



Gulf of Mexico Region

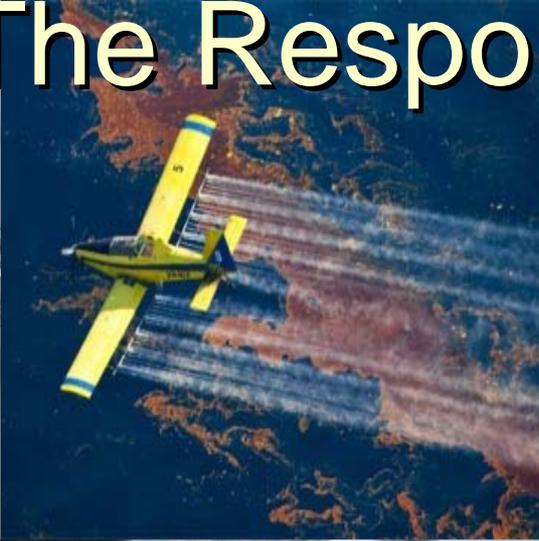
Oil in the Environment

Jim Kendall

"Folks, we're not designing a science project here.....we're in a RESPONSE SITUATION!"



The Response



BIOLOGICAL STUDIES PROPOSED FOR FUNDING IN FY 2013 AND BEYOND

Discipline	Title
HE	An Experimental Test of Avian Response to Light Color and Intensity on Offshore Oil Platforms in the Gulf of Mexico
HE	Effects of Seismic Surveys on Fish Health and Behavior: <i>In Situ</i> Monitoring
HE	Monitoring Recovery of the Ecological Function of Estuarine Habitat for Nekton Health
HE	Movements, Site Fidelity, and Monitoring of PAHs and Other Oil Contaminants in Wintering Lesser Scaup in the Northern Gulf of Mexico
HE, IM & PO	Workshop on Future Directions in Understanding Physical-Biological Oceanographic Interactions in Mid- to Deep Waters of the Gulf of Mexico
HE	Eastern Brown Pelicans: Dispersal, Seasonal Movements, and Monitoring of PAHs and Other Oil Contaminants among Breeding Colonies in the Northern Gulf of Mexico
HE	Monitoring of Breeding Least Terns and Wintering Piping Plovers in the Northern Gulf of Mexico

SOCIAL SCIENCE STUDIES PROPOSED FOR FUNDING IN FY 2013 AND BEYOND

Discipline	Title
SS	Impacts to Shipwrecks From Dredging Activities Associated with the Louisiana Sand Berm
SS	Post-Oil Spill Assessment of OCS-Related Infrastructure and Communities in the Gulf of Mexico Region
SS	Assessing Vulnerability of Sectors and Regions to OCS Oil and Gas Industry Volatility
SS	A Statistical Analysis of the Causes of the Tourism Impact of the <i>Deepwater Horizon</i>
SS	Socioeconomic Analysis of the <i>Deepwater Horizon</i> Oil Spill on GOMR Families and Communities
SS	Detailed Gulf of Mexico Vessel Trip Data to Support Environmental, Socioeconomic, and Archaeological Impact Analyses of OCS Activity

