

# BOEMRE INFORMATION TRANSFER MEETING

March 22-24, 2011  
New Orleans, Louisiana

## AGENDA AT A GLANCE

### **Tuesday Morning, March 22**

8:00-12:00 [PLENARY SESSION](#)  
Moving Forward: Emerging From the Deepwater  
Horizon Event

### **Tuesday Afternoon, March 22**

1:00-4:45	<a href="#">Physical Oceanography</a>	Room TBD
1:00-4:00	<a href="#">Coastal Impacts</a>	Room TBD
1:00-4:20	<a href="#">Sociology</a>	Room TBD

### **Wednesday Morning, March 23**

8:00-11:40	<a href="#">Archaeology I/Historic Resources</a>	Room TBD
8:00-12:00	<a href="#">Deep Sea Coral: BOEMRE</a>	Room TBD
8:00-10:55	<a href="#">Spill Response Technology</a>	Room TBD

### **Wednesday Afternoon, March 23**

1:00-4:50	<a href="#">Archaeology II/Pre-Historic Landforms</a>	Room TBD
1:30-5:00	<a href="#">Deep Sea Coral: USGS</a>	Room TBD
1:00-4:30	<a href="#">Protected Species Research</a>	Room TBD

### **Thursday Morning, March 24**

8:00-11:00	<a href="#">Natural Gas Hydrates</a>	Room TBD
8:00-11:15	<a href="#">Offshore Ecology I</a>	Room TBD
8:00-11:20	<a href="#">Avian Research Design &amp; Monitoring</a>	Room TBD

### **Thursday Afternoon, March 24**

1:30-4:20	<a href="#">Shallow Sediment Transport</a>	Room TBD
1:00-4:30	<a href="#">Offshore Ecology II</a>	Room TBD
1:00-4:00	<a href="#">Physical Sciences</a>	Room TBD

**MOVING FORWARD: EMERGING FROM THE  
DEEPWATER HORIZON EVENT**

Chair: James Kendall, BOEMRE  
Co-Chair: Alan Thornhill, BOEMRE

Tuesday Morning, March 22  
Room: TBD

- |               |  |
|---------------|--|
| 8:00 – 8:10   | Welcome and Introduction<br><br>Lars Herbst, BOEMRE  |
| 8:10 – 8:40   | KEYNOTE ADDRESS<br><br>Michael Bromwich, BOEMRE  |
| 8:40 – 9:10   | Deepwater Horizon: Unified Area Command's Role<br><br>Rear Admiral Mary Landry, U.S. Coast Guard   |
| 9:10 – 9:40   | Deepwater Horizon: BOEMRE's Role<br><br>Lars Herbst, BOEMRE  |
| 9:40 – 10:10  | Deepwater Horizon: Environmental Response Coordination<br>Produces a Unified Multiagency Effort<br><br>Steve Murawski, University of South Florida |
| 10:10 – 10:30 | Break  |
| 10:30 – 11:00 | Scenario Building for the Deepwater Horizon Oil Spill<br><br>Gary Machlis, Science Advisor to the Director,<br>U.S. National Park Service          |
| 11:00 – 11:30 | Deepwater Horizon: Regulatory Issues<br><br>Mike Saucier, BOEMRE   |
| 11:30 – 12:00 | Deepwater Horizon: Cooperative Research Opportunities<br><br>Alan Thornhill, BOEMRE  |

