

## Wednesday, September 14, 2022 – Michigan Inland Lakes Convention: Protecting Lakes Today for Tomorrow

All times are Eastern Daylight Time - Updated August 19, 2022

TIME	TOPIC			
9am – 9:10	Convention Welcome by Julia Kirkwood, Michigan Department of Environment, Great Lakes and Energy (EGLE)			
9:10 – 10:10	Speaker Introduction by Julia Kirkwood Keynote Address: Wild Rice: Returning lost wetlands to our inland lakes - Roger LaBine, Lac Vieux Desert Band of Lake Superior Chippewa and Native Wild Rice Coalition			
10:10 – 10:30	BREAK			
10:30 - Noon	SESSION 1-3: INVASIVE SPECIES AND RECREATION	SESSION 4-6: COMMUNICATIONS	90 MIN SESSION 2: TECHNOLOGY	
	Moderator: Paige Filice	Moderator: Jo Latimore	Moderator: Ralph Bednarz	
	Step aboard Michigan's Clean Boats, Clean Waters program and learn about current aquatic invasive species outreach and education efforts – Kelsey Bockelman and Paige Filice, Michigan State University Extension	Utilizing Partners: The Michigan Alphabet Soup – Melissa DeSimone, Michigan Lakes and Streams Association	Innovative Applications of Drone Technology for Lake Management – Ronald Reimink, Freshwater Solutions, LLC and Dennis Wiand, Zero Gravity Aerial, LLC	
	Changing Behavior Among Watercraft Users in Northwest Michigan: How the Aquatic Invasive Species Pathways Program is working to prevent the spread of AIS through outreach and boat washing	Why Don't They Clean, Drain, and Dry? Understanding Boater and Angler Behavior – Carrie Meier, Michigan State University		

	services – Emily Cook, Benzie Conservation District			
	Advancing the Understanding of the Recreational Boating Pathway and Aquatic Invasive Species in Michigan and Beyond - Kevin Walters, EGLE	Behind the Scenes at the Michigan Inland Lakes Convention: The Interns’ Perspective – Lindsey Ruppert and Dan Olree, Northwestern Michigan College		
Noon – 1:00 PM	LUNCH			
	WORKSHOP 1: COMMUNICATIONS	WORKSHOP 2: AQUATIC PLANTS	90 MIN SESSION 3: FISH MANAGEMENT	90 MIN SESSION 4: CAREER PATHS
	Moderator: Scott Brown	Moderator: Erick Elgin	Moderator: Joe Nohner	Moderators: Dan Olree
1:00 pm-2:30	Water Words that Work – Eric Eckl, Water Words That Work, LLC Part 1. The Perils of Preaching to the Choir	Aquatic Plant Identification – Erick Elgin, Michigan State University Extension, Jo Latimore, Michigan State University, and Paul Skawinski, UW-Stevens Point	Managing Michigan’s Fisheries on Inland Lakes – Matthew Diana, Brian Gunderman, and Seth Herbst, MDNR	Panel to Explore Natural Resources Careers – Speaker Panel: Paul Hausler, Progressive AE Emily Cook, Benzie Conservation District, Caroline Keson, Tip of the Mitt Watershed Council, Julia Kirkwood, EGLE
2:30 - 3:00	BREAK			
	WORKSHOP 1: COMMUNICATIONS (continued)	WORKSHOP 2: AQUATIC PLANTS (continued)	90 MIN SESSION 5: FISHERIES	90 MIN SESSION 6: SHORELINE PLANTS

			Moderator: Joe Nohner	Moderator: Julia Kirkwood
3:00 - 4:30	Part 2. The Environmental Message Method		Wood is good! Woody habitat in lakes for fish and more – Joe Nohner, MDNR, Craig Kivi, Natural Shorelines Forever, and Eric Calabro, EGLE	Choosing the Right Plant for the Right Place – Julia Kirkwood, EGLE
4:30	End of Day			

