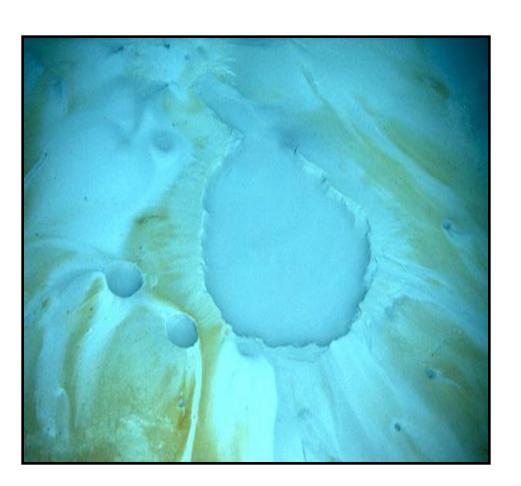


Environmental Studies Overview Gulf of Mexico Region



Pasquale Roscigno, PhD

Studies Chief Office of Environmental Studies Environmental Studies Program





Essential Environmental Functions

Environmental protection

- Lease stipulations terms and conditions
- National Environmental Policy Act (NEPA)
- Reviews of operator's plans for impacts
- Mitigations terms and conditions of plan approval

Environmental research

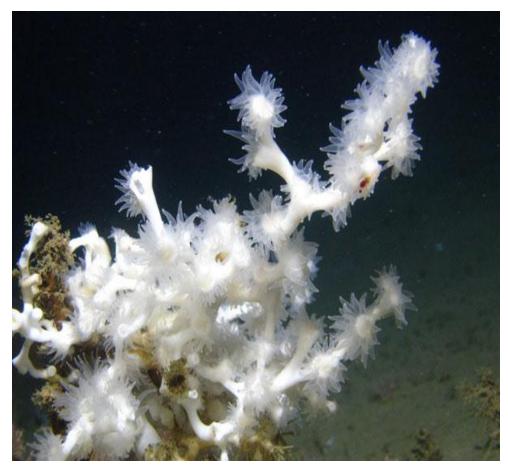
- Environmental Studies Program
- In-house Monitoring & Research Studies





Environmental ResearchThe Environmental Studies Program

Provides information needed to predict, assess, and manage impacts from offshore exploration, development, and production activities on human, marine, and coastal environments







Biological Studies Proposed For Funding In FY 2013

- (BSEE) Pressure Wave and Acoustic Properties Generated by the Explosive Removal of Offshore Structures: Potential Effects on Protected Species
- Pelagic Sargassum Algae
 Distribution and Movement in the Gulf of Mexico
- Deepwater Coral Atlas and Modeling Program: Gulf of Mexico
- Florida Manatee Movement and Habitat Use in the Northern Gulf of Mexico





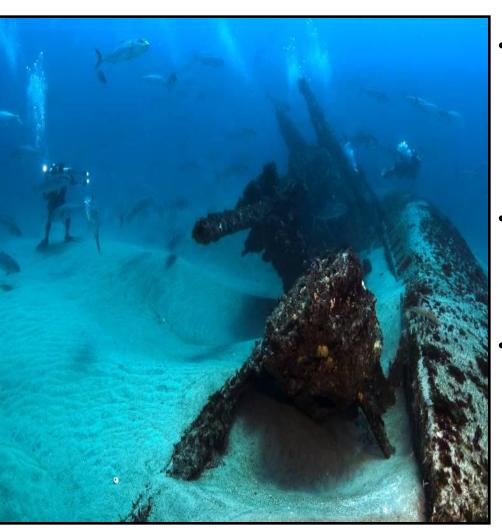
Social Science Studies Proposed For Funding In FY 2013



- Environmental Justice and OCS Petroleum: A geo-spatial analysis
- An Analysis of the Impacts of the Deepwater Horizon on the Seafood Industry
- An Analysis of the Fiscal Impacts of the OCS Industry in the Gulf of Mexico
- The Demographic Consequences of the Gulf of Mexico Offshore Petroleum Industry



Archeological Studies Proposed for Funding in FY 2013



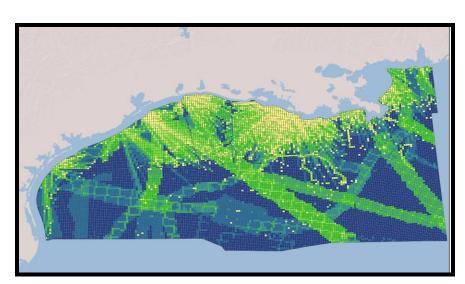
- A Comparative Analysis of an Oil Spill on Biota Inhabiting Several Gulf of Mexico Shipwrecks Spanning the 19th to 20th Centuries
- Testing and Assessment of the Effects of an Oil Spill on Coastal Archaeological Sites
- (BSEE) Analyzing Impacts to Cultural Resources as a Result of Oil and Gas Activities in Deepwater (<500-10,000)

