

ENVIRONMENTAL STUDIES PROGRAM Division of Environmental Sciences

OUTER CONTINENTAL SHELF SCIENTIFIC COMMITTEE MEETING

May 13-15, 2014

Reston Sheraton Hotel 11810 Sunrise Valley Drive Reston, Virginia



Outer Continental Shelf Scientific Committee Meeting Agenda

This meeting of the Bureau of Ocean Energy Management's Outer Continental Shelf's Scientific Committee was held in accordance with the published Federal Register notice and followed the attached agenda (Appendix I). Held in Reston, Virginia, this meeting was attended by the members and visitors shown in <u>Appendix II</u>. An outline created from the verbatim transcripts and references page numbers of the transcripts, which may be reviewed, is provided in <u>Appendix III</u>.

All external requests for the meeting transcripts should be submitted to the CDER, Freedom of Information Office.

The summary minutes for May 13-15, 2014, Meeting of the OCS Scientific Committee were approved on August 15, 2014.

I certify that I attended the May 2014 meeting of the OCS Scientific and that the minutes accurately reflect what transpired.

/s/

Lorrie D. Rea Chair, OCS Scientific Committee August 15, 2014 Date

/s/

William Y. Brown Designated Federal Officer August 15, 2014 Date

APPENDIX I

OCS SCIENTIFIC COMMITTEE MEETING PLENARY SESSION AGENDA

Official Proceedings

• Tuesday, May 13, 2014

Presentations

Welcome and Introductions	Dr. Lorrie Rea, OSC Scientific Committee Chair
Welcome Remarks	Dr. Walter Cruickshank, BOEM Acting Director
Chief Environmental Officer's Message	Dr. William Brown, Designated Federal Officer of the Committee and BOEM Chief Environmental Officer
Environmental Studies Program: Use Inspired Science	Dr. Rodney Cluck, Executive Secretary of the Committee and Chief, Division of Environmental Sciences
Science for Informed Decisions: Panel Discussion on Environmental Assessment	 Mr. James Bennett, Chief, Division of Environmental Assessment, Herndon VA Mr. Joe Christopher, Gulf of Mexico Region Mr. Rick Yarde, Pacific OCS Region Ms. Lisa Toussaint, Alaska OCS Region Ms. Michelle Morin, Chief, Environmental Review - Office of Renewable Energy Programs
geoESPIS Demonstration	Dr. Jonathan Blythe & Dr. Mike Rasser
REGIONAL UPDATES	
Gulf of Mexico Region	Dr. Pat Roscigno, Chief Environmental Studies Section GOMR
Atlantic OCS Region	Dr. Mary Boatman, Chief, Environmental Studies Section OREP
Alaska OCS Region	Dr. Dee Williams, Chief, Environmental Studies Management Section AOCSR
Pacific OCS Region	Dr. Ann Scarborough Bull, Chief, Environmental Sciences Section POCSR
Marine Minerals - Sand and Gravel Program	Dr. Jeffrey Reidenauer, Chief, Marine Minerals Branch

