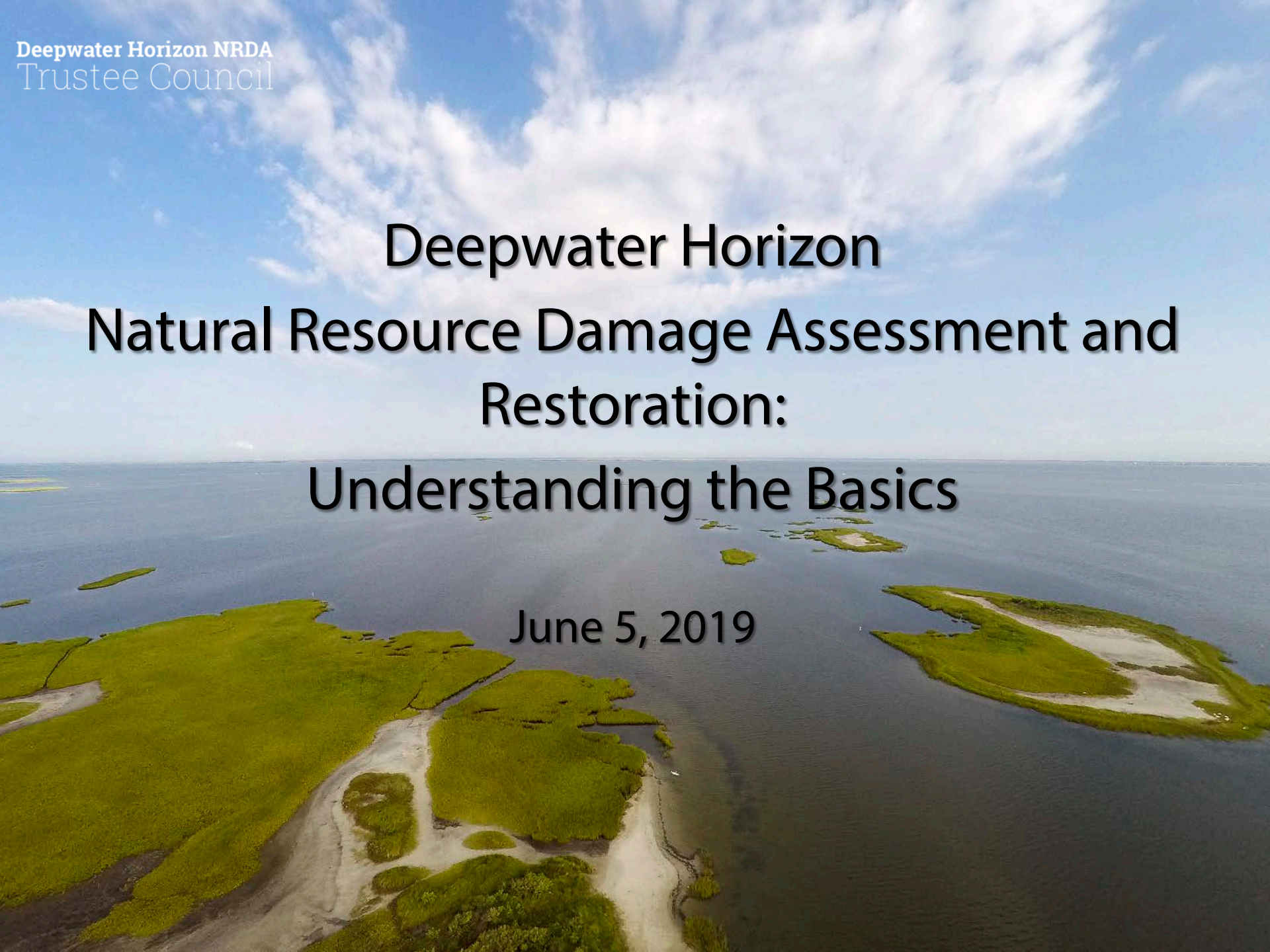


# *Tonight's Agenda*

- Natural Resource Damage Assessment and Restoration: Understanding the Basics
  - Questions & Answers/Discussion
- Break – 15 minutes
- From Concept to Project: How to Effectively Propose Restoration Project Ideas
  - Questions & Answers/Discussion
- Wrap-Up

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

June 5, 2019



# ***Presentation Goals***

- Provide oil spill settlement background.
- Differentiate Natural Resource Damage Assessment (NRDA) from other key funding streams.
  - National Fish and Wildlife Foundation (NFWF) Gulf Environmental Benefit Fund (GEBF).
  - RESTORE Act.
- Review NRDA process basics.
- Explain how you can get involved in NRDA.
- Questions and Answers/Discussion.