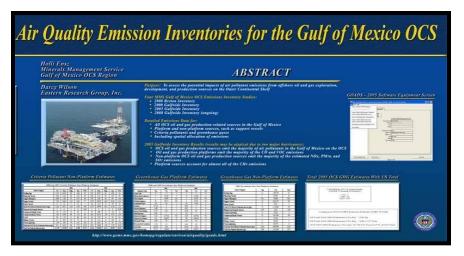




Physical Science Studies Proposed for Funding in FY 2013

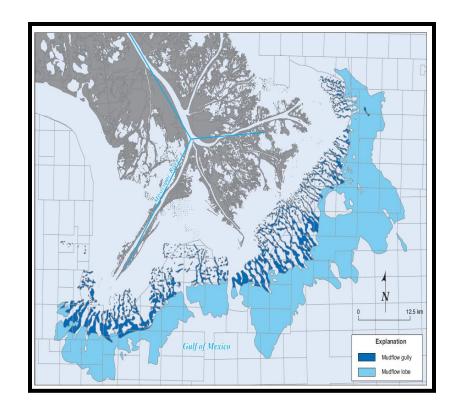
- NAAQS Exemption Level Study
- Year 2014 Gulfwide Emissions Inventory Study
- Coral Reef Ocean Acidification Sentinel Site in the Flower Garden Banks National Marine Sanctuary
- Enhancing the Capability of a New Meteorological Model for Air Quality and Other BOEM Applications in the Gulf of Mexico
- Managing Dredging Environmental Impacts by Optimizing the Use of Sand Resources





Interdisciplinary Studies Proposed for Funding in FY 2013

- Workshop on Future
 Directions in Understanding
 Physical-Biological
 Oceanographic Interactions
 in Mid- to Deep Waters of the
 Gulf of Mexico
- (BSEE) Mississippi Delta Baseline Mudflow Hazard Maps