• Wednesday, May 14, 2014

OCS SCIENTIFIC COMMITTEE MEETING

STUDY PRESENTATIONS AGENDA

STODIT RESENTATION	
Physical/Chemical Oceanography	
<u>Upgrading air-quality modeling in the Gulf of Mexico:</u> integrating local and remote emissions with photochemical model	Alexis Lugo Fernandez - GOMR
Watersipora II: Biological Oceanographic Connectivity of Southern California Reefs and Manmade Structures	Susan Zaleski POCSR
<u>Development of a Very High-resolution Regional Circulation Model</u> of Beaufort Sea Nearshore Areas	Heather Crowley AOCSR
Committee Question	s and Discussion
Biology/Ecol	ogy
Explosive Removal Fisheries Impact Assessment	Rebecca Green GOMR
<u>A Demonstration Marine Biodiversity Observation</u> Network (BON) for Ecosystem Monitoring	Jim Price HQDES
<u>Consequences of Ocean Energy Projects</u> to Productivity and Trophic Structure in Marine and Coastal Habitats	Donna Schroeder POCSR
<u>Field Evaluation of an Unmanned Aircraft System</u> for Studying Cetacean Distribution, Density and Habitat Use in the Arctic	Carol Fairfield AOCSR
Cetacean Distribution, Abundance, and Ecology in Cook Inlet	Carol Fairfield AOCSR
Subtidal and Intertidal Habitats and Invertebrate Biota in Lower Cook Inlet	Carol Fairfield/Chris Campbell AOCSR
<u>Tracking Movements of Endangered Roseate Terns and Threatened</u> <u>Piping Plovers</u> in the NW Atlantic	David Bigger OREP
Endangered Atlantic Sturgeon Habitat Use in Mid Atlantic Wind Energy Areas	Brian Hooker OREP
Understanding Whale Presence in the Virginia Offshore Wind Energy Area	Desray Reeb OREP
Committee Question	s and Discussion
Marine Minerals / Ber	nthic Ecology
Comprehensive Seafloor Substrate Mapping and Model Validation in the	Josh Wadlington, OREP
Atlantic Development of a Decision Support Tool to Reduce Sea Turtle Dredging	Doug Piatkowski, HQ.DEA
Entrainment Risk	
Sediment Sorting During Coastal Restoration Projects: Implications for Resource Management, Environmental Impacts, and Multiple Use	Doug Piatkowski. HQ.DEA
Conflict Managing Dredge Impacts by Optimizing the Use of Sand Resources	Dr. Jeffrey Reidenauer, MMP

Committee Questions and Discussion -

Social Science		
Quantitative Assessment of Spatially Explicit Social Values Relative to Wind Energy Areas	Brandi Carrier, OREP	
Alternative Energy Capacity Inventory in Coastal Alaska	Chris Campbell. AOCSR	
The Demographic Consequences of the Gulf of Mexico Offshore Petroleum Industry	Harry Luton. GOMR	
Interdisciplinary Research at the Site of Three 19th Century Deepwater Shipwrecks the Monterrey Shipwrecks	Melanie Damour GOMR	
Refining Maps of Ocean Use Compatibility and Cumulative Impacts for Ocean Energy Projects	Donna Schroeder. POCSR	
Committee Questions and Discu	ission. Any profile	
Multi-disciplinary or Regional Scale		
BOEM MARINe: Multi Agency Rocky Intertidal Network	Lisa Gilbane. POCSR	
High Resolution Aerial Imaging for Surveying of Ocean Use by Humans and Marine Animals	Mike Rasser. HQ DES	
<u>Gulf Oxygen Deepwater Experiment (GODEX):</u> An Interdisciplinary Field Survey of Rates and Processes Controlling Distributions	Rebecca Green GOMR	
Committee Questions and Discussion		
Committee Recommendations Presentation Preparation		

OCS Scientific Committee Meeting Committee Recommendations – Final Day Agenda

Official Proceedings

• Thursday, May 15, 2014

Presentations

Introduction to Committee Comments Regarding Study Profiles: `	Dr. Lorrie Rea
Disciplines Subcommittee Presentations / Questions and Answers/Discussion	
Physical/Chemical Oceanography	Dr. Mark Johnson
Biology/Ecology	Dr. Milton Love
Marine Minerals/Benthic Ecology	Dr. Rodney Mather
Social Science	Dr. Richard Gould
Multi-Disciplinary / Regional Scale	Dr. Sandra Werner
General Committee Recommendations and Discussion	

Presentation of Plaques to Retiring OCSSC Members by

Dr. William Brown

National Academy of Sciences Perspectives: <u>Perspectives from the NAS</u>:
 Greg Symmes, Executive Director, Division on Earth and Life Studies
 Susan Roberts, Director, Ocean Studies Board
 Maggie Walser, <u>Gulf of Mexico Research Program</u>: Questions / Discussion
 Kim Waddell, Senior Program Officer, Gulf of Mexico Research Program

Discussion Regarding Subcommittees

Dissolution of Environmental Sensitivity Assessment Subcommittee Subcommittee Titled Science Relevant to the Consideration of Oil and Gas Energy in the Mid and South Atlantic OCS

Public Comments: There Were No Comments from the Public

General Committee Recommendations and Discussion and Committee Recommendations and Discussion Regarding Additional Studies Not Presented

