Suggest a Restoration Project

Share Your Ideas

Do you have ideas for a specific restoration project in your area? You can use the online form below to give us the details and your information will be entered into our database. These suggested projects will be retained as part of a database that will be evaluated by the trustees for consideration in project-specific restoration plans that will be subject to public review and comment.

Please keep a record of your confirmation number after submitting your information. If you are having problems with the online form, use the [alternate project submission form](#).

Project Submission Guidelines (click to expand)

Introduction Intro 1 2 3 4 5 6 Submit Next

Guidelines for Completion

Please complete all of the information requested with the best information that you have available. Specific instructions for each field in the form can be obtained by placing your mouse pointer on the ⓘ symbol associated with the field title.

Would you like to enter a new project or edit an existing project?

Enter a New Project
 Edit an Existing Project

Next

Project Planning and Implementation Steps

1. Request for restoration project ideas
2. Notice of initiation of restoration planning
3. Draft restoration plan
 - Public review & comment
4. Final restoration plan
5. Implementation & monitoring

POINT OF PUBLIC ENGAGEMENT



Draft Plan to Final Plan

- Draft plan posted on the web
- Email notification
- Asks for public comment request (usually 30 days)
- Includes link to public comment portal
- Has public meeting/webinar information
- TIG considers all comments received and finalizes restoration plan

Where to find NRDA information

The screenshot shows the homepage of the Gulf Spill Restoration website. At the top, the title "GULF SPILL RESTORATION" is displayed in large, bold, black letters. Below the title, a row of logos for various organizations is shown, including NOAA, EPA, and USDA. A sub-header reads "Website maintained by NOAA on behalf of the Deepwater Horizon Natural Resource Damage Assessment Trustees". A navigation menu includes links for "Home", "About Us", "How We Restore", "Restoration Areas", "Data", and "Media & News", along with a "Google Custom Search" box. The main content area features a large image of a Volvo excavator on a barge lifting a large, conical concrete structure into the water. Overlaid on this image is the text "Texas Trustee Implementation Group to Hold Annual Public Meeting on October 15" and a "Learn More" button. Below the image is a section titled "Restoration Areas" with seven icons representing different regions: Alabama, Florida, Louisiana, Mississippi, Texas, and Region-wide Open Ocean.

GULF SPILL RESTORATION

Website maintained by NOAA on behalf of the Deepwater Horizon Natural Resource Damage Assessment Trustees

Home About Us How We Restore Restoration Areas Data Media & News Google Custom Search