Session 1A  
**PHYSICAL OCEANOGRAPHY**

Chair: Rebecca Green, BOEMRE  
Co-Chair: Alexis Lugo-Fernandez , BOEMRE

Tuesday Afternoon, March 22  
Room: TBD

- 1:00 – 1:10            Welcome and Introduction  
                          Rebecca Green  
                          BOEMRE
- 1:10 – 1:35            The Loop Current Study: Overview and Preliminary Results  
                          Peter Hamilton  
                          Science Applications International Corporation
- 1:35 – 2:00            New Insights Into the Dynamics of the Loop Current and Its Coupling With the  
Deep Flows  
                          Leo Oey  
                          Princeton University
- 2:00 – 2:25            The Loop Current Study: The Relationship Between Loop Current  
Separation Period and Retreat Latitude Revisited  
                          Robert Leben  
                          University of Colorado
- 2:25 – 2:50            The Loop Study in Mexican Waters: The Loop Current Along the Yucatan  
                          Julio Sheinbaum  
                          Centro de Investigación Científica y de Educación Superior de Ensenada  
(CICESE)
- 2:50– 3:05            Break
- 3:05 – 3:30            The Lagrangian Study: Overview and Experimental Design  
                          Peter Hamilton  
                          Science Applications International Corporation
- 3:30 – 3:55            The Flower Garden Banks Topography/Turbulence: Overview and  
Experimental Design  
                          William Teague and Hemantha Wijesekera  
                          Naval Research Laboratory, Stennis Space Center
- 3:55 – 4:20            Airborne Mapping of the Loop Current  
                          Nick Shay  
                          University of Miami
- 4:20 – 4:45            Long-Term Projection of Spill Trajectories Based on Ensemble  
Lagrangian Analysis  
                          Leo Oey  
                          Princeton University

Session 1B  
**CATASTROPHIC EVENTS AND ASSESSMENT OF COASTAL IMPACTS**  
**OF THE NORTHERN GULF OF MEXICO**

Study Approach, Baseline Determination, and Study Compatibility

Co-Chair: Mr. Larry Hartzog, BOEMRE

Co-Chair: Dr. Arie Kaller, BOEMRE

Tuesday Afternoon, March 22

Room: TBD

1:00 – 1:10

Welcome and Introduction

Mr. Larry Hartzog  
BOEMRE

**Understanding Salinity as a Source of Coastal Change**

1:10 – 1:30

Understanding Canal Salinity Gradients, Salt Transport and Forcing Factors (Boat Traffic, Hurricanes, Storms, etc.) in Relation to Marsh Salinity

Gregg Snedden  
U.S. Geological Survey

**Importance of Coast**

1:30 – 1:50

Ecological Role and How OCS Activities Affect the Gulf Coast

Larry Hartzog, BOEMRE  
Arie Kaller, BOEMRE

**Problem Identification (could vary with natural or anthropogenic events)**

1:50 – 2:10

Potential Wetland Impact

David White  
Loyola University

2:10 – 2:30

Freshwater Diversions and Public Oyster Seed Grounds

Patrick Banks  
Louisiana Department of Wildlife and Fisheries

2:30 – 2:50

Potential Fishery Impact

Martin O'Connell  
University of New Orleans

2:50 – 3:05

Break

**Use of Integrated and Consolidated Study Approaches**

3:05 – 3:25

Uses of Gulf-wide Consortia: Unified Approach to Data Management

Bill Hawkins  
Gulf Coast Research Laboratory

3:25 – 4:00

Open Discussion

**WHERE IS THE PLACE IN SPACE? UNDERSTANDING THE ROLE OF  
GEOGRAPHY ON SOCIAL SCIENCE RESEARCH MODELING  
THE OUTER CONTINENTAL SHELF**

Co-Chair: Sindy Chaky, BOEMRE

Co-Chair: Harry Luton, BOEMRE

Tuesday Afternoon, March 22

Room: TBD

1:00 – 1:10

Welcome and Introduction

Sindy Chaky

BOEMRE

**Focus Area 1: From States to Regions**

1:10 – 1:35

Understanding the Economic Diversity of On Shore Area Regions

Allan Pulsipher

Louisiana State University

1:35 – 2:00

Labor Markets versus Trade: Identifying a Roadmap to Defining New  
Regions to Measure OCS Effects

J. Matthew Fannin

Louisiana State University Agricultural Center

2:00 – 2:25

Migration Response to Employment Growth: Does Employment Change  
in the Oil and Gas Industry Impact Population Change in the Gulf Coast  
Region?