PHYSICAL OCEANOGRAPHY STUDIES PROPOSED FOR FUNDING IN FY 2013 AND BEYOND

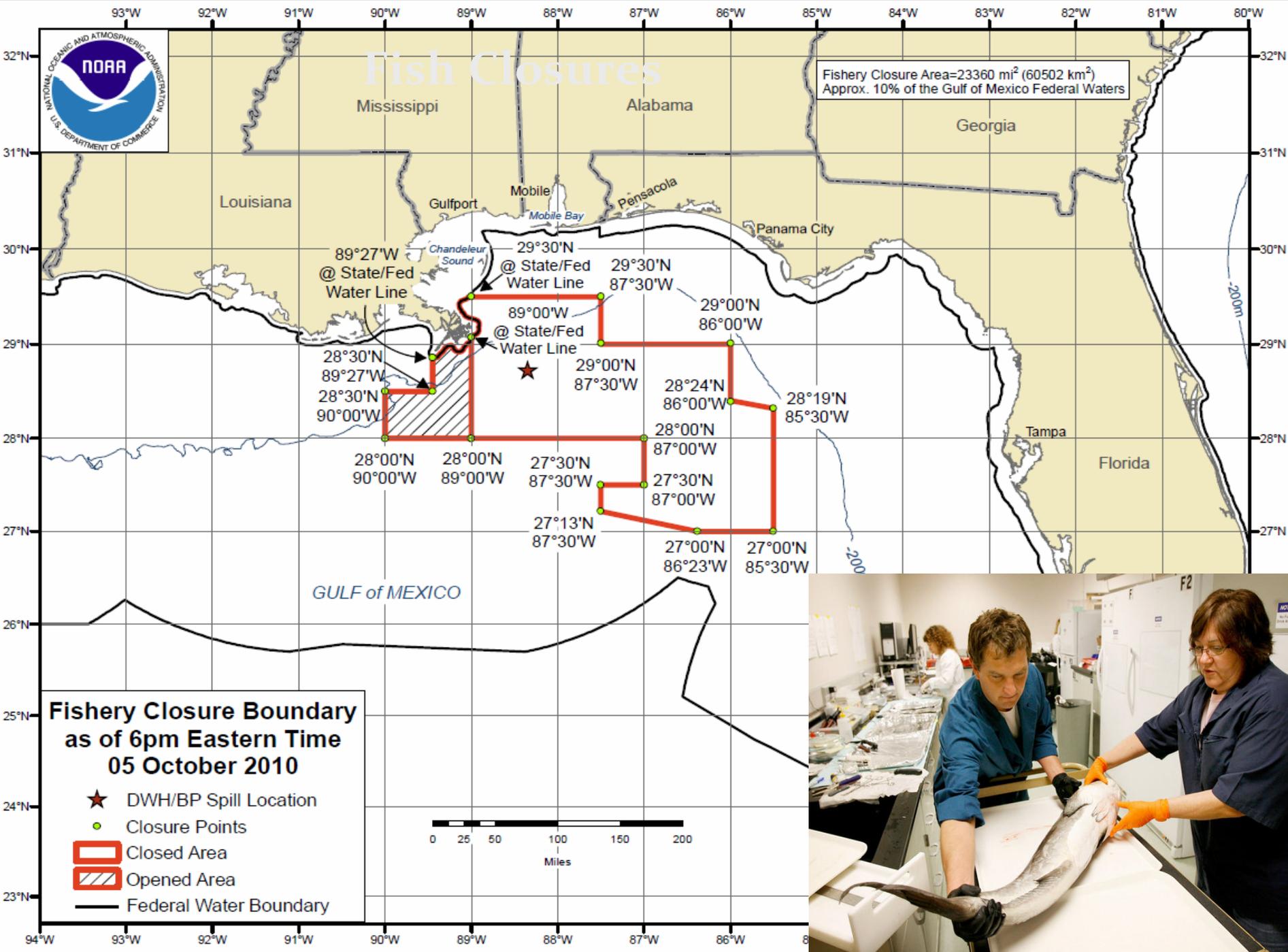
Discipline	Title
PO	Remote Sensing Assessment of Surface Oil Transport and Fate During Spills in the Gulf of Mexico
PO	Workshop on Future Directions in Physical-Biological Oceanographic Interactions in Mid- to Deep Waters of the Gulf of Mexico
PO	Physical-Biological Modeling
PO	Optimal Array Design
PO	Deep Larvae Dispersal
PO	Hydrographic Survey
PO	Material Boundaries: Loop Current
PO	Gulf of Mexico Zonal Oscillator Hypothesis
PO	US-MX Collaboration

