

State of Lake Huron Meeting Agenda

November 4 & 5, 2015

8:30am – 5:00pm

Location: Great Lakes Maritime Heritage Center, 500 W. Fletcher Street, Alpena, MI 49707

Meeting Room: The Great Lakes Maritime Heritage Center's Theater Room

Day 1: Wednesday, November 4th

- 8:30 Welcome, Introductions, and Meeting Overview – *Jamie Schardt (USEPA)*
Welcome from the Great Lakes Maritime Heritage Center – *Russ Green (NOAA)*
- 8:45 Great Lakes Water Quality Agreement & the Lake Huron Partnership
- 1) 8:45: [The Lake Huron Partnership & the Cooperative Science & Monitoring Initiative: Governance, Process & Coordination](#) – *Jamie Schardt (USEPA) & Laurie Wood (EC)*
- 9:00 Chemical Contaminants (Air, Water, Sediments, Biota)
- 2) 9:00: [Contaminants in Lake Huron Sediment](#) – *Debbie Burniston (EC)*
 - 3) 9:15: [Current \(2008-12\) Distribution & Body Burden of Monitored Contaminants in Lake Trout & Walleye in the Great Lakes](#) – *Daryl McGoldrick (EC)*
 - 4) 9:30: [Great Lakes Chemical Monitoring and Surveillance, a CSMI Perspective](#) – *Elizabeth Murphy (USEPA)*
 - 5) 9:45: [PCB and Hg Accumulation Dynamics in Lake Trout and Links with Ecological Processes](#) – *Ken Drouillard (U of Windsor)*
 - 6) 10:00: [Long-term Trends of Contaminants in Herring Gulls](#) – *Shane DeSolla (EC)*
- Break: 10:15
- 10:30 Nearshore Water Quality and Land-Lake Interactions (Land Use and Nutrient Loadings, Beach Health, Harmful Algal Blooms, Cladophora)
- 7) 10:30: [Expanding Community-based Nutrient Management and Evaluation Efforts Along the Southeast Shores of Lake Huron](#) – *Mari Veliz (Ausable Bayfield CA)*
 - 8) 10:45: [Phosphorus Transport in Agricultural Drain Tiles in the Saginaw Bay Watershed](#) – *David Karpovich (Saginaw Valley State Univ.)*
 - 9) 11:00: [Saginaw Bay Water Quality Update](#) – *Craig Stow (NOAA)*
 - 10) 11:20: [Monitoring of Nearshore Water Quality in Lake Huron and Georgian Bay by the Ontario Ministry of the Environment and Climate Change](#) – *Todd Howell's work presented by Ted Briggs (OMOECC)*
 - 11) 11:35: USGS Monitoring Activities – *Cynthia Rachol (USGS)*
- Lunch: 11:50 – 1:30 Lunch will be on your own