Troy Blanchard

Louisiana State University

2:25 – 2:50

Understanding Fiscal Condition and Impacts of Local Governments under  
Increased Natural Disaster Risk and a Changing OCS Environment

Arun Adhikari

Louisiana State University Agricultural Center

2:50 – 3:05

Break

**Focus Area 2: From Regions to Places**

3:05 – 3:30

Gulf Coast Shipbuilding and Fabrication: Historical Overview and  
Context

Ty Priest

University of Houston

3:30 – 3:55

An Analysis of the Impact of Shipbuilding and Fabrication on Coastal  
Communities: Common Sense and Data Limitations

John Lajaune, Nicholls State University

Joshua Stockley, University of Louisiana at Monroe

3:55 – 4:20

Understanding the Fabrication and Shipbuilding Industries along the Gulf  
of Mexico: An Ethnographic Perspective

Diane Austin and Preetam Prakash

University of Arizona

Session 2A  
**MARINE ARCHAEOLOGY – ASSESSING POTENTIAL IMPACTS TO  
HISTORIC RESOURCES ON THE OCS**

Chair: Jack Irion, BOEMRE  
Co-Chair: Chris Horrell, BOEMRE

Wednesday Morning, March 23  
Room: TBD

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|---------------|--|
| 8:00 – 8:10   | Welcome and Introduction<br>Jack Irion<br>BOEMRE   |
| 8:10 – 8:35   | Spanish Shipwrecks in Ultra-deep Water<br>Mike Krivor<br>Southeast Archaeological Research         |
| 8:35 – 9:00   | Research in New Orleans Notarial Archives<br>John Rawls<br>Earth Search, Inc.                      |
| 9:00 – 9:25   | Hurricane Impacts on Shipwrecks<br>Bob Gearhart<br>PBS&J   |
| 9:25 – 9:50   | Analysis of Submerged Sites on the GOMR OCS<br>Matt Keith and Amanda Evans,<br>Tesla Offshore, LLC |
| 9:50 – 10:10  | Break  |
| 10:10 – 10:35 | Deepwrecks II<br>Dan Warren<br>C&C Technologies  |
| 10:35 – 11:00 | Shipwreck Inventory on the Atlantic<br>Jeff Holland<br>TRC   |
| 11:00 – 11:25 | Battle of the Atlantic<br>Dave Alberg and Joe Hoyt<br>NOAA Monitor NMS                             |
| 11:25 – 11:40 | Discussion   |

Session 2B  
**DEEP-SEA CORALS**  
**LOPHELIA II: REEFS, RIGS AND WRECKS**

Co-Chair: William Shedd, BOEMRE

Co-Chair: James Sinclair, BOEMRE

Wednesday Morning, March 23

Room: TBD

- 8:00 – 8:05            Welcome and Introduction  
                              Bill Shedd and James Sinclair, BOEMRE
- 8:05 – 8:15            Lophelia II: Overview and Management  
                              Jim Brooks  
                              TDI Brooks International Inc.
- 8:15 – 8:30            Lophelia II: Geological Setting and Site Selection  
                              Harry Roberts  
                              Louisiana State University
- 8:30 – 8:45            Lophelia II: Physical Oceanography and Larval Dispersal Potential  
                              Susan Welsh  
                              Louisiana State University
- 8:45 – 9:00            Lophelia II: Particulate Flux to Cold-Water Coral Sites  
                              Chris German  
                              Woods Hole Oceanographic Institution
- 9:00 – 9:20            Lophelia II: Distribution of Cold-Water Coral Communities in the Gulf of  
Mexico  
                              Erik Cordes  
                              Temple University
- 9:20 – 9:35            Lophelia II: Coral Distribution and Ocean Chemistry  
                              Jay Lunden  
                              Temple University
- 9:35 – 9:50            Lophelia II: Within-Site Scale Coral Distribution  
                              Ian MacDonald  
                              Florida State University
- 9:50 – 10:05          Lophelia II: Habitat Associations of Corals and Megafauna  
                              Pen-Yuan Hsing  
                              Pennsylvania State University
- 10:05 – 10:15          Break