Comments Regarding Committee Business Letter to the Director New Member Nominations Date of 2015 OCS Scientific Committee Meeting Format for Meeting Breakout SME Teams Additional Days to the Meeting Orientation for New Members in 2015

MEETING ADJOURNED at 5:00

IN ATTENDANCE

COMMITTEE MEMBERS:

LORRIE D. REA, Ph.D., Chair STEPHEN L. ELGAR, Ph.D. RICHARD A. GOULD, Ph.D. MARK A. JOHNSON, Ph.D. MILTON S. LOVE, Ph.D. J. RODERICK MATHER, Ph.D. TABER ALLISON, Ph.D. SANDRA WERNER, Ph.D. DEN DUNTON, Ph.D. JERRY GALT, Ph.D. LISA LEVIN, Ph.D. RICHARD J. MCLAUGHLIN, Ph.D. WILLETT KEMPTON, Ph.D.

NOAA:

 PAUL SANDIFER, Ph.D., NOAA, National Ocean Service, Chief Scientist. Representing Dr. Kathryn D. Sullivan,
 Assistant Secretary of Commerce for Environmental
 Observations and Prediction Deputy Administrator and the
 Acting Chief Scientist, Office of the Under Secretary

NATIONAL ACADEMY OF SCIENCES:

GREG SYMMES, Executive Director, Division on Earth and Life Studies
SUSAN ROBERTS, Director, Ocean Studies Board
MAGGIE WALSER, Gulf of Mexico Research Program
KIM WADDELL, Senior Program Officer, Gulf of Mexico Research Program

BOEM:

WILLIAM BROWN, Designated Federal Officer, and **BOEM Chief Environmental Officer** WALTER CRUICKSHANK, BOEM Acting Director **RODNEY CLUCK** JAMES BENNETT MARY BOATMAN ANN SCARBOROUGH BULL PAT ROSCIGNO DEE WILLIAMS JOE CHRISTOPHER LISA TOUSSAINT MICHELLE MORIN JEFFREY REIDENAUER **RICK YARDE** JENNIFER EWALD PHYLLIS CLARK **BRAD BLYTHE** WALTER JOHNSON JONATHAN BLYTHE RON LAI MIKE RASSER **GREG BOLAND GUILLERMO AUAD**

CHRIS CAMPBELL CATHY COON HEATHER CROWLEY MELANIE DAMOUR BARRY OBIOL DAVID PEREKSTA JOHN PRIMO DONNA SCHROEDER SUSAN ZALESKI ALEXIS LUGO-FENANDEZ HARRY LUTON JAMES MOORE **REBECCA GREEN** JIM PRICE CAROL FAIRFIELD DAVID BIGGER **BRIAN HOOKER DESRAY REEB** JOSH WADLINGTON DOUG PIATKOWSKI **BRANDI CARRIER** LISA GILBANE

APPENDIX III

Index of Transcripts

The complete transcripts are available upon request through FOIA. Please see this Index of Transcripts to find which pages you would like to receive. OCS SCIENTIFIC COMMITTEE MEETING

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MEETING ADJOURNED at 5:00

ACRONYMS

Alaska Marine Science Symposium Bureau of Ocean Energy Management California Cooperative Oceanic Fisheries Investigation Coastal Marine Spatial Planning Discipline Breakout Groups Department of Energy Department of Interior) environmental assessment Environmental Impact Statements electromagnetic fields Energy Policy Act Environmental Studies Program Fiscal Year Geological & Geophysical Gulf of Mexico Research Initiative Interagency Arctic Research Policy Committee Multi-Agency Rocky Intertidal Network National Environmental Policy Act National Ocean Policy National Ocean Partnership Program Natural Resource Damage Assessments Outer Continental Shelf Oregon State University Resources and Ecosystems Sustainability, Tourist Opportunity and Revived Economics of the Gulf States Act of 2011 Real-time Opportunity for Development Environmental Observations Remotely Operated Vehicles
Regional Planning Bodies
Scientific Committee
Study of Environmental Arctic Change
subject matter expert
Synthesis of Arctic Research
United States Geological Survey