

Session 3D

DEEPWATER BENTHIC GEOLOGY/BIOLOGY ASSESSMENT

Co-Chair, Biology: Mark Mueller, BOEM

Co-Chairs, Geology: Bill Shedd and Kody Kramer, BOEM

Thursday Afternoon, August 24

Room: TBD

Description: This session considers the intriguing intersection of geology and biology at the seafloor in deep waters of the Gulf of Mexico. We will explore some of the best available tools and methods being used to better understand that intersection, in fulfillment of BOEM's dual mission.

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| 1:00 – 1:10 | Welcome and Introduction
Mark Mueller and Bill Shedd
Bureau of Ocean Energy Management |
| 1:10 – 1:30 | To 1.4 Billion Pixels and Beyond: BOEM's New Northern Gulf Seafloor Map
Kody Kramer and Bill Shedd
Bureau of Ocean Energy Management |
| 1:30 – 1:50 | BOEM's 3-D Seismic Seafloor Anomalies Database: 33,289 and Growing
Bill Shedd and Kody Kramer
Bureau of Ocean Energy Management |
| 1:50 – 2:20 | From the BOEM <i>Lophelia</i> II Project to NRDA: Corals as Sentinels of Anthropogenic Impact to the Deep Ocean
Charles Fisher
Pennsylvania State University |
| 2:20 – 2:40 | BREAK |
| 2:40 – 3:00 | Gulf Coral Atlas Part I—Rescued Data to the Rescue
Enrique Salgado
National Oceanic and Atmospheric Administration |

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- 3:00 – 3:20 Gulf Coral Atlas Part II—Predictive Models for Management
Arliss Winship
National Oceanic and Atmospheric Administration
- 3:20 – 3:40 Multidisciplinary Assessment of Deep-Water Coral Ecosystems: Tools to
Detect Impacts of Sub-Lethal Stress
Christina Kellogg
U.S. Geological Survey
- 3:40 – 4:00 The Vertical Distribution of the Deepwater Coral *Lophelia pertusa*
Derived from ROV Riser Inspection Videos
Mark Benfield
Louisiana State University
- 4:00 – 4:30 Open Discussion
Mark Mueller
Bureau of Ocean Energy Management