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Session 2B  
**DEEP-SEA CORALS**  
**LOPHELIA II: REEFS, RIGS AND WRECKS**  
(Continued)

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|---------------|---|
| 10:15 – 10:30 | Lophelia II: Antipatharian Communities of the Gulf of Mexico<br>Dannise Ruiz<br>Pennsylvania State University           |
| 10:30 – 10:45 | Lophelia II: Octocoral Communities of the Gulf of Mexico<br>Andrea Quattrini<br>Temple University                       |
| 10:45 – 11:00 | Lophelia II: Coral Associates of the Gulf of Mexico<br>Tim Shank<br>Woods Hole Oceanographic Institution                |
| 11:00 – 11:25 | Lophelia II: Archaeology<br>Dan Warren<br>C&C Technologies  |
| 11:25 – 11:40 | Lophelia II: Education and Outreach<br>Liz Goehring<br>Pennsylvania State University                                    |
| 11:40 – 12:00 | Oil Spill Impact on Deep-water Coral Communities and Future Directions<br>Chuck Fisher<br>Pennsylvania State University |

Session 2C  
**SPILL RESPONSE TECHNOLOGY**

Co-Chair: Darice Breeding, BOEMRE  
Co-Chair: Barret Fortier, BOEMRE

Wednesday Morning, March 23  
Room: TBD

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|--------------|--|
| 8:00 – 8:15  | Welcome and Introduction<br>Darice Breeding and Barret Fortier<br>BOEMRE   |
| 8:15 – 8:50  | Recent Changes in Dispersant Use Policy<br>James Staves<br>EPA Region 6  |
| 8:50 – 9:25  | Alternative Response Technology Program<br>Jim O'Brien<br>O'Brien's Response Group   |
| 9:25 – 9:45  | Break  |
| 9:45 – 10:20 | Offshore and Inshore Spill Response Technology Used During the<br>Deepwater Horizon Spill Response<br>LCDR Octavia Ashburn<br>U.S. Coast Guard |
| 10:20– 10:55 | BOEMRE Oil Spill Response Research<br>Joe Mullin<br>BOEMRE   |

Session 2D  
**MARINE ARCHAEOLOGY – MODELING OF SURVIVING  
PREHISTORIC LANDFORMS ON THE OCS**

Chair: Brian Jordan, BOEMRE  
Co-Chair: David Ball, BOEMRE

Wednesday Afternoon, March 23  
Room: TBD

- 1:00 – 1:10 Welcome and Introduction  
Brian Jordan  
BOEMRE
- 1:10 – 1:35 Predictive Modeling and the Identification of Submerged Paleolandforms on the OCS in Southern New England  
David Robinson  
Fathom Research, LLC
- 1:35 – 2:00 Paleolandforms and Prehistoric Site Potential on the Mid-Atlantic OCS  
Daria Merwin  
Stony Brook University
- 2:00 – 2:25 Modeling of Surviving Prehistoric Landforms on the Florida Atlantic OCS  
Michael A. Arbuthnot  
Southeastern Archaeological Research Inc. (SEARCH)
- 2:25 – 2:50 The Inundated Landscape from Florida’s West Coast to the LGM Shoreline: Recent Investigation of Buried Features and Potential Early Human Site Locations  
James Adovasio and C. Andy Hemmings  
Mercyhurst College
- 2:50 – 3:10 Break
- 3:10 – 3:35 Reconstructed Landscapes: Preliminary Results from the Northwestern Gulf of Mexico  
Amanda Evans  
Louisiana State University
- 3:35 – 4:00 Modeling Prehistoric Landscapes Along the Pacific Coastline: Two Case Studies from Oregon and Baja California Sur  
Loren Davis  
Oregon State University
- 4:00 – 4:50 Open Discussion