Natural Resources at Risk

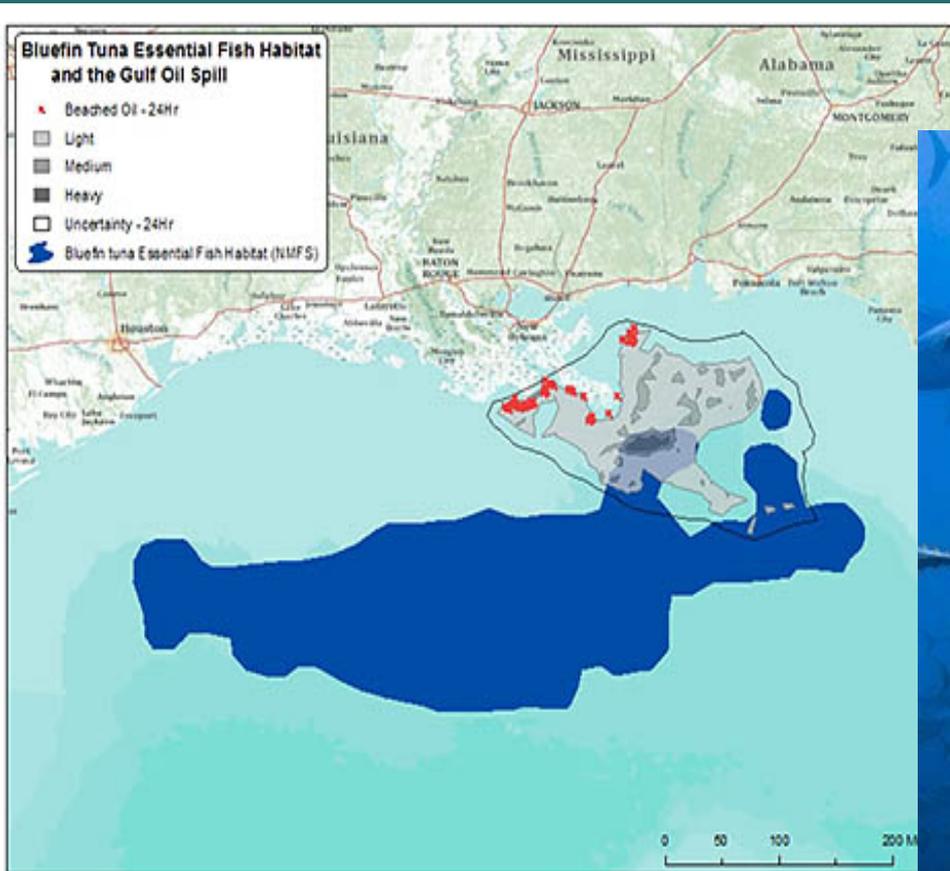


Fish Kills

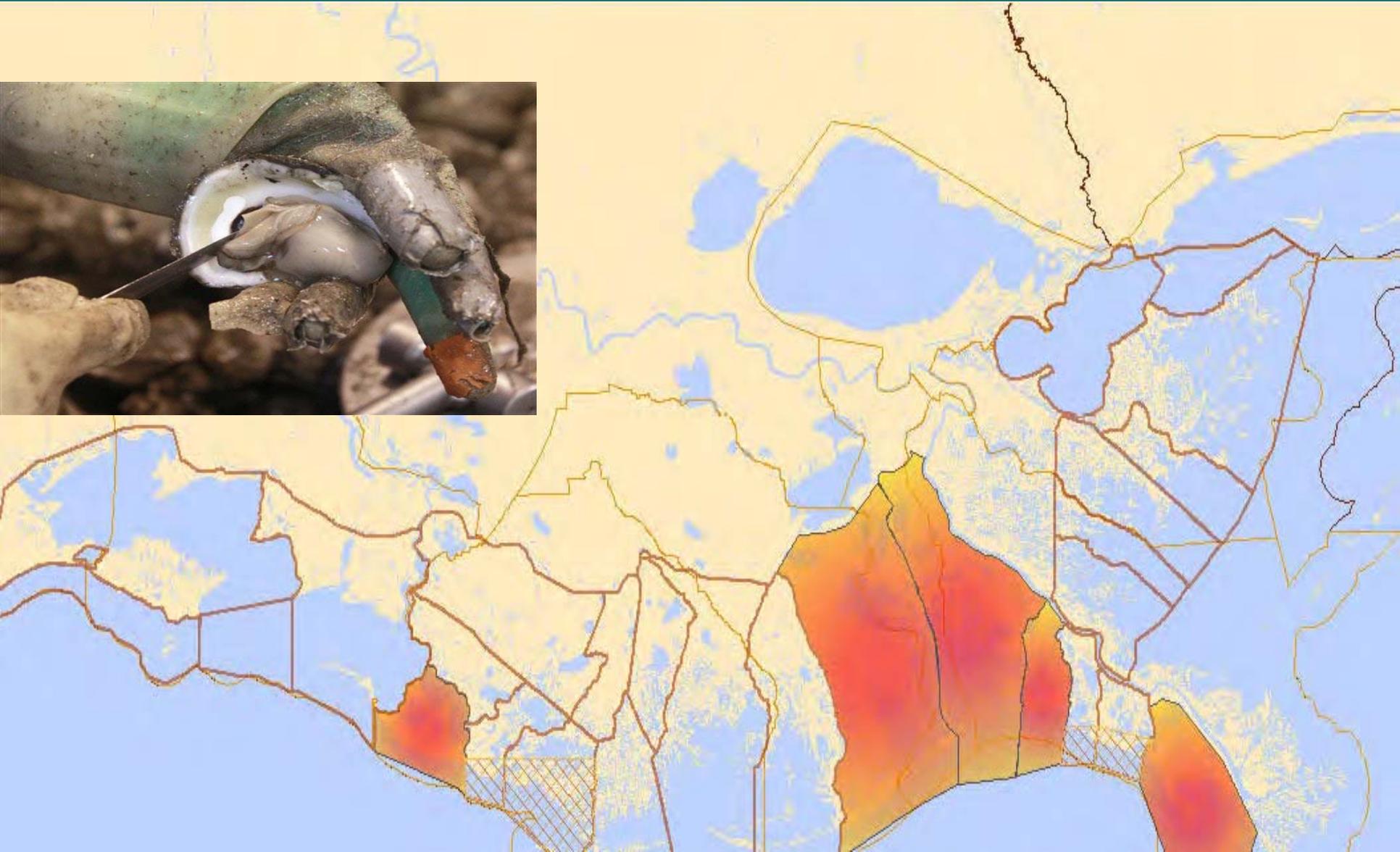




