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

<table>
<thead>
<tr>
<th>Florida</th>
<th>Alabama</th>
<th>Mississippi</th>
<th>Louisiana</th>
<th>Texas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kelly Samek</td>
<td>Gunter Guy</td>
<td>Gary Rikard</td>
<td>Johnny Bradberry</td>
<td>Robin Riechers</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DOI</th>
<th>EPA</th>
<th>NOAA</th>
<th>USDA</th>
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</thead>
<tbody>
<tr>
<td>Cindy Dohner</td>
<td>Gale Bonanno</td>
<td>Chris Doley</td>
<td>Ann Mills</td>
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</tbody>
</table>
Trustee Council Update
Timeline of Key Events

- Oil Spill: April 2010
- Framework Agreement w/ BP: April 2011
- Phases I – V Early Restoration plans approved: April 2012
- Settlement: Additional $7.8 B in Natural Resource Damages: Feb 2016

$1 B for Early Restoration
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
# Allocation of Restoration Funds

## Restoration Funding in Dollars

<table>
<thead>
<tr>
<th>Major Restoration Categories</th>
<th>Unknown Conditions</th>
<th>Region-wide</th>
<th>Open Ocean</th>
<th>Alabama</th>
<th>Florida</th>
<th>Louisiana</th>
<th>Mississippi</th>
<th>Texas</th>
<th>Total Restoration Funding*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. RESTORE AND CONSERVE HABITAT</td>
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</tr>
<tr>
<td>Wetlands, Coastal, and Inshore Habitats</td>
<td>50,000,000</td>
<td>5,000,000</td>
<td>4,609,062,700</td>
<td>50,500,000</td>
<td>100,000,000</td>
<td>4,234,362,700</td>
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<tr>
<td>Habitat Projects on Federally Managed Lands</td>
<td>3,000,000</td>
<td>17,500,000</td>
<td>50,000,000</td>
<td>5,600,000</td>
<td>75,500,000</td>
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<tr>
<td>Early Restoration Projects (through Phase IV)</td>
<td>28,110,000</td>
<td>16,679,362</td>
<td>256,025,702</td>
<td>60,000,000</td>
<td>383,395,067</td>
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<tr>
<td>2. RESTORE WATER QUALITY</td>
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<tr>
<td>Nutrient Reduction (Nonpoint Source)</td>
<td>5,000,000</td>
<td>35,000,000</td>
<td>20,000,000</td>
<td>27,500,000</td>
<td>22,500,000</td>
<td>110,000,000</td>
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<tr>
<td>Water Quality (e.g. Stormwater Treatments, Hydrologic Restoration, Reduction of Sedimentation, etc.)</td>
<td>300,000,000</td>
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<tr>
<td>3. REPLENISH AND PROTECT LIVING COASTAL AND MARINE RESOURCES</td>
<td>330,000,000</td>
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<tr>
<td>Fish and Water Column Invertebrates</td>
<td>330,000,000</td>
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<tr>
<td>Early Restoration Fish and Water Column</td>
<td>20,000,000</td>
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<tr>
<td>Sturgeon</td>
<td>15,000,000</td>
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</tr>
<tr>
<td>Sea Turtles</td>
<td>60,000,000</td>
<td>55,000,000</td>
<td>5,500,000</td>
<td>20,000,000</td>
<td>10,000,000</td>
<td>5,600,000</td>
<td>7,500,000</td>
<td>163,000,000</td>
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<tr>
<td>Early Restoration Sea Turtles</td>
<td>26,296,155</td>
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<tr>
<td>Submerged Aquatic Vegetation</td>
<td>22,000,000</td>
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<tr>
<td>Marine Mammals</td>
<td>19,000,000</td>
<td>55,000,000</td>
<td>5,000,000</td>
<td>5,000,000</td>
<td>50,000,000</td>
<td>10,000,000</td>
<td>144,000,000</td>
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<tr>
<td>Birds</td>
<td>70,400,000</td>
<td>70,000,000</td>
<td>30,000,000</td>
<td>40,000,000</td>
<td>148,500,000</td>
<td>25,000,000</td>
<td>20,000,000</td>
<td>403,500,000</td>
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<tr>
<td>Early Restoration Birds</td>
<td>1,823,100</td>
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<tr>
<td>Mesophotic and Deep Benthic Communities</td>
<td>273,300,000</td>
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<tr>
<td>Oysters</td>
<td>63,372,413</td>
<td>10,000,000</td>
<td>20,000,000</td>
<td>26,000,000</td>
<td>20,000,000</td>
<td>22,500,000</td>
<td>162,272,413</td>
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<tr>
<td>Early Restoration Oysters</td>
<td>3,320,000</td>
<td>5,370,006</td>
<td>14,074,300</td>
<td>13,000,000</td>
<td>37,173,006</td>
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<td>4. PROVIDE AND ENHANCE RECREATIONAL OPPORTUNITIES</td>
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<tr>
<td>Provide and Enhance Recreational Opportunities</td>
<td>25,000,000</td>
<td>63,274,513</td>
<td>38,000,000</td>
<td>5,600,000</td>
<td>131,274,513</td>
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<tr>
<td>5. MONITORING, ADAPTIVE MANAGEMENT, AND ADMINISTRATIVE OVERSIGHT</td>
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</tr>
<tr>
<td>Monitoring and Adaptive Management</td>
<td>65,000,000</td>
<td>200,000,000</td>
<td>10,000,000</td>
<td>10,000,000</td>
<td>225,000,000</td>
<td>7,500,000</td>
<td>2,500,000</td>
<td>520,000,000</td>
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<tr>
<td>Administrative Oversight and Comprehensive Planning</td>
<td>40,000,000</td>
<td>150,000,000</td>
<td>20,000,000</td>
<td>20,000,000</td>
<td>33,000,000</td>
<td>22,500,000</td>
<td>4,000,000</td>
<td>289,500,000</td>
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<tr>
<td>Adaptive Management RU Payment for Unknown Conditions</td>
<td>700,000,000</td>
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<tr>
<td><strong>TOTAL NRD FUNDING</strong></td>
<td><strong>$700,000,000</strong></td>
<td><strong>$349,051,678</strong></td>
<td><strong>$1,240,697,916</strong></td>
<td><strong>$295,589,305</strong></td>
<td><strong>$600,152,643</strong></td>
<td><strong>$5,000,000,000</strong></td>
<td><strong>$295,557,000</strong></td>
<td><strong>$230,151,458</strong></td>
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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