# Thursday, September 15, 2022 – Michigan Inland Lakes Convention: Protecting Lakes Today for Tomorrow

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TIME	TOPIC			
9:00am - 9:10	Convention Welcome – Erick Elgin, Michigan State University Extension (MSUE)			
9:10 - 10:10	Speaker Introduction: Erick Elgin, MSUE Keynote Address: Taking a long look at lakes: perspectives from the North Temperate Lakes Long-Term Ecological Research Program - Emily Stanley, Professor, Department of Integrative Biology, University of Wisconsin, Madison			
10:10 – 10:30	Break			
10:30 - noon	SESSION 7-9: LAKE PROTECTION, MANAGEMENT & GOVERNANCE	SESSION 10-11: FISH	90 MIN SESSION 7: ALGAL BLOOMS AND HABs	90 MIN SESSION 8: NATIVE MUSSELS
	Moderator: Tamara Lipsey	Moderator: Kelsey Bockelman	Moderator: Melissa DeSimone	Moderator: Joe Nohner
	Protecting our Lakes from Natural & Anthropogenic Disasters – Yesterday, Today, & Tomorrow – Stacy Daniels, Benzie County River improvement Co.	Our Freshwater World – Mark Barrow, Beneath British Waters	Interactive Three-Part Discussion on Harmful Algae Blooms with an Expert Panel – Frank Slovenec, Global Water Works, Wayne Carmichael, Melissa Meeker, the Water Tower, and Ar El Khattabi, Environmental Protection Agency	Strengthening our mussels: Science and management of mussels in inland lakes – Joe Rathbun, Retired, EGLE, Pete Badra, Michigan Natural Features Inventory, and Cleo Harris, Cleo Harris, Michigan Department of Natural Resources
	Reducing management decision uncertainty with lake circulation modeling – Mike Foster, Kieser & Associates, LLC	A review of the fishery response over time to continuous AIS management in several Michigan lakes – Paul Hausler, Progressive AE		

	Polycentric governance for change: Comparing how U.S. Midwest lake and watershed governance systems facilitate learning – Dane Whittaker, Arizona State University			
Noon - 1:00 PM	LUNCH			
1:00 pm - 2:30	WORKSHOP 3 (90 MINUTES): LAKES AND DATA	90 MINUTE SESSION 9: AQUATIC PLANT POLICY AND REGULATIONS	90 MINUTE SESSION 10: COMMUNICATIONS	
	Moderator: Paul Hausler	Moderator: Eric Calabro	Moderator: Julia Kirkwood	
	<p>Part I. Understanding Temperature/ Dissolved Oxygen Data collected by the MiCorps Cooperative Lakes Monitoring Program – Erick Elgin, Michigan State University Extension (MSUE) and Jo Latimore, Michigan State University (MSU)</p> <p>Part II. Understanding Temperature/ Dissolved Oxygen Data collected by the MiCorps Cooperative Lakes Monitoring Program –</p>	Policy and Regulation surrounding Aquatic Plant Management in Michigan - Joe Nohner, MDNR; Eric Calabro and Ryan Crouch, EGLE	Are You Looking for an Educational Resource that Fits Your Audience? – Julia Kirkwood, MI Department of Environment, EGLE and Erin Fuller, Van Buren Conservation District	

	Erick Elgin, MSUE and Jo Latimore, MSU  Part III. Aquatic plant restoration post invasive species control - Erick Elgin, MSUE			
2:30 - 3:00	Break			
3:00 - 4:30	90 MINUTE SESSION 11: FISH AND WATERSHEDS	90 MINUTE SESSION 12: POLICY AND REGULATIONS	90 MINUTE SESSION 13: WATER LAW & NATURAL SHORELINES	
	Moderator: Joe Nohner	Moderator: Eric Calabro	Moderator: Lois Wolfson	
	Helping fish swim into lakes: Fish passage for inland lake fishes – Katelyn King, University of Michigan, Jessica Collier, US Fish and Wildlife Service, and Chris Freiburger, Great Lakes Fish Commission	State Regulations Surrounding Construction Activities on Wetlands, Lakes, and Streams – Eric Calabro, Kate Kirkpatrick, and Bethany Matousek, EGLE	(45 min) Current legal issues impacting inland lakes in Michigan – William Carey, Carey and Jaskowski PLLC and Dane Carey, Kuhn Rodgers PLC  (45 min) Portage Lake 2,700' Natural Shoreline Restoration, Protection and Habitat Improvement through introduction of Woody Structure – Craig Kivi, Natural Shorelines Forever	
4:30	END OF DAY			

## Friday, September 16, 2022 – Michigan Inland Lakes Convention: Protecting Lakes Today for Tomorrow

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TIME	WORKSHOP 4: ECONOMICS AND LAKES	SESSION 12-14: PLANTS, BACTERIA, SNAILS	90 MINUTE SESSION 14: LAKE PROTECTION	90 MINUTE SESSION 15: FISHERIES
	Moderator: Bob Frey and Scott Brown	Moderator: Lois Wolfson	Moderator: Joe Nohner	Moderator: Emily Martin
9:00 am - 10:30	An Assessment of the Economic Contributions of Michigan's Inland Lakes	Rare Aquatic Plant Species in Michigan: An overview of their Identification, Habitat Preferences, and Status – Elizabeth Haber, Michigan Natural Features Inventory	Protecting lakes through watershed management: Examples from Michigan, Wisconsin, and Minnesota – Heather Baird, Minnesota Department of Natural Resources; Pamela Toshner, Wisconsin Department of Natural Resources; Sarah Nelson, Barry Conservation District	Sturgeon in Michigan: Science, Management, and Cultural Importance – Ed Baker, MDNR; Kim Scribner, Michigan State University; Emily Martin, MDNR; Gary Michaud, Little Traverse Bay Bands of Odawa Indians; and Corey Jerome, Little River Band of Ottawa Indians
	Michigan Lakes: What are the Numbers – Ralph Bednarz, MDEQ Limnologist (retired); The Rennie Lake Association	Monitoring enteric bacteria contamination in a freshwater watershed in Northern, MI using qPCR and a community participatory research framework – Kelsey Froelich, School of Public Health, University of Alberta		
	Social and Economic Benefits of Shoreline Restoration: Muskegon Lake as a Case Study – Alan Steinman, Grand Valley State University	A novel schistosome species hosted by Planorbella (Helisoma) trivolvis is the most widespread swimmer's itch-causing parasite in Michigan inland lakes –		