# *DWH Oil Spill Settlements and Major Funding Sources*

Major Settlements with Transocean, BP and others:

- In 2012/13: \$2.544 billion to National Fish and Wildlife Foundation GEBF\*.
- In 2016 Global Settlement with BP:
  - \$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 remedy injury through restoration projects and activities.

## Recreational Activities





# ***NRDA Process***

**DETERMINE INJURY to NATURAL RESOURCES:**

What was injured, extent, magnitude?

**ASSESS MONETARY DAMAGES to COMPENSATE for LOSS:**

What needs to be done to restore the natural resources and cost?

**MAKE CLAIM FOR COMPENSATION:**

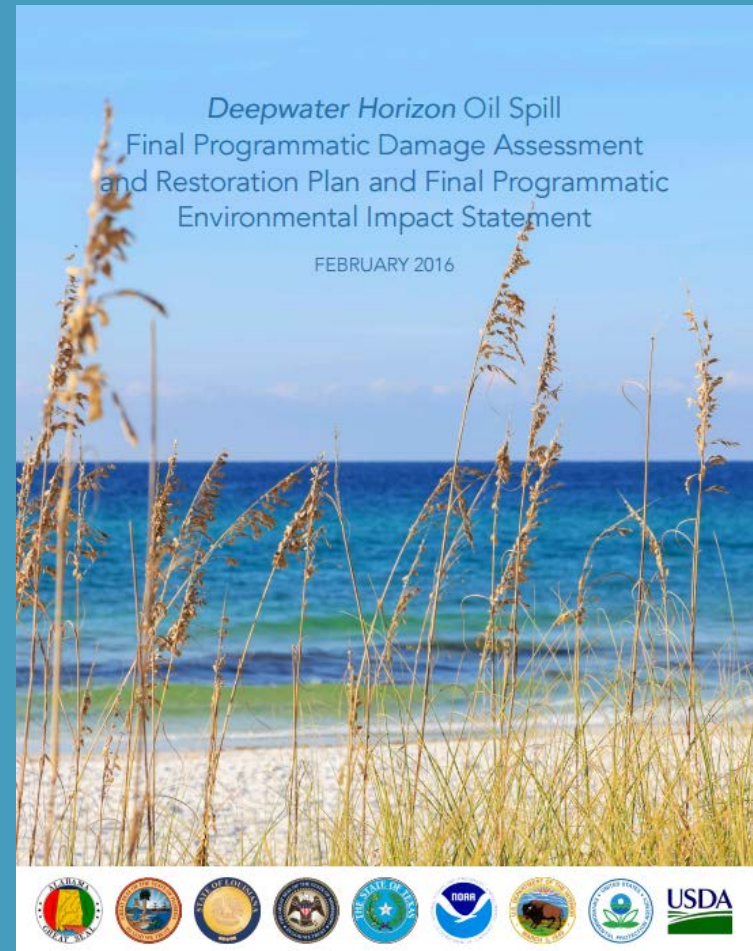
To responsible party(ies)

**CLAIM SETTLED OR CONTESTED**

**RESTORATION OF NATURAL RESOURCES**

# *Programmatic Restoration Plan*

- Sometimes called the “PDARP.”
- Guides governance and ecosystem approach to restoration.
- Available online at the Trustee Council website.