Texas Trustee Implementation Group to Hold Annual Public Meeting on October 15

Learn More

Restoration Areas

Alabama Florida Louisiana Mississippi Texas Region-wide Open Ocean

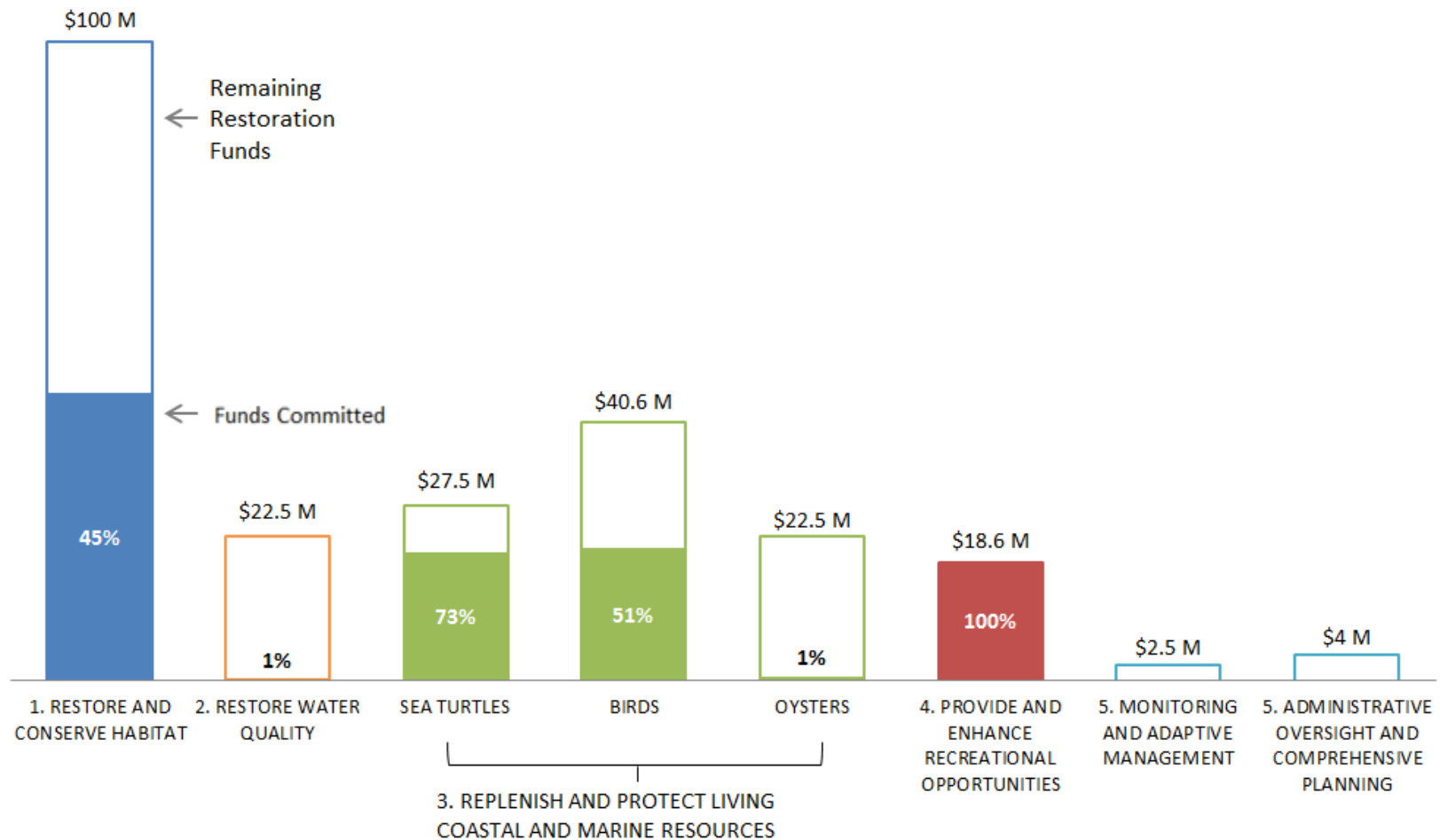
Deepwater Horizon NRDA
Texas Restoration Area



Texas TIG Annual Update



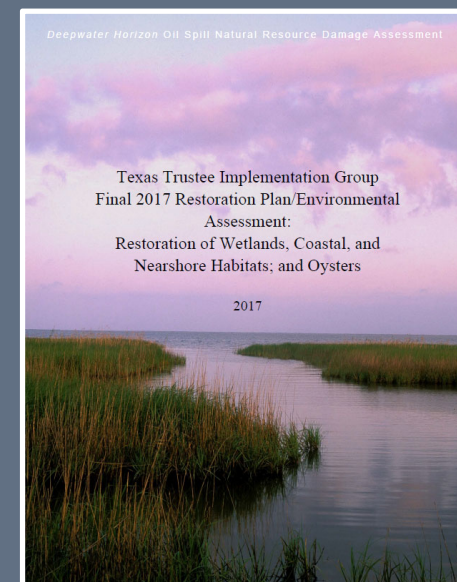
Funding Update





2017 Restoration Plan

- Oyster Restoration Engineering
- Bird Island Cove Habitat Restoration Engineering
- Essex Bayou Habitat Restoration Engineering
- Dredged Material Planning for Wetland Restoration
- McFaddin Beach and Dune Restoration
- Bessie Heights Wetland Restoration
- Pierce Marsh Wetland Restoration
- Indian Point Shoreline Erosion Protection
- Bahia Grande Hydrologic Restoration
- Follets Island Habitat Acquisition
- Mid-Coast Habitat Acquisition
- Bahia Grande Coastal Corridor Habitat Acquisition
- Laguna Atascosa Habitat Acquisition