Tuna Threatened by Oil Spill



Areas closed to Oyster Harvesting

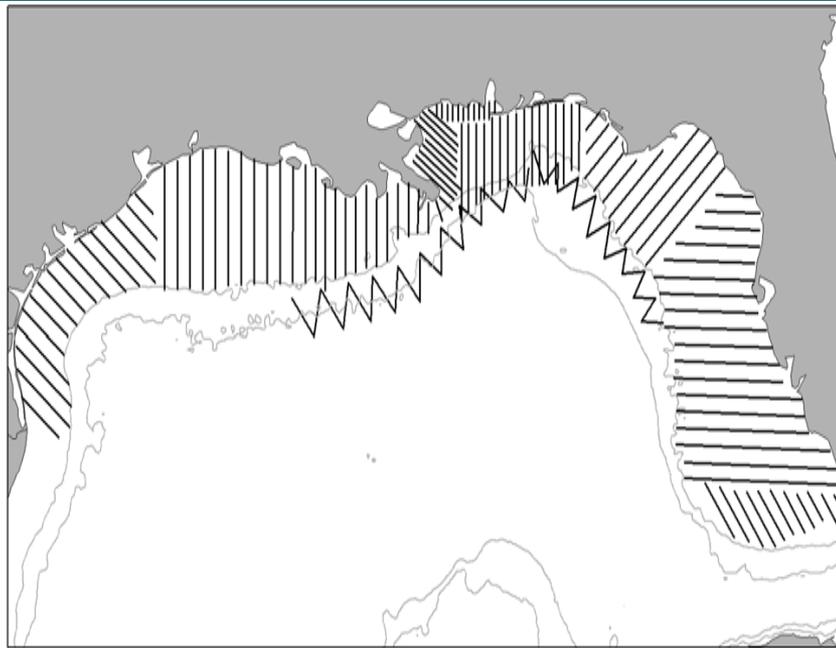


NRDA's Technical Working Groups (TWGs)