# *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. 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. 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 and coastal and marine resources.
4. Provide and enhance recreational opportunities.
5. 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 and coastal and marine resources.
4. Provide and enhance recreational opportunities.
5. 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 and coastal and marine resources
4. **Provide and enhance recreational opportunities**
5. Monitoring, adaptive management, administrative oversight

## Restoration Types



Provide and Enhance  
Recreational  
Opportunities

# *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. **Monitoring, adaptive management, administrative oversight .**

## Restoration Types



Monitoring and Adaptive Management



Administrative Oversight and Comprehensive Planning

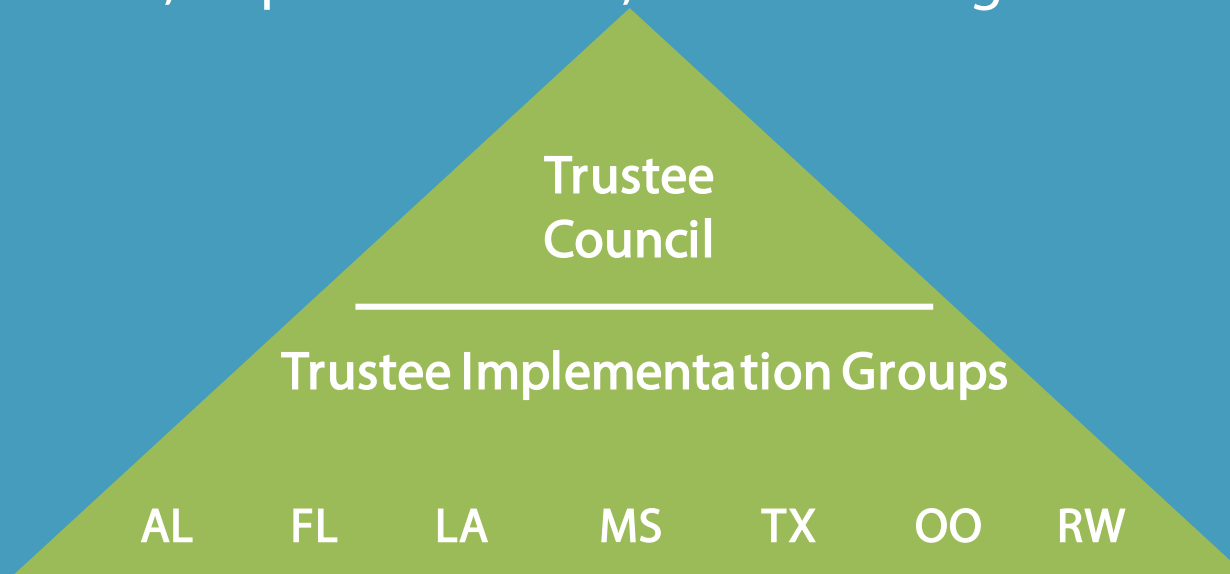


# *Trustee Council Structure*

Trustee Council – Oversight, coordination.

Trustee Implementation Groups – Where the action is!

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



# *Deepwater Horizon NRDA Restoration Funding*

Restoration Area	Allocation
Alabama	\$296 million
Florida	\$680 million
Louisiana	\$5.00 billion
Mississippi	\$296 million
Texas	\$238 million
Open Ocean	\$1.240 billion
Regionwide	\$350 million

# Deepwater Horizon NRDA Restoration Funding

## Restoration Funding in Dollars

Major Restoration Categories	Unknown Conditions	Region-wide	Open Ocean	Alabama	Florida	Louisiana	Mississippi	Texas	Total Restoration Funding*
<b>1. RESTORE AND CONSERVE HABITAT</b>									
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
<b>2. RESTORE WATER QUALITY</b>									
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
<b>3. REPLENISH AND PROTECT LIVING COASTAL AND MARINE RESOURCES</b>									
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
<b>4. PROVIDE AND ENHANCE RECREATIONAL OPPORTUNITIES</b>									
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	267,986,076
<b>5. MONITORING, ADAPTIVE MANAGEMENT, AND ADMINISTRATIVE OVERSIGHT</b>									
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
<b>TOTAL NRD FUNDING</b>	<b>\$700,000,000</b>	<b>\$349,851,678</b>	<b>\$1,240,697,916</b>	<b>\$295,589,305</b>	<b>\$680,152,643</b>	<b>\$5,000,000,000</b>	<b>\$295,557,000</b>	<b>\$238,151,458</b>	

