

Lakebed 2030

Event Schedule

Wednesday, September 30			
Time	Track	Event / Presentation	Presenter(s)
12:30 – 13:00	Keynote	Event kick-off Lakebed 2030 Overview	Hans VanSumeren <i>Northwestern Michigan College</i>
13:00 – 13:30	Technology	Conducting a Needs Assessment for the Great Lakes	Linden Brinks, Tim Kearns, Peter Esselman, Brandon Krumwiede, Karen Gouws, Ashley Chappell <i>GLOS</i>
13:30 – 14:00	Technology	Use of Hyperspectral Imagery and LiDAR Data to Classify Wetlands along Lake Ontario	Glenn M. Suir, Douglas A. Wilcox, Molly Reif <i>UA Army Engineer R&D Ctr./ SUNY</i>
14:00 – 14:30	Technology	Development of an Under-Ice Ecosystem Observations Capability Using Autonomous Underwater Vehicle Technology	S. Ruberg, A. Elgin, A. Vander Woude, D. Mason - <i>NOAA/GLERL</i> , P. Esselman - <i>USGS</i> L. Marshall - <i>NOAA Contractor</i> , Russ Miller – <i>CIGLR</i> , Jay Hibbard, D. Malak - <i>Hibbard Inshore</i>
14:30 - 15:00	Technology showcase	Surveying and mapping priorities in the Great Lakes	Ian Estaphan Owen <i>Aquabotix Technology Corporation</i>
15:00 – 15:30	Technology	Bottom-Type Classification of Multi-Year Acoustic Transects across Lakes Michigan and Huron	S. Pecoraro, P. Esselman, Tl.Brien, S. Farha, D. Warner
15:30 – 16:00	Technology	The Search for Tuskegee and Free French World War II Aircraft in Lake Huron	Wayne R. Lusardi <i>Michigan State Maritime Archaeologist</i>
16:00 – 16:30	Technology	Fusion of Space-Based Laser and Multispectral Satellite Data for Hydrospatial Surveying in the Great Lakes	Kyle Goodrich, President <i>TCarta Marine</i>
16:30		End of Day 1	

Lakebed 2030

Event Schedule

Thursday, October 1			
Time	Track	Event / Presentation	Presenter(s)
9:30 – 10:00	Keynote	Seabed 2030 – The initiative to map the oceans by 2030	David Millar Government Account Director <i>Fruugo</i>
10:00 – 10:30	Mapping	US Army Corps of Engineers National Coastal Mapping Program in the Great Lakes	Jennifer Wozencraft, Charlene Sylvester, Eve Eisemann <i>USACE</i>
10:30 – 11:00	Mapping	Mapping a Marine Sanctuary: Case Studies and Collaborations	Stephanie Gandulla <i>Thunder Bay National Marine Sanctuary</i>
11:00 – 11:30	Mapping	Autonomous AUV-based Lake floor mapping - Cloud-native ways to store and make that data easily accessible to the public.	Anthony DiMare, <i>Bedrock CEO & Co-founder</i>
11:30- 12:00	Mapping	EPA Autonomous Underwater Glider Surveys in the Great Lakes	Tom Hollenhorst, Paul Mckinney, Ben Alsip, Sam Miller, Terry Brown, Joel Hoffman <i>US EPA</i>
12:00 – 12:30		Lunch / Break	
12:30 – 13:00	Mapping	Benthic Mapping at Isle Royale National Park: Exploring Different Methods for Mapping Submerged Natural Resources with CMECS.	Nathaniel H. Penrod <i>National Park Service</i>
13:00 – 13:30	Mapping	St. Mary's Substrate Mapping	T. Calappi, J. Gresell, J. Friend, H. Wadman, J. Selegean, J. McNinch <i>USACE</i>
13:30 – 14:00	Mapping	Benthic Mapping to Support Collaborative Management of Emerging Littoral Issues.	Brandon Krumwiede, <i>NOAA</i>
14:00 – 14:30	Mapping	Geological Mapping of the Lake Superior Lake Bed: A History and Future Opportunities	DeGraff, J.M. <i>Michigan Technological University</i>
14:30 - 15:00	Mapping	Is it a rock or a Hard Place?	Jeff Houghton, M.S. <i>Univ. of Wisconsin- Milwaukee</i>
15:00 – 15:30	Mapping	Building a Technology Platform to Serve Great Lakes Bathymetry	Kearns, Tim; Brinks, Linden; Bhadbhade, Sneha <i>GLOS</i>
15:30 – 16:00	Mapping	Lakebed mapping in high-priority areas within Thunder Bay National Marine Sanctuary.	Ayman Mabrouk, Ph.D. <i>NOAA</i>
16:00 – 16:30	Mapping	Costs and Approaches to Comprehensive High Resolution Mapping of the Great Lakes	Kearns, Tim; Paige, Kelli <i>GLOS</i>
16:30 – 17:30		PANEL: CMECS in the Great Lakes	Mark Finkbeiner <i>NOAA</i>
17:30		End of Day 2	

Lakebed 2030

Event Schedule

Friday, October 2			
Time	Track	Event / Presentation	Presenter(s)
10:00 – 10:30	Keynote	Lakebed Mapping in a Great Lakes Protected Area: Experience from Fathom Five National Marine Park, Canada	Scott Parker, Ph.D. Great Lakes Regional Coordinator Protected Areas Establishment and Conservation <i>Parks Canada</i>
10:30 – 11:00	Coastline	Coast Survey Mapping Strategy for the Great Lakes	Charles Wisotzkey <i>NOAA</i>
11:00 – 11:30	Coastline	Response of the Beach and Nearshore Region to Extreme Water Levels	Guy Meadows, Ethan Theuerkauf
11:30- 12:00	Coastline	Historic Great Lakes Coastlines of Michigan	Ryan Williams, Daniel Lizzadro-McPherson, Don Lafreniere, Guy Meadows
12:00 – 12:30	Technology showcase	TBD	TBD
12:30 – 13:00		Lunch / Break	
13:00 – 13:30	Coastline	Aquatic Earth Observation applicability and solutions for the Great Lakes: Technology, Use Cases and Tools	Edward Albada, <i>EOMAP</i>
13:30 – 14:00	Coastline	Filling the Great Lakes’ “White Ribbon”: An approach to creating seamless topo-bathymetric maps of dynamic beach environments	Katherine N. Braun, Ethan J. Theuerkauf, Jenny Bueno, Kevin E. Engelbert, Steven E. Brown, Christopher R. Mattheus
14:00 – 14:30	Coastline	Coastal Resiliency	Ian Estaphan Owen <i>Aquabotix Technology Corporation</i>
14:30 - 15:00	Technology showcase	Sediment/Substrate/Geology	Ian Estaphan Owen <i>Aquabotix Technology Corporation</i>
15:00 – 15:30	Habitat	Classifying Coastal Benthic Habitats: A Great Lakes Example	Molly Reif, <i>USACE</i> Brandon Krumwiede - <i>NOAA</i>
15:30 – 16:00	Habitat	A new coregonine egg trap captures record density and habitat deposition variability in Lake Ontario’s Chaumont Bay	Brian Weidel, Hannah Lachance, Brian Lantry, Cameron Davis, Brian O’Malley, Stacy Furgal, Christopher Osborne, Matthew Paufve, Michael Connerton
16:00 – 16:30	Habitat	Deepwater Rocky Connectivity and Seasonal Migration of Round Gobies	John Jansen <i>Univ. Wisconsin - Milwaukee</i>
16:30		Event close / Wrap-up	

Note: Time referenced is Eastern Standard Time:

Revision date: 09.23.2020