

All meetings are open to the public.



## Outer Continental Shelf Scientific Committee Meeting Plenary Session Agenda

**Tuesday, May 14, 2013**  
**Blaine Kern Room**

**PLEASE SILENCE YOUR CELL PHONES**

9:00 AM	Welcome and Introductions	<b>Dr. Lorrie Rea</b> , OSC SC Chair
9:10 AM	Welcome to the Gulf of Mexico Region	<b>Mr. John Rodi</b> , Regional Director, Gulf of Mexico OCS Region
9:20 AM	Chief Environmental Officer's Message	<b>Mr. Bob LaBelle</b> , Acting Designated Federal Officer of the Committee and Acting Chief Environmental Officer
9:40 AM	Environmental Studies Program Updates	<b>Dr. Rodney Cluck</b> , Executive Secretary of the Committee & Chief, Division of Environmental Sciences

**Break 10:00 AM — 10:15 AM**

### Regional Updates

10:15 AM	Pacific OCS Region	<b>Dr. Ann Scarborough Bull</b> , Chief, Environmental Studies Section
10:35 AM	Alaska OCS Region	<b>Dr. Dee Williams</b> , Chief, Environmental Studies Management Section
10:55 AM	Office of Renewable Energy	<b>Dr. Mary Boatman</b> , Chief, Environmental Studies, Office of Renewable Energy Programs
11:15 AM	Gulf of Mexico OCS Region	<b>Dr. Pat Roscigno</b> , Chief, Office of Environmental Studies
11:35 AM	BOEM's Role in Implementing the National Ocean Plan	<b>Mr. Bob LaBelle</b> , Acting Designated Federal Officer of the Committee and Acting Chief Environmental Officer

**Lunch 12:00 Noon — 1:30 PM**

**Co-Coordinator: Mr. Greg Boland and Ms. Jennifer Ewald**

<b>Region</b>	<b>Interdisciplinary Studies</b>	<b>Page #</b>	<b>Presenter</b>
National	Topical and Functional Expansion of EcoSpatial Information Database	27	Mike Rasser
	Evaluating the effectiveness of BOEM-imposed adaptive management of biological mitigation and monitoring requirements	paper	Brad Blythe
	Environmental Effects and Cost Comparison of Single Beam, Swath, and Multi-beam Bathymetric Surveys Before and After Dredging Operations	41	Mike Miner
	Monitoring Dredging Intensity Using Variable Grid Analysis of Dredge Quality Management Data (staying in agenda)	43	
	Variability in Ecosystem Service, Resiliency, and Post-Dredging Recovery of Ridge-Swale Habitat and Biological Communities in the Mid- and South-Atlantic Bight	37	
	Developing BOEM's Access to Protected Species Occurrence Data for Impact Analyses and Rule-making	33	James Price
	Support for the Development of an Improved Biostatistical Method to Analyze and Interpret Observations from Marine Mammal Behavioral Response Studies	45	

**Break 3:00 PM — 3:30 PM**

<b>Region</b>	<b>Interdisciplinary Studies</b>	<b>Page #</b>	<b>Presenter</b>
Pacific OCS Region	Potential Impacts of Submarine Power Cables on Crab Harvest	25	Ann Bull
	Archaeological and Biological Assessment of Submerged Landforms off the Pacific Coast	29	Donna Schroeder
	Understanding and Mitigating the Effects of Marine Renewable Energy Technologies on the Coastal and Marine Environment in the Pacific OCS Region	35	
Alaska OCS Region	Ecological Processes in Lower Cook Inlet and Kachemak Bay: A Partnership in Monitoring	51	Kate Wedemeyer
	Integrated Seabed Surveys in the Arctic Ocean: Bathymetry, Archaeological Resources, and Ice Gouge Magnitude and Recurrence Rates	57	Dee Williams
Atlantic OCS Region	Real-time Opportunity for Development Environmental Observations (RODEO)	21	Mary Boatman
	Evaluation of Beneficial Impacts from Offshore Renewable Energy Development	23	Brandi Carrier
Gulf of Mexico OCS Region	Texas Coastal Land Loss from 1992 to 2010 (FY2015)	91	Bruce Baird
	<b>Discussion</b>		