# National Fish and Wildlife Foundation

The screenshot shows the homepage of the National Fish and Wildlife Foundation (NFWF). At the top, there is a navigation bar with links for 'Apply for a Grant', 'Become a Partner', 'Conservation Programs', 'Media Center', and a prominent 'DONATE' button. Below this is the NFWF logo and the text 'Who We Are', 'What We Do', 'Partnerships', and 'Results'. A secondary navigation bar includes 'Home' and 'Welcome to the National Fish and Wildlife Foundation', along with social media icons for Facebook, Twitter, YouTube, Instagram, Pinterest, LinkedIn, and YouTube, and a search bar.


The main content area features a large banner image of a sea turtle on a beach. Below the image is the headline: 'More Than \$280 Million Awarded for Restoration Projects on the Gulf Coast'. To the right of the banner is a 'NEWS' section with a list of recent updates, including 'NFWF Announces Release of the National Coastal Resilience Fund 2019 Request for Proposals' and 'U.S. Fish and Wildlife Service's Jim Gale Honored with Prestigious National Law Enforcement Award'. Next to the news is an 'ANNOUNCEMENTS' section with items like 'National Coastal Resilience Fund 2019 Request for Proposals' and 'Request for Quotation: Restoration Monitoring for Robinson Preserve Wetlands Restoration Project'. Below the news and announcements is a 'JOIN OUR MAILING LIST' button.

At the bottom of the page, there are three columns of content: 'PROTECTING SPECIES' with an image of a sea turtle, 'ENGAGING PARTNERS' with an image of a woman working in a field, and 'MITIGATING IMPACTS' with an image of a bird. To the right of these columns is a large blue box for the 'Gulf Environmental Benefit Fund' (GEBF), which includes the text: 'Under the terms of plea agreements approved by a U.S. District Court, NFWF has received more than \$2.5 billion to fund projects benefiting natural resources in and around the Gulf of Mexico.' Below this text are links for 'GULF FUND' and 'PROJECTS'.

## Gulf Environmental Benefit Fund (GEBF)



# RESTORE Council



The screenshot shows the RESTORETHEGULF.GOV website. At the top left is the RESTORE logo, which includes the text "GULF COAST ECOSYSTEM RESTORATION COUNCIL" and "RESTORE". To the right of the logo is the text "RESTORETHEGULF.GOV" and "The official website of the Gulf Coast Ecosystem Restoration Council". A search bar is located in the top right corner. The main content area features a map of the Gulf of Mexico with a red outline. A sidebar on the left contains the following text: "MS State Expenditure Plan Amendment Recommended for Approval", "Council Approves 2017 Annual Report to Congress", "Council Approves 2017 Funded Priorities List (CPS FPL)", and "Subscribe to RESTORE EBlasts". The text "Council Approves 2017 Funded Priorities List (CPS FPL)" is highlighted with a red box. At the bottom of the page, there are two navigation links: "The Council" with a person icon and the subtext "History, People, Resources", and "Our Work" with a briefcase icon and the subtext "Projects, Outreach".

## RESTORE Act



# Questions?






# From Concept to Project: How to Effectively Propose a Restoration Project Idea



# *Project Selection & Implementation Steps*

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



# Project Portal & Email Sign Up

The screenshot shows the homepage of the Gulf Spill Restoration website. At the top, it features the title "GULF SPILL RESTORATION" and logos for NOAA, EPA, and USDA. Below the title, it states "Website maintained by NOAA on behalf of the Deepwater Horizon Natural Resource Damage Assessment Trustees". The navigation menu includes "Home", "About Us", "How We Restore", "Restoration Areas", "Data", and "Media & News". A search bar is located on the right. The main content area features a large image of a wetland with the text "Save the Date: 2018 Trustee Council Annual Public Meeting Thursday, July 19" and a "Learn More" button. Below this, a section titled "Restoration Areas" lists six categories with corresponding icons: Alabama, Florida, Louisiana, Mississippi, Texas, and Region-wide Open Ocean.