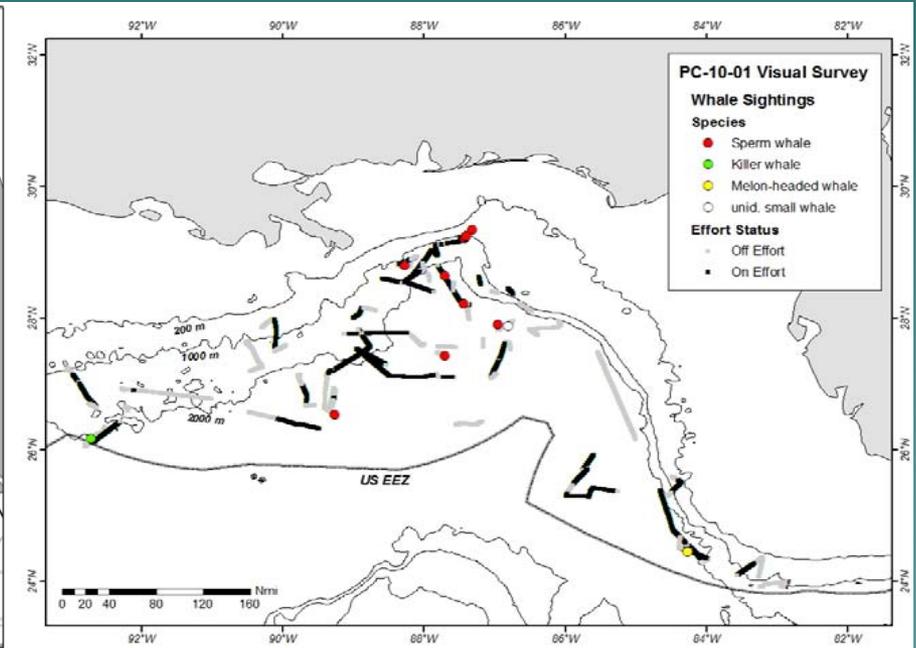
- ◆ Chemistry
- ◆ Water Column
- ◆ Shallow Subtidal Sampling
- ◆ Submerged Aquatic Vegetation
- ◆ Shoreline
- ◆ Birds
- ◆ Shallow-Water Coral
- ◆ Deepwater Coral
- ◆ Near-Shore Fish
- ◆ Off-Shore Fish
- ◆ Oyster
- ◆ Terrestrial and Aquatic Wildlife
- ◆ Mammals and Turtles
- ◆ Human Use
- ◆ Cultural Resources