- $111 million: Restore and Conserve Habitat
- $96 million: Replenish and Protect Living Coastal and Marine Resources
- $54 million: Provide and Enhance Recreational Opportunities
- $30 million: Restore Water Quality
- $5 million: Monitoring, Adaptive Management, Administrative Oversight
### Alabama Restoration Area

#### Past - Present - Future

<table>
<thead>
<tr>
<th>Past</th>
<th>Present</th>
<th>Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>$117 Million Committed for Early Restoration Projects</td>
<td>$179 Million Available for Future Restoration Planning</td>
<td>Continue Restoration Planning</td>
</tr>
<tr>
<td>• Marsh Island Restoration</td>
<td>• Continued Implementation of Early Restoration Projects</td>
<td>• Wetlands, Coastal and Nearshore Habitats; Habitat Projects on Federally Managed Lands</td>
</tr>
<tr>
<td>• AL Dune Restoration</td>
<td>• Alabama TIG Restoration Plan I (Recreational Use)</td>
<td>• Nutrient Reduction</td>
</tr>
<tr>
<td>• Living Shorelines</td>
<td>• Alabama TIG Restoration Plan II (Ecological Restoration)</td>
<td>• Fish and Water Column Invertebrates, Sea Turtles, Marine Mammals, Birds, Oysters</td>
</tr>
<tr>
<td>• Shell Belt and Coden Belt Roads</td>
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<tr>
<td>• Point aux Pins</td>
<td></td>
<td></td>
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<tr>
<td>• Swift Tract</td>
<td></td>
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<tr>
<td>• AL Oyster Cultch Restoration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Restoring the Night Sky (Sea Turtles)</td>
<td></td>
<td></td>
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<tr>
<td>• AL Osprey Restoration</td>
<td></td>
<td></td>
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<tr>
<td>• Gulf State Park Enhancement Project</td>
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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
<table>
<thead>
<tr>
<th>Past</th>
<th>Present</th>
<th>Future</th>
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</thead>
<tbody>
<tr>
<td>Early Restoration</td>
<td>Initial restoration types proposed via FL TIG webinar held 8/25/16</td>
<td>Next step – public proposes project ideas for initial restoration types</td>
</tr>
<tr>
<td>Phase I</td>
<td>$5,653,153</td>
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<tr>
<td>Phase II</td>
<td>$2,835,000</td>
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<tr>
<td>Phase III</td>
<td>$90,337,704</td>
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<tr>
<td>Phase IV</td>
<td>$136,700</td>
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<tr>
<td>Phase V</td>
<td>$45,415,573</td>
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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

- Restore and Conserve Habitat: $258 million
- Restore Water Quality: $60 million
- Replenish and Protect Living Coastal and Marine Resources: $343 million
- Provide and Enhance Recreational Opportunities
- Monitoring, Adaptive Management, Administrative Oversight: $20 million
- Total: $4.3 billion
### LA Restoration Area