Suggest a **restoration project** for consideration

SHARE YOUR IDEA

Get the latest **news updates** from the *Deepwater Horizon* Trustees

Sign Up Now

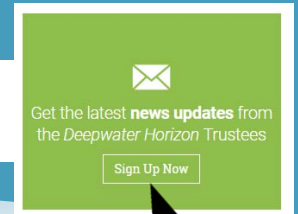
[www.gulfspillrestoration.noaa.gov](http://www.gulfspillrestoration.noaa.gov)

# *Trustee Implementation Groups (TIGs) Request Restoration Ideas*

- Requests posted on web and via email:
  - May include TIG's restoration type focus.
  - Will have a link to Gulf Spill website portal - where to submit your idea.

- Information needed for a project submission:
  - Geographic location.
  - Description.
  - Activities.
  - Habitats .
  - Estimated cost.
  - Partners.

**SIGN UP** to receive emails from the DWH Trustees on our website





# *You Have a Project Idea? Use the Project Portal!*

- Talk to Trustees/staff about your ideas, get their feedback.
- Submit or update previous submissions at any time or when TIG requests.
- To be considered – must be in the portal.
- States have portals, too!



# Enter Your Project Idea

**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

[www.gulfspillrestoration.noaa.gov/restoration/  
give-us-your-ideas/suggest-a-restoration-project](http://www.gulfspillrestoration.noaa.gov/restoration/give-us-your-ideas/suggest-a-restoration-project)

Suggest a **restoration project** for consideration

**SHARE YOUR IDEA**

# *Tips for Submitting Project Ideas*

- **DO** make sure your idea is consistent with resource types the TIG is focusing on.
- **DO** note your confirmation record so you can find your submission in the future.
- **DO NOT** feel that you have to have a full-blown proposal.
- **DO NOT** feel like you have to know how a project will be implemented or who will implement it.

# *Trustee Implementation Group*

## *Review of Ideas*

- Consistent with Trustees' programmatic restoration plan goals and types.
- Consistent with Oil Pollution Act Criteria.
  - Cost effective, nexus of project to injury being addressed, likelihood of success, prevents future injury as a result of the spill, avoids collateral injury, benefits more than one natural resource or service, effect on public safety.
- Meets other criteria TIGs may use.
  - Specific restoration types identified.
  - Complements other restoration efforts. Leverages other funding sources. Consistent with TIG's restoration type request.

# *From Idea to Project Proposal in a Draft Restoration Plan*

- TIG review process narrows down number of projects.
- Why project ideas might not be included in draft plan.
  - May cause collateral damage to natural resources or compromises human health/safety.
  - Similar past projects not successful.
  - Project benefits take too long to come to fruition.
  - Long-term maintenance too costly.
  - Included within another project.
  - Under consideration by another TIG.
  - Insufficient information provided.