**Recess for the Day 6:00 PM**

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**Outer Continental Shelf Scientific Committee  
Biological and Ecological Sciences  
Discipline Breakout Group Session Agenda**

**Wednesday, May 15, 2013, 8:30 AM - 6:00 PM**

**Co-coordinators: Drs. Mike Rasser and James Price**

**River Bend 2 Conference Room**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Alaska OCS Region	Data Interface Tools to Support Environmental Analyses: Interpretation of Existing Marine Mammal Data	45	Kate Wedemeyer
	Genomics of Arctic Cod: A Sentinel Species in a Changing Environment	47	
	Benthic Invertebrate Habitats in Cook Inlet	53	
	Polar Bear Habitat Use, Ecology, and Population Status in the Chukchi Sea	55	
	Baleen Whale Distribution, Abundance, and Ecology in Cook Inlet and Shelikof Strait	61	
	<b>Discussion</b>		

**Break 10:00 AM — 10:15 AM**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Pacific OCS Region	Data Synthesis and High-resolution Predictive Modeling of Marine Bird Spatial Distributions on the Pacific OCS	27	David Pereksta
	Predicting and Detecting the Effects of Climate Change and Ocean Acidification Using Long-term Ecological Data	33	Donna Schroeder
	Collecting and Archiving Invertebrates from MARINE Sites for Deposition in the Smithsonian Institute with Local Replicate	37	Mary Elaine Helix
	Year-round and Diel Patterns in Habitat-use of Seabirds off Oregon	39	David Pereksta
	Strategic Resampling of Biodiversity Surveys at MARINE Sites: Completion of the Decadal Assessment	41	Mary Elaine Helix
	<b>Discussion</b>		

**Lunch 12:00 AM — 1:30 PM**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Gulf of Mexico OCS Region	Investigation of Pre-Riser Discharge from Wells within Proximity to Deep Water Benthic Communities for Plans with a "Zero Discharge" Mitigation	27	Michelle Nannen
	Long-Term Monitoring at the East and West Flower Garden Banks: 2014-2017	39	
	Long-Term Ecosystem Monitoring of the Deep Gulf of Mexico, Phase 1: Deep Water Coral Sites Impacted by the 2010 Deep Water Horizon Oil Spill	45	Greg Boland
	Comprehensive Nearshore and Offshore Avian Surveys in the Gulf of Mexico (FY2015)	69	Dave Moran
<b>Discussion</b>			
Atlantic OCS Region	Atlantic Marine Assessment Program for Protected Species	29	Desray Reeb
	Trawl Surveys in the Mid-Atlantic	37	
	Determining Offshore Use by Marine Mammals and Ambient Noise Levels Using Passive Acoustic Monitoring	41	
	EMF (Electromagnetic Field) Impacts on Elasmobranch (sharks, rays and skates) and American Lobster Movement and Migration	43	Mary Boatman
	Movement Ecology of Terns in New England	45	
<b>Discussion</b>			

**Break 4:15 PM — 4:30 PM**

**Committee DBG Presentation Preparation 4:30 PM**

**Recess for the Day — 6:00 PM**

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**Outer Continental Shelf Scientific Committee  
Physical Oceanography Sciences  
Discipline Breakout Group Session Agenda**

**Wednesday, May 15, 2013, 8:30 AM – 5:00 PM**

**Co-coordinators: Drs. Walter Johnson and Ron Lai**

**Julia Conference Room**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Gulf of Mexico OCS Region	Cumulative Impacts Modeling in the Gulf of Mexico Region	23	Holli Ensz
	Trends Analysis of OCS Emissions in the Gulf of Mexico	25	
	Coral Reef Ocean Acidification Sentinel Site in the Flower Garden Banks National Marine Sanctuary	31	Rebecca Green
	Assessment of Mud-Capped Dredge Pit Evolution on the OCS, Peveto and Sandy Point SE Borrow Areas	35	Mike Miner
	Synthesizing and Quantifying Environmental Effects on the Gulf of Mexico	47	Erin O'Reilly
	Workshop on Developing a New, Leveraged Approach to Long-Term Monitoring in the GOM (FY2015)	93	
	<b>Discussion</b>		