- 1:30 Nearshore Water Quality and Land-Lake Interactions (Land Use and Nutrient Loadings, Beach Health, Harmful Algal Blooms, Cladophora)
- 12) 1:30: [Remote Sensing & In-Situ Observations in Lake Huron \(including Saginaw Bay\)](#)
– Steve Ruberg (NOAA)
 - 13) 1:45: [Nearshore to Offshore Trends in Zooplankton & Preyfish in the 2012 CSMI Year](#)
– David Bunnell (USGS)
- 2:00 Aquatic Ecosystem Structure, Function, and Change (Nutrients and Major Ions, Benthic and Pelagic Food Web Changes, Invasive Species)
- 14) 2:00: [Trends in Benthic Macroinvertebrates throughout the Lake Huron System](#)
– Tom Nalepa (U of Michigan)
 - 15) 2:15: [Long-term Trends in Lake Huron's Lower Foodweb](#)
– Paul Horvatin (USEPA)
 - 16) 2:30: [High Resolution Observations of Diel Spatial Interactions of Nutrients, Plankton, and Larval Fishes in Lake Huron](#) – Henry Vanderploeg (NOAA)
- Break: 2:45
- 17) 3:00: [Lake Huron Offshore Water Quality](#) – Alice Dove (EC)
 - 18) 3:15: [Patterns in Lake Huron Pelagic Food Web](#) – David Warner (USGS)
 - 19) 3:30: [Nutrient and Energy Flows in the Food Web of Lake Huron](#)
– Doug Haffner (U of Windsor)
- 3:45 Habitats and Species: Status, Trends, and Stressors (Coastal Wetlands, Coastal Terrestrial Habitat, Tributaries and Hydrological Connectivity, Population Status and Trends)
- 20) 3:45: [Health, Population Trends and Ecological Changes of Colonial Waterbirds](#)
– Shane DeSolla (EC)
 - 21) 4:00: [Changes in Northern Lake Huron Colonial Waterbird Nesting Colonies](#)
– James Ludwig (Eco-toxicologist Consultant)
 - 22) 4:15: [Invasive Eurasian Watermilfoil and Indigenous Macrophyte Density Shifts in the Les Cheneaux Islands During a Four Year Period Coinciding with an Unprecedented Rise in Lake Huron Water Levels](#) – authored by Robert Smith, Roger Gauthier, and Mark Clymer (Les Cheneaux Watershed Council)
- 4:25 Question & Answer, Group Discussion, Etc.

End of Day 1: 4:45pm

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Day 2: Thursday, November 5th

- 8:30 Habitats and Species: Status, Trends, and Stressors (Coastal Wetlands, Coastal Terrestrial Habitat, Tributaries and Hydrological Connectivity, Population Status and Trends)
- 23) 8:30: [Lake Huron Coastal Wetland Status - Assessment, Synopsis and Needs](#)
– Jan Ciborowski (U of Windsor)
 - 24) 8:45: [Early Response of Coastal Wetland Habitat to Increased Water Levels in Georgian Bay and Lake Huron](#) – Pat Chow-Fraser (McMaster University)
 - 25) 9:00: [What is the Best Range of Water Levels that Allows for Ecosystem Functions & Healthy Aquatic Systems; Facing Climate Change Why it is Important to be able to Retain Water in all the Great Lakes](#) – Mary Muter (Sierra Club CAN FDN)
 - 26) 9:15: [NASA Water Levels Impacts on Coastal Wetland Inventories](#)
– David Sweetnam (Georgian Bay Forever)
- 9:30 Fish and Fisheries Management (Fish Species Diversity, Prey Fish Dynamics, Nearshore Fish Status and Trends, Native Fish Conservation and Management Needs)
- 27) 9:30: [Fish Community Dynamics in Ontario Waters of Lake Huron](#)
– Arunas Liskauskas (OMNRF)
 - 28) 9:45: [Fish Community Dynamics of Saginaw Bay](#) – David Fielder (MDNR)
 - 29) 10:00: [A Fishery Perspective on Lake Huron Food Web](#) – Ji He (MDNR)
- Break 10:15
- 30) 10:30: [Lake Huron Prey Fishes](#) – Ed Roseman (USGS)
 - 31) 10:45: [Nearshore Fish Community Response to Invasive Species](#)
– Jim Johnson (retired MDNR)
 - 32) 11:00: [The Role of Lake Sturgeon in a Dreissenid Dominated Ecosystem](#)
– James Boase (USFWS)
 - 33) 11:15: [USFWS Strategies for Early Detection of Non-native Species in Lake Huron](#)
– Anjanette Bowen (USFWS)
- Lunch: 11:30 – 1:00 Lunch is on your own
- 1:00 Cooperative Science & Monitoring Initiative – Jamie Schardt (USEPA) and Laurie Wood (EC)
- Review of Process
 - 2012 Information Gaps and Science and Monitoring Priorities
 - What We Now and Existing Information Needs
 - Science and Monitoring Priorities
- Break 2:30
- Group Discussion

End of Day 2: 4:00pm