Examples



# *Project Selection & 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.

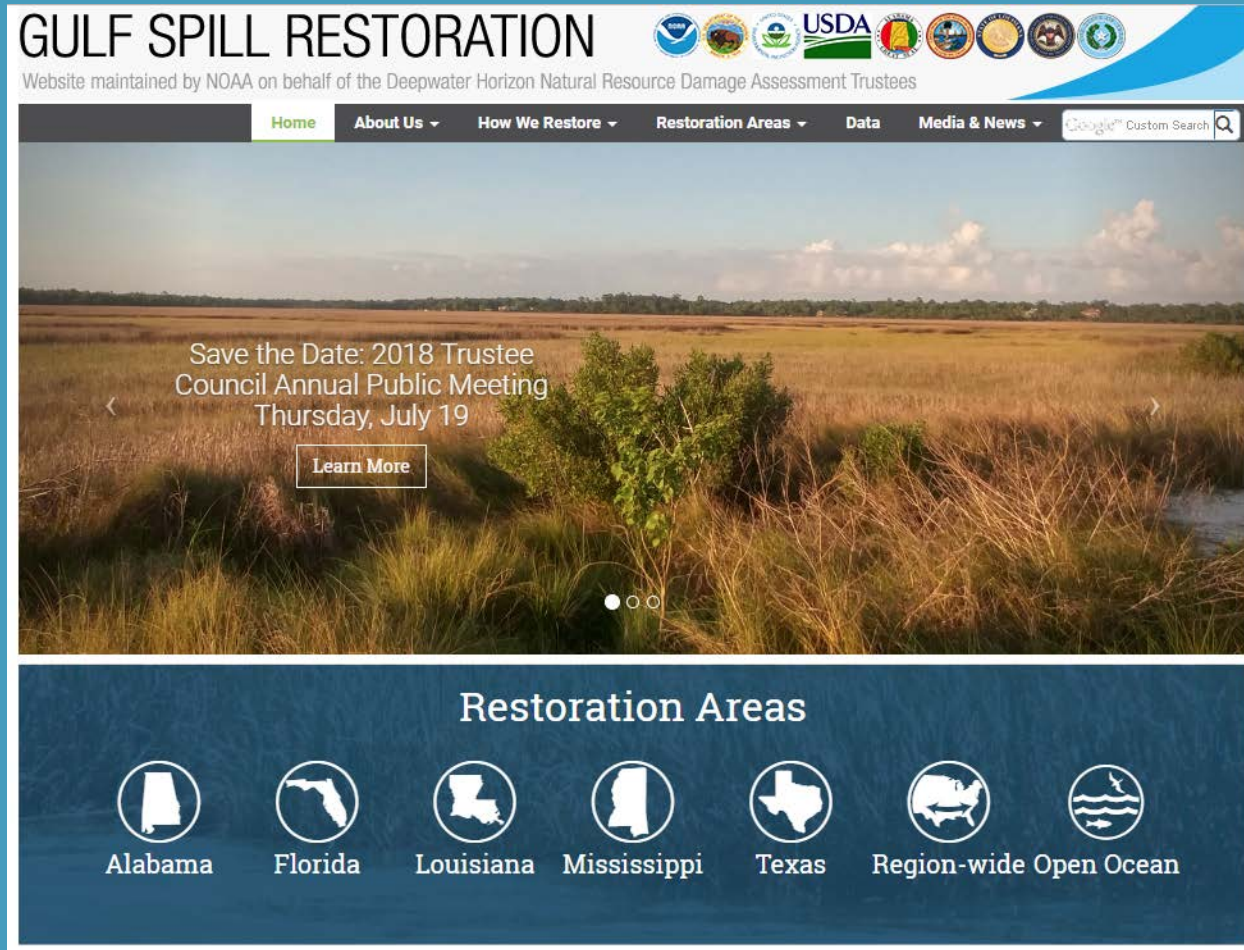


2<sup>ND</sup> POINT OF  
PUBLIC ENGAGEMENT

# *Draft Plan to Final Plan*

1. Draft plan containing projects is posted on the web.  
[www.gulfspillrestoration.noaa.gov](http://www.gulfspillrestoration.noaa.gov).
2. Email notification goes out and includes.
  - a. Public comment request (usually 30 days).
  - b. Link to public comment portal.
  - c. Information about a public meeting or webinar (if applicable).
3. 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 includes NOAA, EPA, USDA, and several state seals. A subtitle reads "Website maintained by NOAA on behalf of the Deepwater Horizon Natural Resource Damage Assessment Trustees". A navigation menu below the subtitle includes "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 photograph of a marshy landscape with tall grasses and a small tree. Overlaid on the image is the text "Save the Date: 2018 Trustee Council Annual Public Meeting Thursday, July 19" and a "Learn More" button. Below the image, a dark blue section titled "Restoration Areas" contains six circular 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

Save the Date: 2018 Trustee Council Annual Public Meeting Thursday, July 19

Learn More

**Restoration Areas**

- Alabama
- Florida
- Louisiana
- Mississippi
- Texas
- Region-wide Open Ocean

[www.gulfspillrestoration.noaa.gov](http://www.gulfspillrestoration.noaa.gov)



# Questions?





**Thank you!**