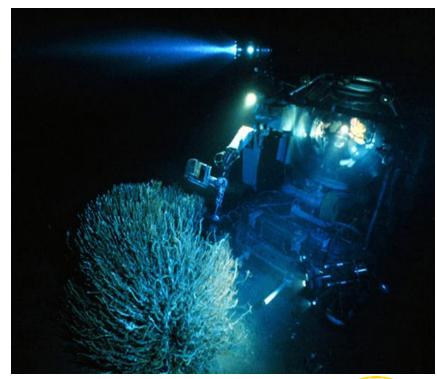




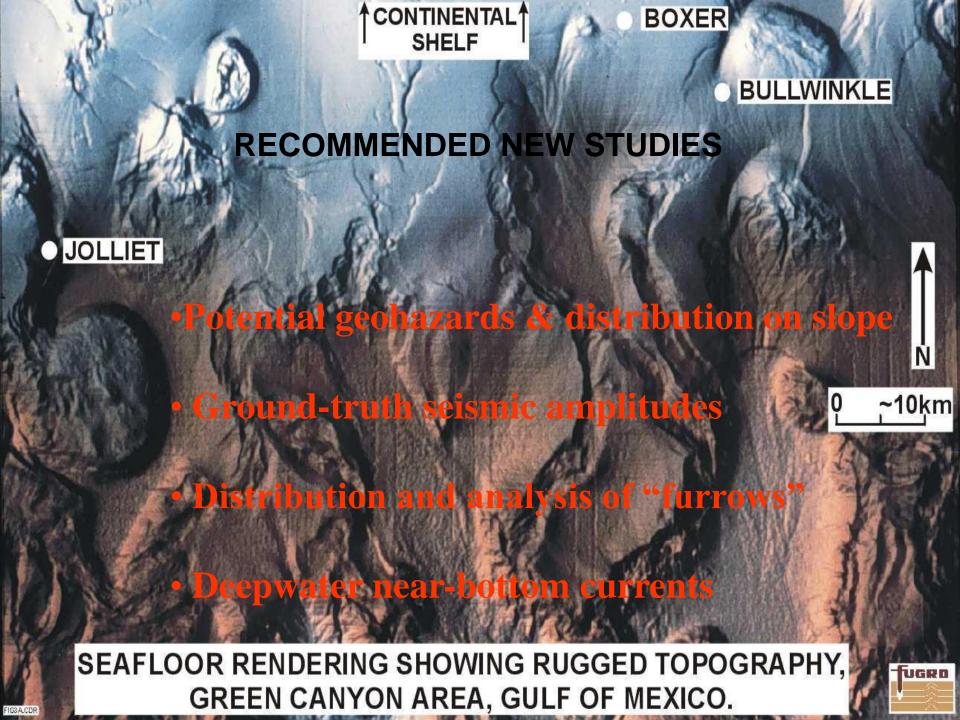


BSEE & BOEM Scientific Interactions

- Joint Efforts on Environmental Studies (BOEM) & Research Projects (BSEE)
- Interagency Protected Species Team
- Joint integration of BSEE and BOEM's Sea Floor Monitoring Teams

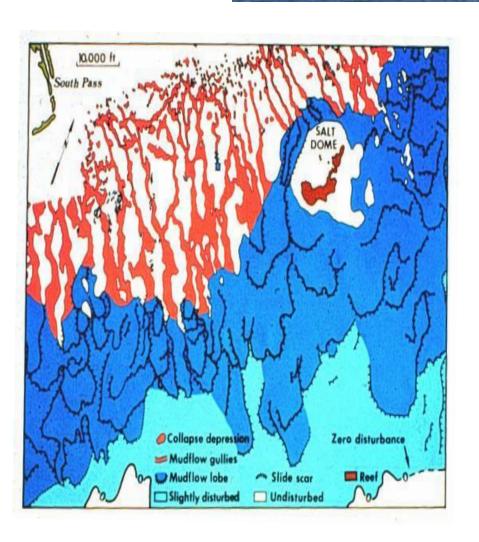








Joint Mudslide Study

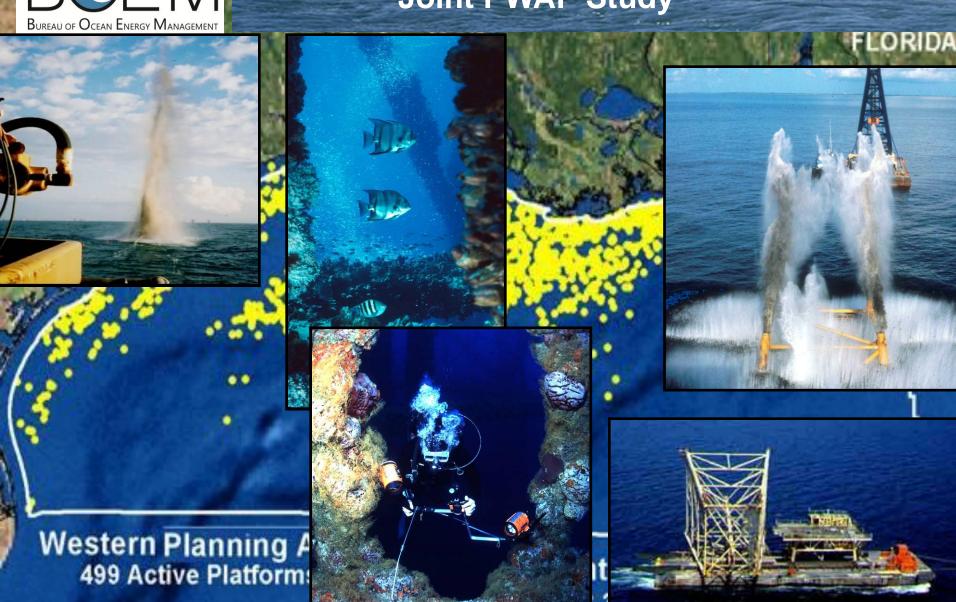


- Office of Structural and Technical Support (BSEE)
- Resource Economic Analysis Unit (BOEM)
- Office of Environmental Studies & Regional Assessment Unit (BOEM)
- Recommendation: \$ 12 million Study is needed
- Potential Funding Vehicle: Joint Industry Project





Joint PWAP Study





What Are Roles in Oil Spill Research & Response?





- Technical Advisory
 Committee for Joint
 Industry Task Force for
 Oil Spill Planning &
 Response
- National Response Team Subsea Dispersant Use Subcommittee
- National Response Team Surface Dispersant Use Subcommittee



Deep Spill II in Norway?







Future Opportunities

































Ocean Partnerships