**Break 10:15 AM — 10:30 AM**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Atlantic OCS Region	Microclimate Formation within Wind Turbine Arrays and Its Effects on Local Weather and Climate	33	Callie Hall
	Use of Northeast Coastal Ocean Forecast System in Offshore Wind Energy Resource Planning	39	
	<b>Discussion</b>		
Alaska OCS Region	Physical and Chemical Analyses of Crude and Refined Oils: Laboratory and Mesoscale Oil Weathering	43	Heather Crowley
	Cook Inlet Circulation Model Calculations	49	
		<b>Discussion</b>	

**Lunch 12:00 Noon — 1:30 PM**

Region	Proposed Study	Page #	Presenter
National	Environmentally Benign Oil Simulants to Mimic the Behavior of Oil Droplets in the Ocean	34	Walter Johnson
	<b>Discussion</b>		

**Break 2:00 PM — 2:15 PM**

**Committee DBG Presentation Preparation 2:15 PM**

**Recess for the Day — 5:00 PM**

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**Outer Continental Shelf Scientific Committee  
Social Sciences  
Discipline Breakout Group Session Agenda**

**Wednesday, May 15, 2013, 9:00 AM – 5:30 PM**

**Co-coordinators: Drs. John Primo and James Moore**

**River Bend 1 Conference Room**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Atlantic OCS Region	Wind Energy Development on the Atlantic OCS: The Identification of Port Modifications and their Environmental and Socioeconomic Consequences	25	Brandi Carrier
	<b>Discussion</b>		
National	Human Dimensions National Portal Rebuild Using the Department of the Interior Science Base Platform	31	John Primo
	<b>Discussion</b>		

**Break 10:00 AM — 10:15 AM**

<b>Region</b>	<b>Proposed Studies</b>	<b>Page #</b>	<b>Presenter</b>
Gulf of Mexico OCS Region	Testing and Assessment of the Effects of an Oil Spill on Coastal Archaeological Sites	29	Jack Irion
	Geo-Spatial Analysis of OCS Petroleum Effects on Gulf Coast Communities	41	Sindey Chaky
	Coastal Land Loss and Oil & Gas Infrastructure	33	Megan Milliken
	<b>Discussion</b>		

**Committee DBG Presentation Preparation 11:15 AM**

**Lunch 12:00 Noon — 1:30 PM**

**Continue Committee DBG Presentation Preparation 1:30 PM**

**Social Science Research: Alaska Region and the Gulf of Mexico Region 2:00 PM**

**Break 3:30 PM — 3:40 PM**

**Social Science Roundtable - Future Information Needs**

**Recess for the Day — 5:00 PM**

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## Outer Continental Shelf Scientific Committee Meeting

**Thursday, May 16, 2013**

### Wrap Up of Discipline Breakout Groups

- 7:00 AM Discipline Breakout Groups meet to finalize their presentations (see rooms below)  
Biological and Ecological Sciences meet in the New Levee Conference Room  
Physical Oceanography Sciences meet in the Julia Conference Room  
Social Sciences meet in the Fulton Conference Room

### OCS Science Committee Meet as a Full Committee Blaine Kern Conference Room

- 8:00 AM OCS Scientific Committee to meet as a full Committee (Fulton Conference Room)

**Break 10:00 AM — 10:15 AM**

### Plenary Session Agenda

#### Blaine Kern Conference Room

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- 10:15 Reconvene for Reports from Discipline Breakout Group Sessions**  
10:15 AM Ecology/Biology Summary  
10:45 AM Physical Sciences Summary  
11:15 AM Social Sciences Summary

**Lunch 12:00 Noon — 1:30 PM**

- 1:00 PM Interdisciplinary Summary  
2:00 PM Discussion Dr. Lorrie Rea  
3:00 PM Public Comment

**Break 3:15 PM — 3:30 PM**

- 3:30 PM Committee Business Dr. Lorrie Rea  
Emerging Issues or Topics of Interest  
Items for the Letter to the Director  
Other Committee Business  
Next Meeting Considerations  
4:15 PM Final Comments

**Meeting Adjourned— 5:00 PM**