



BUILDING THE  
GREAT MAP  
Lakebed 2030

# LAKEBED 2030

September 17-19, 2024

Traverse City, Michigan

Tuesday, September 17, 2024 (times reflect Eastern daylight time)

Time		Event	
1400 (new time)	Registration	REGISTRATION OPENS/PICK UP WELCOME PACKET	Exhibitor set-up
1400-1700	Demos	On-water Equipment Demonstrations	Harbor
1400-1600	Course	Underwater Visualization for Infrastructure Inspection - Kongsberg (on-site registration)	Room 211
1700	Reception	Welcome Reception & Sponsorship Recognition - Hosted by Teledyne Marine and SES	Rotary Hall & Courtyard

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Wednesday, September 18, 2024 (times reflect Eastern daylight time)			
Time		Event / Presentation	Presenter(s)
0745	Hosted breakfast		
0830	Opening Remarks	Welcome and Overview of the Day Featured Speaker Introduction	Heather Stirratt, Director International Joint Commission
0845	Keynote	Charting NOAA's Course in the Great Lakes	Rick Spinrad, PhD NOAA
0915	Panel	The Scientific, Economic, and Environmental Value of High-Resolution Mapping of the Great Lakes Moderator: Dr. Richard Spinrad - NOAA	Rear Admiral Ben Evans (NOAA) Dana Gallant, Manager (CHS) Ashley Chappell (CMTS) Heather Stirratt (IJC)
1015	Break		
1030	Development of a Great Lakes Science Plan: Aligning and Coordinating with Lakebed 2030		Matthew Child International Joint Commission
1100	Bi-National Bathymetry Coverage and Gap Analysis Pilot		Meredith Westington NOAA
1130	Conquering Data in the Great Lakes through a Joint Venture		Tim Kearns GLOS
1200	Lunch		
1300	Coast Survey's Hydrographic Surveying Program: Planning, Managing, and Qualifying Hydrographic Survey Data Acquisition in the Great Lakes		Christy Fandel Michael Stephens NOAA
1330	Adding to the Map: Large-scale Charting Efforts of Lake Michigan Contribute to Lakebed 2030 Initiatives		Dave Bernstein NV5
1400	Shallow and Extended Range Lakebed Mapping with Long-endurance USVs		Matt Holland Kitch Kennedy NORBIT/SailDrone
1430	Great Lakes Satellite Derived Bathymetry: Successes, Failures, and New Approaches		Kyle Goodrich TCarta
1500	Break		
1515	Looking Below the Surface: An Update on Benthic Habitat Mapping in the Great Lakes		Lara O'Brien NOAA
1545	Benthic Habitat Mapping: Integrating AUVs and ROVs with Photogrammetry and Machine Learning		Phillipe Wernette MTU – Great Lakes Research Ctr.
1615	Modernizing Great Lakes Benthic Mapping: Updates on a Collaborative Workflow		Charles Menza NOAA
1645	Employer – Student Roundtable ( <a href="#">register here</a> )		
1730	Close-of-the-Day Events		

Thursday, September 19, 2024 (times reflect Eastern daylight time)			
Time	Topic	Event / Presentation	Presenter(s)
0745	Hosted Breakfast		
0830	Opening Remarks	Welcome and Overview of Day Two Keynote Speaker Introductions	Millicent Pitts Oceans Exchange
0845	<b>Keynote Speaker</b>	The Value of Mapping: Perspectives from the Francis Scott Key Bridge Collapse Response	Rear Admiral Ben Evans Director, NOAA
0915	<b>Featured Speaker</b>	Status of Mapping/Charting on the Canadian Side of the Great Lakes and Opportunities to Increase Contributions from Other Interested Organizations along with New Technologies	Dana Gallant, Manager Data Access and Contracting Canadian Hydrographic Service
0945	Break		
1000	NOAA's New Center of Excellence for Operational Ocean and Great Lakes Mapping		Andy Armstrong NOAA
1030	Lake Superior Mapping and Archaeological Exploration Using Uncrewed Technology and High-Performance Multibeam		Travis White MTU – Great Lakes Research Center
1100	Between Two Lakes: Habitat Mapping in the Niagara River		Josephine Johnson US Fish & Wildlife Service
1130	Lunch		
1230	A Community-led Plan to Explore the Underwater Cultural Heritage of Flathead Lake, Montana		Helen Stewart Fugro
1300	Deep Crater Structures in the Milwaukee Basin		Caitlin Zant Wisconsin Shipwreck Coast National Marine Sanctuary
1330	Where in the World Is Data?		Tim Kearns GLOS
1400	OCEANS 25 - Great Lakes Closing Remarks / Event Close		Hans VanSumeren, Senior Director Ocean Enterprise, MTS OCEANS 25 LOC Chair
1430	Lakebed 2024 Event Close		

1700 - 1900	<h2>MTS / THSOA Regional Chapter Meeting</h2> <p><a href="#">Traverse City Curling Center</a>, 1712 S. Garfield Ave., Traverse City</p> <p>This event is <u>not</u> included in the Lakebed conference registration and requires a separate registration.</p> <p>Click <a href="#">here</a> to register for the chapter meeting/curling.</p>		

Revision date: (09.12.2024)