Session 2E  
**DEEP-SEA CORALS**  
**LOPHELIA II: USGS**

Chair: William Shedd, BOEMRE  
Co-Chair: James Sinclair, BOEMRE

Wednesday Afternoon, March 23  
Room: TBD

- 1:30 – 1:40 Welcome and Introduction  
Bill Shedd and James Sinclair, BOEMRE
- 1:40 – 2:00 Lophelia II: Overview and Progress  
Steve W. Ross  
UNC Wilmington
- 2:00 – 2:20 Lophelia II: Deep Reef Communities and Habitats of the West  
Florida Slope  
Steve Ross  
UNC Wilmington
- 2:20 – 2:40 Lophelia II: Lophelia Reproductive Biology  
Sandra Brooke  
Oregon Institute of Marine Biology
- 2:40 – 3:00 Lophelia II: Lophelia Benthic Community Ecology  
Amanda Demopoulos  
U.S. Geological Survey
- 3:00 – 3:20 Break
- 3:20 – 3:40 Lophelia II: Coral Genetics  
Cheryl Morrison  
U.S. Geological Survey
- 3:40 – 4:00 Lophelia II: Cold-water Coral Microbiology  
Christina Kellogg  
U.S. Geological Survey
- 4:00 – 4:20 Lophelia II: Crustacean Associates of Cold Water Coral Communities  
Martha Nizinski  
NOAA National Marine Fisheries Service
- 4:20 – 4:40 Lophelia II: Growth Rate and Age Distribution of Deep-sea Black Corals  
in the Gulf of Mexico  
Nancy G. Prouty  
U.S. Geological Survey
- 4:40 – 5:00 Mid-Atlantic Deepwater Canyons: New Study Introduction  
Sandra Brooke, Oregon Institute of Marine Biology  
Steve Ross, UNC Wilmington



Session 3A  
**NATURAL GAS HYDRATES**

Co-Chair: Bill Shedd, BOEMRE  
Co-Chair: Roger Amato, BOEMRE

Thursday Morning: March 24  
Room: TBD

- 8:00 – 8:10 Welcome and Introduction  
Bill Shedd  
BOEMRE
- 8:10 – 8:40 Geophysical Data Analysis of the MC-118 Hydrates Observatory Site  
James Knapp, University of Mississippi  
Leonardo Macelloni, University of South Carolina
- 8:40 – 9:10 Recent Progress and Results of Work on the Permanent Gas Hydrates Observatory at MC-118  
Greg Easson, University of Mississippi  
Carol Lutken, University of Mississippi
- 9:10 – 9:40 Bottom Water Chemistry and Methane Fluxes at MC-118 Monitored by the Chimney Sensor Array  
Chris Martens, University of North Carolina  
Jeff Chanton, Florida State University
- 9:40 – 10:00 Break
- 10:00 – 10:30 Recent Results of the JIP Cruise to Selected Gas Hydrates Sites in the Gulf of Mexico  
Matt Frye, BOEMRE  
Bill Shedd, BOEMRE
- 10:30 – 11:00 Geophysical Indicators of Natural Seepage of Oil and Gas Seepage – Types, Distribution, and Number of Seafloor Amplitude Anomalies in the Gulf of Mexico  
Bill Shedd  
BOEMRE

