

8:30 -9:00am **Registration/Networking**

9:00 – 9:15am **Welcome & Opening Remarks**

Jennifer McKay, Policy Director, Tip of the Mitt Watershed Council

Tom Darnton, President, Lake Charlevoix Association

9:15am – Noon **Presentations**

9:15am – 9:30am **What is a Watershed and a Watershed Management Plan?**

Lauren Dey, Watershed Management Coordinator, Tip of the Mitt Watershed Council

9:35:am – 10:10am **Coastal Dynamics and Impacts of Shoreline Hardening (Virtual)**

Guy Meadows, Director, Marine Engineering Laboratory, Robbins Professor of Sustainable Marine Engineering, and Research Professor, Mechanical Engineering-Engineering Mechanics, Michigan Tech University

10:10am – 10:45am **Historical Trends on Lake Charlevoix**

Eric Calabro, Inland Lakes Analyst, Michigan Department of Environment, Great Lakes, and Energy

10:45am – 10:55am **Break**

10:55am – 11:25am **Local Planning and Zoning for Resilient and Sustainable Lake Shorelands**

Dick Norton, Professor of Urban & Regional Planning, Professor of Program in the Environment,

University of Michigan

11:30am – 12:00pm **Components of a Natural Shoreline, Lessons Learned on Lake St. Clair (Virtual)**

Ryan Wilder Darnton, J.D., P.E. NOAA Restoration Center



Noon- 1:00pm **Lunch**

1:00pm – 2:00pm **Panel Discussion**

**Successes of Bioengineering/Natural Shorelines**

Jennifer Buchanan, Associate Director, Tip of the Mitt Watershed Council

Joseph Haas, District Supervisor Water Resources Division, Gaylord/Cadillac District,

Michigan Department of Environment, Great Lakes, and Energy

Christopher May, Senior Restoration Ecologist, GEI

2:00pm -3:00pm **Breakout Sessions – Challenges to Shoreline Management**

3:00pm – 3:30pm **Reassemble & Report Out from Breakout Sessions**

3:30pm – 3:45pm **Next Steps**

**Lake Charlevoix Visioning and Shoreline Protection Project**

Matt Cowall, Executive Director, Land Information Access Association

3:45pm – 4:00pm **Closing Remarks**