BOEMRE Studies Complements NRDA Marine Mammal Efforts

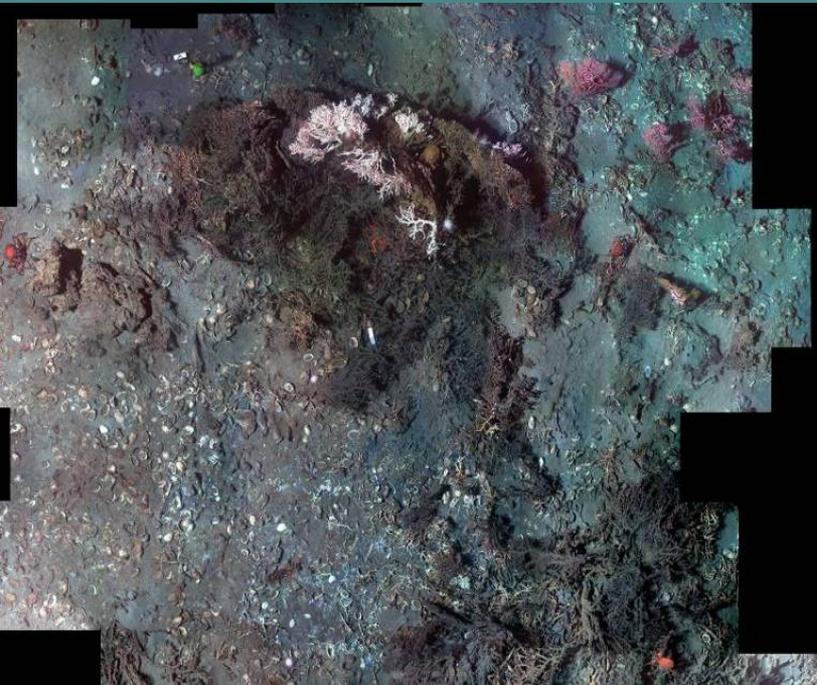
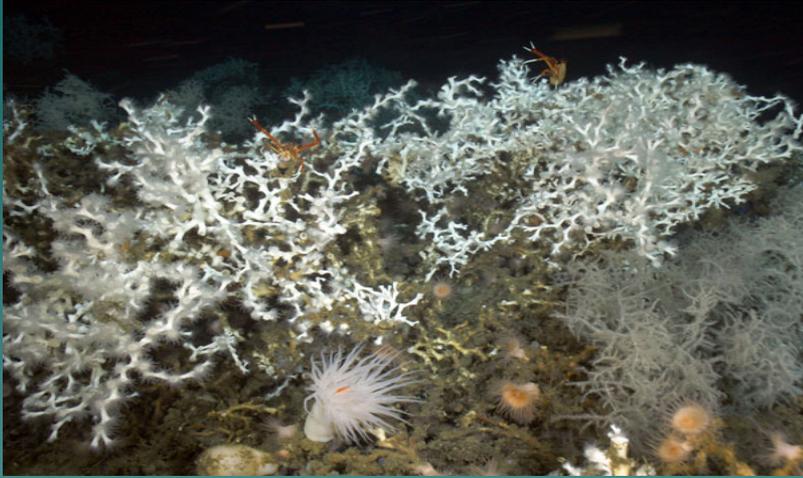
Seasonal NRDA Aerial Surveys



Marine Mammal Survey



Deepwater Coral and Chemo Studies





Texas
Louisiana
Mississippi
Alabama
Florida

- ◆ The Gulf of Mexico Research Initiative (GRI) Research Board recently announced the release of a Request for Proposals (RFP) to select research activities involving Research Consortia.
- ◆ The GRI is an independent scientific research program and is separate from the Natural Resources Damages Assessment process.
- ◆ The objectives of the GRI are to investigate the impacts of the oil, dispersed oil, and dispersant on the ecosystems of the Gulf of Mexico and affected coastal States.
- ◆ The ultimate goal of the GRI is to improve society's ability to understand, respond to, and mitigate the impacts of petroleum pollution and related stressors of the marine and coastal ecosystems, with an emphasis on conditions found in the Gulf of Mexico. Knowledge accrued will be applied to restoration and to improvement of the long-term environmental health of the Gulf of Mexico.



- ◆ BP and the Gulf of Mexico Alliance Announce Implementation of BP's \$500 Million Independent Research Initiative
- ◆ University Gets \$ 8.2 Million from BP, Others for Oil Spill Research LSU
- ◆ BP Money Funds \$ 5 million Alabama Oil Spill Research Marine Environmental Science Consortium-Dauphin Island Sea Lab
- ◆ For GRI Years 2-4 (June 2011 – May 2014), letters of intent are due May 9, 2011 and full proposals are due July 11, 2011.
- ◆ Research entities interested in submitting a proposal under this RFP announcement should visit www.gulfresearchinitiative.org, where a full copy of the RFP as well as instructions for submittal are located.



IN MEMORY OF ALL THAT IS LOST
COURTESY OF BP AND
OUR FEDERAL GOVERNMENT

OUR SOUL

WILSON PELLIAN

THE BEACH

FEISHENG

KEOPE SAN REDRO

KEEFESH

THIRUN VISOO