Session 3B  
**OFFSHORE ECOLOGY I**

Chair: James Sinclair, BOEMRE  
Co-Chair: Maureen Mulino, BOEMRE

Thursday Morning, March 24  
Room: TBD

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|---------------|---|
| 8:00 – 8:10   | Welcome and Introduction<br>James Sinclair<br>BOEMRE  |
| 8:10 – 8:30   | Biomass and Mass-Balance Isotope Content of Seep Populations<br>Philip Riekenberg<br>Louisiana State University   |
| 8:30 – 8:50   | Digital Conversion and Selected Analysis of Dive Video from Fifteen Dive Seasons<br>Robert Carney<br>Louisiana State University                                     |
| 8:50 – 9:05   | Effects of Pile Driving Noise on Fish Tissues<br>Arthur Popper<br>University of Maryland  |
| 9:05 – 9:30   | Assessment of Barotrauma in Salmon from Impulsive Sound<br>Michele Halvorsen<br>Pacific Northwest National Laboratory and University of Maryland                    |
| 9:30 – 9:50   | Break   |
| 9:50 – 10:10  | Developing an Experimental No Fishing Zone in the Flower Garden Banks National Marine Sanctuary<br>Randy Clark<br>NOAA/Center for Coastal Monitoring and Assessment |
| 10:10 – 10:30 | Studies of Bluefin Tuna ( <i>Thunnus thynnus</i> ) Larvae from the Gulf of Mexico<br>James Franks<br>University of Southern Mississippi                             |
| 10:30 – 10:50 | Whale Sharks in the Gulf of Mexico<br>Eric Hoffmayer<br>University of Southern Mississippi  |
| 10:50 – 11:15 | EcoSpatial Information Database – U.S. Atlantic Region<br>Lonnie Hearne, AMEC<br>Keld Madsen, AMEC<br>Beth Zimmer, PBS&J  |

Session 3C

**AVIAN RESEARCH AND MONITORING STRATEGIES TO ASSESS POTENTIAL  
IMPACTS RELATED TO OFFSHORE OIL AND GAS DEVELOPMENT**

Chair: Jeff Gleason, BOEMRE  
Co-Chair: Dave Moran, BOEMRE

Thursday Morning, March 24  
Room: TBD

- 8:00 – 8:10            Welcome and Introduction  
                              Jeff Gleason  
                              BOEMRE
- 8:10 – 8:35            It Ain't Over Till It's Over: Independent Information Flow and  
                              Protection of the Ocean Environment  
                              William Montevecchi  
                              Memorial University of Newfoundland
- 8:35 – 9:00            Development of a Seabird Survey and Observation Spatial Database  
                              for the U.S. Atlantic  
                              Andrew Gilbert  
                              USGS Patuxent Wildlife Research Center
- 9:00 – 9:25            Effects of the Deepwater Horizon Oil Spill on Migratory Shorebirds  
                              Jessica Henkel  
                              Tulane University
- 9:25 – 9:50            Assessing the Impact of Oil Pollution on Marine Wildlife: A European  
                              Perspective to Study the Effects of Chronic Pollution and Major Spills on  
                              Seabird Populations (1950-2010)  
                              Kees (C.J.) Camphuysen  
                              Royal Netherlands Institute for Sea Research (NIOZ)
- 9:50 – 10:05           Break
- 10:05 – 10:30           Hierarchical Modeling of Seabird Distributions in the U.S. Atlantic  
                              Beth Gardner  
                              North Carolina State University
- 10:30 – 10:55           Low-level Helicopter Techniques for Migratory Bird Survey  
                              And Rescue at Gulf of Mexico Oil Spill Responses  
                              Buddy Goatcher  
                              U.S. Fish and Wildlife Service
- 10:55 – 11:20           Gulf Coast Joint Venture Oil Spill Habitat Response Strategies  
                              Bill Vermillion  
                              Gulf Coast Joint Venture

Session 3D  
**SHALLOW SEDIMENT TRANSPORT**

Chair: Roger Amato, BOEMRE  
Co-Chair: Bill Shedd , BOEMRE

Thursday Afternoon: March 24  
Room: TBD

- 1:30 – 1:35 Welcome and Introduction  
Roger Amato, BOEMRE
- 1:35 – 2:05 Geological and Geophysical Data Analyses of Tiger and Trinity Shoals  
Clint Edrington  
Louisiana State University
- 2:05 – 2:35 Wave, Current, and Sediment Transport Modeling at Tiger and Trinity Shoals  
Felix Jose  
Louisiana State University
- 2:35 – 3:05 Geophysical Data Analyses of Buried Channels Offshore Sabine and Colorado Rivers, Texas  
Timothy Delapenna  
Texas A&M University
- 3:05– 3:20 Break
- 3:20 – 3:50 Shallow Sediment Transport Modeling off the Northwest Coast of Florida  
Kim Zarillo and Gary Zarillo  
SEA, Inc.
- 3:50 – 4:20 Bank Erosion of Navigation Canals in the Western and Central Gulf of Mexico  
Steve Hartley  
USGS - BRD - NWRC