How We Implement Projects

Partnership



Planning



Coordination



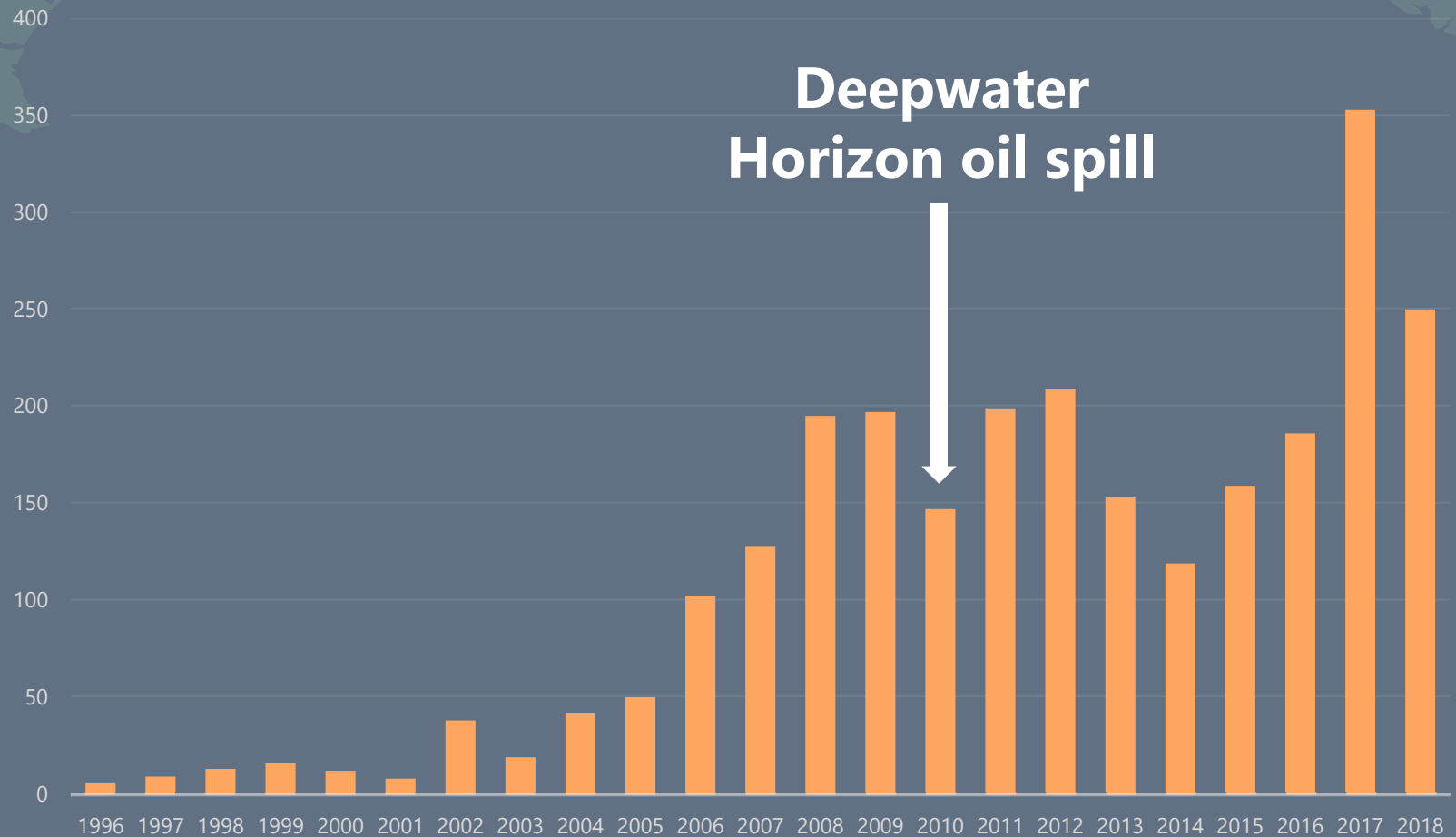
Sea Turtle Restoration



- Kemp's Ridley nest detection and protection
- Enhancement of the sea turtle stranding and salvage network
- Enhancement of the Fisheries Bycatch Enforcement



