

Session 2B

MARINE MINERALS

Co-Chair: Mike Miner, BOEM

Co-Chair: Bridgette Duplantis, BOEM

Wednesday Morning, August 23

Room: TBD

Description: Erosion of the Nation's beaches, dunes, barrier islands, and coastal wetlands is a serious problem that affects natural resources, energy, defense, public infrastructure, and tourism. Beach nourishment and other coastal restoration projects aim to address this problem, often using sediment from the Outer Continental Shelf (OCS) to strengthen or rebuild the coastline. BOEM is the only federal agency with the authority to lease access to these non-energy resources (primarily sand and gravel) from the OCS which is managed by its Marine Minerals Program (MMP). As steward for these resources, BOEM must wisely manage OCS marine mineral resources to maximize long term use while ensuring that environmental damage to the marine and coastal environment is avoided, minimized, or mitigated. This session will focus on the results of recent studies which will improve the MMP's ability to make science informed decisions regarding the use of Federal mineral resources for future beach nourishment or wetlands restoration activities.

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| 8:00 – 8:10 | Welcome and Introduction
Mike Miner
Bureau of Ocean Energy Management |
| 8:10 – 8:35 | Sea Turtle Movement and Habitat Use in the Northern Gulf of Mexico
Kristen Hart and Margaret Lamont
U.S. Geological Survey |
| 8:35 – 9:10 | Marine Minerals Information System and Sea Turtle Decision Support Tool
Alexa Ramirez and Cherie Jarvis
Quantum Spatial |
| 9:10 – 9:35 | Assessment of Mud-Capped Dredge Pit Evolution on the Outer Continental Shelf of the Northern Gulf of Mexico
Kevin Xu
Louisiana State University |
| 9:35 – 9:50 | BREAK |

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Session 2B (Continued)

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- 9:50 – 10:15 Geomorphic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects
 Ioannis Georgiou, University of New Orleans
- 10:15 – 10:40 Economic Comparison of OCS Sand vs. Nearshore Sand for Coastal Restoration Projects
 Rex Caffey, Louisiana State University
- 10:40 – 11:05 A Critical Real-Time Louisiana Coastal Ocean Observing Station
 Chunyan Li
 Louisiana State University
- 11:05 – 11:30 Conceptual Modeling of Sediment Sorting by Hopper Dredging Operations
 Clayton McCoy
 U.S. Army Corps of Engineers