Session 3E  
**OFFSHORE ECOLOGY II**

Chair: James Sinclair, BOEMRE  
Co-Chair: Maureen Mulino, BOEMRE

Thursday Afternoon, March 24  
Room: TBD

- 1:00 – 1:05            Welcome and Introduction  
                         James Sinclair  
                         BOEMRE
- 1:05 – 1:20            Distribution, Abundance, Recruitment, and Genetic Affinities of Corals on  
                         Platforms in the Gulf of Mexico  
                         Paul W. Sammarco  
                         LUMCON, Louisiana State University
- 1:20 – 1:40            Invasion and Spread of a New Indo-Pacific Coral Species – *Tubastraea*  
                         *micranthus* – in the Gulf of Mexico Via Oil/Gas Platforms: First Results  
                         Paul W. Sammarco  
                         LUMCON, Louisiana State University
- 1:40 – 2:00            Increase in Fish Biomass Following the Deep Water Horizon Spill  
                         John Valentine  
                         Dauphine Island Sea Lab
- 2:00 – 2:20            Overview of Rapid Response Dauphin Island Sea Lab Projects  
                         John Valentine  
                         Dauphine Island Sea Lab
- 2:20 – 2:40            Break
- 2:40 – 3:00            Can Injuries to the Water Column by the *Deepwater Horizon* Spill be Resolved  
                         from Zooplankton Community Analysis  
                         Monty Graham  
                         Dauphine Island Sea Lab
- 3:00 – 3:20            Gulf SERPENT  
                         Mark Benfield  
                         Louisiana State University
- 3:20 – 3:40            BP Spill Paper  
                         Mark Benfield  
                         Louisiana State University
- 3:40 – 4:00            Long-Term Monitoring at the Flower Garden Banks  
                         GP. Schmahl, Flower Garden Banks National Marine Sanctuary  
                         Emma Hickerson, Flower Garden Banks Nat'l Marine Sanctuary
- 4:00 – 4:30            Revision of the Management Plan for the Flower Garden Banks National  
                         Marine Sanctuary  
                         G.P. Schmahl  
                         Flower Garden Banks National Marine Sanctuary

Session 3F  
**PHYSICAL SCIENCES**

Chair: Holli Ensz, BOEMRE  
Co-Chair: Margaret Metcalf, BOEMRE

Thursday Afternoon, March 24  
Room: TBD

- 1:00 – 1:10 Welcome and Introduction  
Holli Ensz  
BOEMRE
- 1:10 – 1:40 Air/Sea Interaction Measurement: Summary and Initial Data Characterization  
Clinton P. MacDonald  
Sonoma Technology, Inc. (STI)
- 1:40 – 2:10 Gulfwide Emission Inventory Study (GOADS 2008)  
Darcy Wilson  
Eastern Research Group, Inc. (ERG)
- 2:10 – 2:40 Federal Land Managers Air Quality Related Values Workgroup Guidance (FLAG)  
Jill Webster  
U.S. Fish and Wildlife Service (FWS)
- 2:40– 3:00 Break
- 3:00 – 3:30 Long-Term Trends in Environmental Parameters Along the Louisiana/Mississippi Shelf Using Ocean Color Remote Sensing Data  
Eurico D'Sa  
Louisiana State University (LSU)
- 3:30 – 4:00 Improving Emission Estimates and Understanding of Pollutant Dispersal for Impact Analysis of Beach Nourishment and Coastal Restoration Projects  
Till Stoeckenius  
Environ International Corp.