Kemp's Ridley Nesting



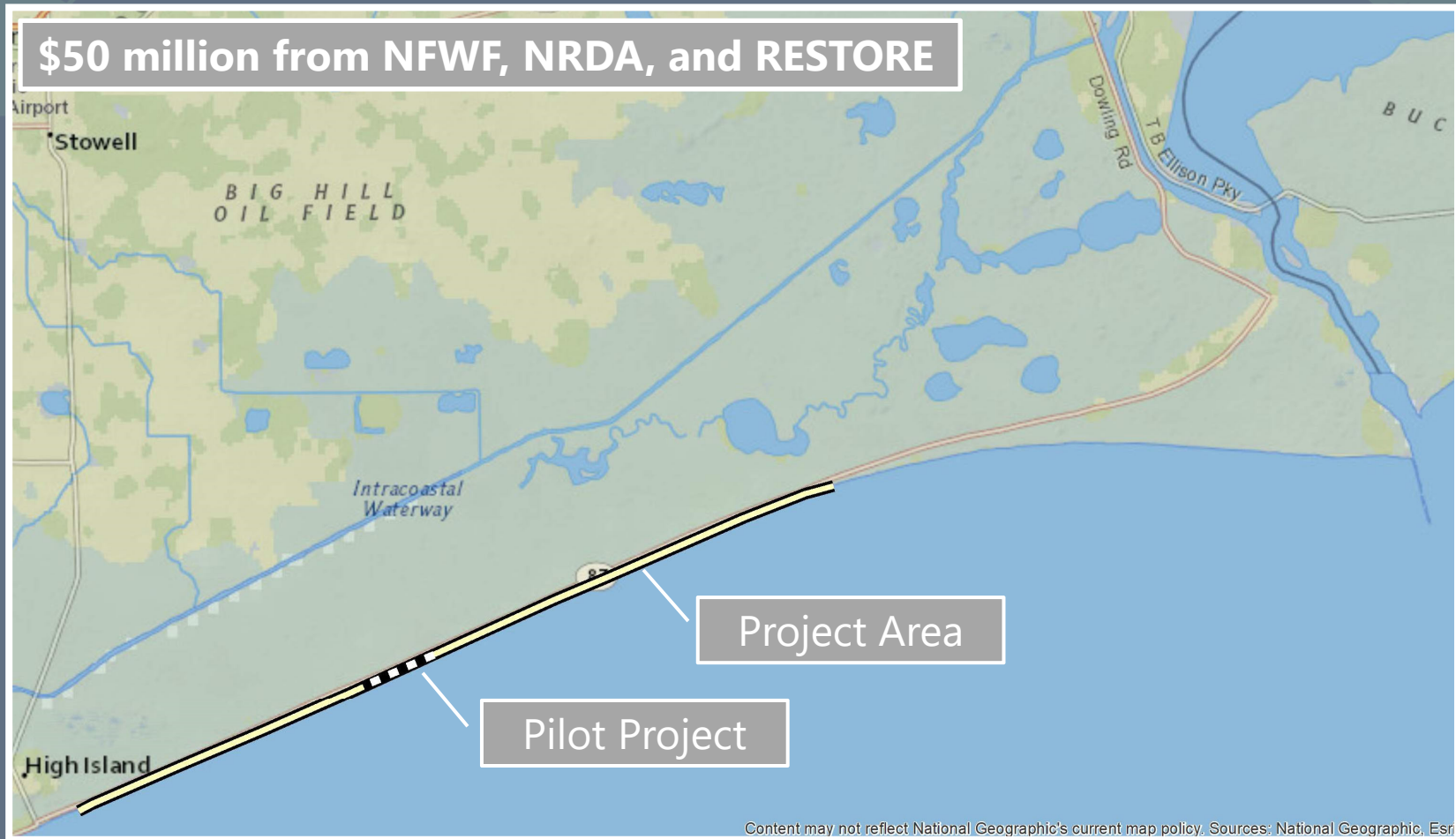
Stranding, Rehabilitation and Enforcement



McFaddin Dune and Beach Restoration



\$50 million from NFWF, NRDA, and RESTORE

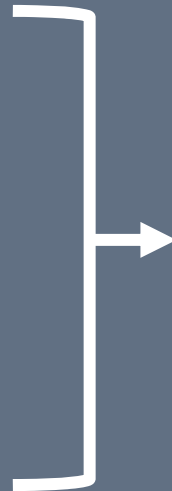


Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri

McFaddin Dune and Beach Restoration



Pre-Restoration



Pilot Project



Beneficial Use of Dredged Material



Beneficial Use of Dredged Material



- Bessie Heights Wetland Restoration
- Pierce Marsh Wetland Restoration
- Dredged Material Planning for Wetland Restoration



TX Restoration Area Representatives



- **Johanna Gregory**, Texas Parks and Wildlife Dept.
- **Richard Seiler**, Texas Commission on Environmental Quality
- **Angela Sunley**, Texas General Land Office
- **Chip Wood**, U.S. 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

Deepwater Horizon NRDA
Texas Restoration Area

Thank you!



This presentation was given at a public meeting in Galveston, TX on October 15, 2018 by the Texas TIG.

There is no transcription available for that meeting.