#### Past - Present - Future

<table>
<thead>
<tr>
<th>Past</th>
<th>Present</th>
<th>Future</th>
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</thead>
<tbody>
<tr>
<td>Early Restoration Phase I</td>
<td>Early Restoration Phase III</td>
<td>• Focus on long-term sustainable restoration of Louisiana</td>
</tr>
<tr>
<td>• LA Oyster Cultch Project</td>
<td>• LA Outer Coast Restoration Project</td>
<td>• Restoring Wetlands, Coastal and Nearshore Habitats</td>
</tr>
<tr>
<td>• Lake Hermitage Marsh Creation Project</td>
<td>• LA Marine Fisheries Enhancem’t, Research, &amp; Science Center</td>
<td>• Consistent with LA Coastal Master Plan</td>
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<tr>
<td>Post-settlement</td>
<td>Drafting first restoration plan with focus on coastal habitat/marshes, bird injuries and federally-managed lands</td>
<td></td>
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</table>
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
# MS Restoration Area

## Past - Present - Future

<table>
<thead>
<tr>
<th>Past Phase 1 Early Restoration</th>
<th>Present Phases III &amp; IV Early Restoration</th>
<th>Future 2016-17 TIG restoration focus</th>
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</thead>
<tbody>
<tr>
<td>Mississippi Oyster Cultch Restoration</td>
<td>• INFINITY</td>
<td>• Wetlands, Coastal and Nearshore Habitats</td>
</tr>
<tr>
<td>Mississippi Artificial Reef Habitat</td>
<td>• Pascagoula Beachfront Promenade</td>
<td>• Nutrient Reduction (Nonpoint Source)</td>
</tr>
<tr>
<td></td>
<td>• Hancock County Living Shoreline</td>
<td>• Birds</td>
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<tr>
<td></td>
<td>• Popp’s Ferry Causeway Park</td>
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<tr>
<td></td>
<td>• Restoring Living Shorelines and Reefs in Mississippi Estuaries</td>
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</tr>
</tbody>
</table>
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
- **Michele Laur**, U.S. Department of Agriculture
- **Doug Jacobson**, U.S. Environmental Protection Agency
Allocation

- Restore and Conserve Habitat: $91 million
- Restore Water Quality: $23 million
- Replenish and Protect Living Coastal and Marine Resources: $19 million
- Provide and Enhance Recreational Opportunities: $7 million
- Monitoring, Adaptive Management, Administrative Oversight: $100 million
## TX Restoration Area
### Past - Present - Future

<table>
<thead>
<tr>
<th>Past</th>
<th>Present</th>
<th>Future</th>
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<tbody>
<tr>
<td>Early Restoration - $59M</td>
<td></td>
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<tr>
<td>- Texas Rookery Islands</td>
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<tr>
<td>- Freeport Artificial Reef Projects</td>
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<tr>
<td>- Galveston Island State Park Beach Redevelopment</td>
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<tr>
<td>- Matagorda Artificial Reef Project</td>
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<tr>
<td>- Mid/Upper Texas Coast Artificial Reef Ship Reef Project</td>
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<td>- Sea Rim State Park Improvements</td>
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<tr>
<td>- Solicitation for additional restoration projects</td>
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<tr>
<td>- Draft restoration plan/environmental assessment</td>
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<td>- March 2017 - anticipated release of draft for public comment</td>
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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

- $350 million
- $22 million
- $868 million

- Replenish and Protect Living Coastal and Marine Resources
- Provide and Enhance Recreational Opportunities
- Monitoring, Adaptive Management, Administrative Oversight
### Open Ocean Restoration Area

#### Past - Present - Future

<table>
<thead>
<tr>
<th>Past</th>
<th>Present</th>
<th>Future</th>
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</thead>
</table>
| 5 Early Restoration Projects: $42 million  
- Fish and Water Column Invertebrates  
- Provide and Enhance Recreational Opportunities | Asking for public feedback on projects for specific restoration types – late fall 2016 |  
- 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

- $245 million: Replenish and Protect Living Coastal and Marine Resources
- $105 million: Monitoring, Adaptive Management, Administrative Oversight
<table>
<thead>
<tr>
<th>Region-Wide Restoration Area</th>
<th>Past - Present - Future</th>
</tr>
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<tbody>
<tr>
<td><strong>Past</strong></td>
<td><strong>Present</strong></td>
</tr>
<tr>
<td>• Sea Turtle Restoration</td>
<td>In Coordination with Trustee Council</td>
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<tr>
<td>• Enhanced Management of Avian Breeding Habitat Injured by Response Activities</td>
<td>• Lead Administrative Trustee assistance to Council and all TIGs</td>
</tr>
<tr>
<td>• Improving habitat Injured by Spill Response – Restoring the Night Sky</td>
<td>• Cross-TIG Monitoring &amp; Adaptive Management Workgroup</td>
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<tr>
<td></td>
<td>• Strategic Frameworks for Marine Mammals, Birds, Oysters Restoration Types</td>
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</tbody>
</table>

**Notes:**
- TIGs: Trustee Implementation Groups
Comments?
Thank you