



Green Bay, WI
Nov. 7-10, 2017

Poster Session Presenters

Nov. 8, 2017

Hyatt Regency | Green Bay, WI

Estimation of vertical diffusivity in lower Green Bay, Lake Michigan

Presenter: Sajad Hamidi, Indiana University of Pennsylvania

Co-authors: Hector Bravo, University of Wisconsin-Milwaukee; J. Val Klump, UWM School of Freshwater Sciences

Detection of *Escherichia coli* in northern Lake Michigan waters using qPCR Method C

Presenter: Roland Hernandez, University of Wisconsin – Oshkosh

Rapid detection of *E.coli* in beach water by KwikCount membrane filtration in six Door County beaches

Presenter: Robert Meyers, University of Wisconsin - Oshkosh

Co-authors: Roland Hernandez, Alexandria Wensink and Jasmine Lopez -- University of Wisconsin-Oshkosh

Microbial source identification at a TMDL site in Michigan

Presenter: Huiyun Wu, Michigan State University

Co-authors: Irene Xagorarakis, Michigan State University; Amira Oun, Environmental Engineer, Michigan DEQ

Mapping and monitoring avian resources in the Great Lakes to support management

Presenter: William Mueller, Director, Western Great Lakes Bird and Bat Observatory

Co-authors: Michele Leduc-Lapierre, Great Lakes Commission

Land use effects on nutrient cycling and loss from headwaters to Great Lakes in the Fox River basin

Presenter: William Richardson, U.S. Geological Survey

Co-authors: Rebecca M. Kreiling, Lynn Bartsch and Victoria Christensen – USGS

Lake Sturgeon (*Acipenser fulvescens*) spawning and larval drift in the Lower Fox River, WI

Presenter: Stefan Tucker, University of Wisconsin - Green Bay

Co-authors: Patrick Forsythe, UW - Green Bay; Christopher Houghton, UW - Green Bay; Robert Elliott, US Fish & Wildlife Service; Brandon Harris, US Fish & Wildlife Service; Michael Donofrio, WI Department of Natural Resources

Importance of Lake Michigan coastal areas to foraging bats

Presenter: Jeremiah Shrovnal, Wyoming Game and Fish

Co-authors: Robert Howe, UW-Green Bay; Amy Wolf, University of Wisconsin Green Bay; Jessica Kempke, USACE

Linking eDNA with electroshocking to assess abundance of Rusty Crayfish in Lake Michigan tributaries

Presenter: Kasia Kelly, USGS-Lake Michigan Ecological Research Station

Co-authors: Meredith Nevers, USGS-Lake Michigan Ecological Research Station; Charles Morris, NPS; Murulee Byappanahalli, USGS-LMERS; Ashley Spoljaric, USGS-LMERS; Joshua Dickey, NPS; Samantha Jurecki, USGS-LMERS

Evaluating the zooplankton community at the Sheboygan River Area of Concern

Presenter: Hayley Templar Olds, U.S. Geological Survey

Co-authors: Barbara Eikenberry and Daniel Burns – U.S. Geological Survey



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Effects of sediment dredging on zooplankton and macroinvertebrate communities in the Lower Fox River

Presenter: Dan Heimerl, St. Norbert College

Co-authors: Tyler Butts and Carrie Kissman – St. Norbert College

Spatial patterns in fish biodiversity and abundance within the Lower Fox River, Green Bay, Wisconsin

Presenter: Spencer Vander Bloemen, University of Wisconsin-Green Bay

Co-authors: Stefan Tucker, Patrick Forsythe and Christopher Houghton – UW-Green Bay

Comparison of Colilert and qPCR methods for monitoring Lake Michigan beaches in Muskegon County

Presenter: Molly Lane, Grand Valley State University, Annis Water Resources Institute

Co-authors: Richard Rediske, GVSU-AWRI; Brian Scull, GVSU-AWRI; Brittany Schulz, Wheaton College

Comparison of Colilert and qPCR Methods for monitoring inland lake beaches in Muskegon County

Presenter: Brian Scull, Grand Valley State University, Annis Water Resources Institute

Co-authors: Richard Rediske and Molly Lane – GVSU AWRI

FishAtlas and AnglerArchive: Interactive websites for recreational fisheries in Lake Michigan

Presenter: Mitchell Zischke, Purdue University

Co-authors: Benjamin Dickinson, IL DNR; Bradley Eggold, WI DNR; Steven R. Robillard, IL DNR; Donna Wesander, MI DNR; Charles Roswell, IL Natural History Survey; Tomas Höök, Purdue University

Using water quality parameters to predict light attenuation in western Lake Erie

Presenter: Chelsea Weiskerger, Michigan State University

Co-authors: Mark Rowe, CIGLR, Univ. of Michigan; Hongyan Zhang, CIGLR; Craig Stow, NOAA GLERL; Timothy Davis, NOAA GLERL; Dack Stuart, CIGLR

Sediment toxicity assessment at two Wisconsin AOCs and selected non-AOC tributaries to Lake Michigan

Presenter: Barbara Eikenberry, US Geological Survey

Co-authors: John Besser, Rebecca Dorman and Hayley Templar Olds – U.S. Geological Survey

Reducing algal blooms in Dream Lake, WI: Algal and zooplankton seasonal dynamics indicate response to food web manipulation

Presenter: Carrie Kissman, St. Norbert College

Co-authors: Tyler Butts, Cole Brennan, Kristin Kniech and James Hodgson – St. Norbert College

Using citizen science to track Great Lakes fish migrations

Presenter: Karen Murchie, Shedd Aquarium

Co-authors: Charles Knapp, Shedd Aquarium; Philip Willink, Shedd Aquarium; Peter McIntyre, UW-Madison; Erika Washburn, Gail Overholt and Shon Schooler – Lake Superior National Estuarine Research Reserve

Tracking the source of *E. coli* at impaired beaches in the St. Louis River Area of Concern

Presenter: Heidi Saillard, Lake Superior Research Institute-UW-Superior

Co-authors: Kelsey Prihoda, UW Lake Superior Research Institute; M. Steiger, WI DNR; Donalea Dinsmore, WI DNR; Melinda Bootsma, Deborah Dila and Sandra McLellan – UW-Milwaukee School of Freshwater Sciences