		Deana Soper, University of Dallas (Texas)		
10:30 - 10:45	Break			
10:45 - 12:15 PM	WORKSHOP 4 (continued): ECONOMICS AND LAKES	90 MINUTE SESSION 16: CITIZEN SCIENCE	90 MINUTE SESSION 17: INVASIVE SPECIES	LIGHTNING TALKS
		Moderator: Paul Sniadecki	Moderator: Jason Frenzel	Moderator: Jo Latimore
	<p>The Economic Value of Michigan's Inland Lakes: A Literature Review – Scott Brown, Michigan Waterfront Alliance</p> <p>Significance of Inland Water and State Parks – Ron Olson, MDNR</p>	<p>Lake Associations &amp; Citizen Science - Protecting Lakes Today for Tomorrow – Paul Sniadecki, Michigan Lakes and Streams Association; Lori Mroczek, Eagle Lake</p> <p>Sue Carmichael, Eagle Lake; and Lon Nordeen and Dr. Charlyn Partridge, MLSA Board Directors</p>	<p>Challenges, successes, and lessons learned in surveying for the aquatic invasive species, European frog-bit, in an urban setting – Jason Frenzel and Kate Laramie, Huron River Watershed Council; Eric Diesing, Clinton River Watershed Council; and Sam Davis, Friends of the Rouge</p>	<p>A series of 5-minute presentations highlighting lake organizations and breaking research. See last page for full list of presentations and speakers.</p>
12:15 - 1:15 PM	LUNCH			



1:15 pm - 2:45		90 MINUTE SESSION 18: ALGAL BLOOMS AND HABS	90 MINUTE SESSION 19: SHORELINE TRENDS	90 MINUTE SESSION 20: LAKE RESTORATION
		Moderator: Melissa DeSimone	Moderator: Ralph Bednarz	Moderator: Paul Hausler
		Cyanobacteria monitoring of inland waterbodies in Michigan – Aaron Parker, EGLE and Rick Rediske, Grand Valley State University	Inland Lake Shoreline Trends and Analysis – Gary Kohlhepp, Chad Fizzell, and Eric Calabro, EGLE	Inland Lake Restoration; Establishment of a LMP (Lake Management Plan), lake management case studies, phosphorus mitigation for the future – Rick Buteyn, Progressive AE, Jason Broekstra, PLM Lake & Land Management Corp, and Pamela Dugan, SePRO Corporation
2:45 – 3:00	Break			

3:00 - 4:30	SESSION 15: LAKE TRIVIA & AWARDS	SESSIONS 16-18: Invasive Plant Species	SESSIONS 19-21: LAKE ISSUES	90 MINUTE SESSION 21: SEPTIC SYSTEMS AND SEWERS
	Moderator: Dan Olree	Moderator: Paul Hausler	Moderator: Lois Wolfson	Moderator: Bindu Bhakta
	LAKE TRIVIA  Michigan Inland Lakes Convention Trivia – Presented by Lindsey Ruppert and Dan Olree, Northwestern Michigan College	Progress toward eradication of Parrot Feather and Yellow Floating Heart in Michigan – William Keiper, Sarah LeSage, and Tom Alwin, EGLE	Could Recent Development of Thick Benthic Microalgal Mats in Oligotrophic Lakes Be Caused by Lower Lake Phosphorus? – R. Jan Stevenson, Michigan State University	Wastewater management along inland lakes: impacts, alternative on-lot/off-lot systems, and example septic to sewer projects in Michigan – Larry Stephens, Michigan Onsite Wastewater Recycling Association and

	SHOWCASING CONVENTION CONTEST WINNERS Photography and Creative Arts Awards Presented by Lindsey Rupert and Dan Olree, Northwestern Michigan College	Control Methods for Eurasian Watermilfoil in Lake Leelanau – Annalise Povolo, Lake Leelanau Lake Association and Grand Traverse Band of Ottawa and Chippewa Indians, Ronald Reimink, Freshwater Solutions, LLC, and Dan Mays, Grand Traverse Band of Ottawa and Chippewa Indians	Differences in Rural and Urban Lakes and Implications for Management – Jennifer Jermalowicz-Jones, Restorative Lake Sciences LLC	Stephens Consulting Services; Mike Stephens, Wastewater Product Manager, Milan Engineered Systems/Milan Supply/Valley Farms Supply; Joel Kwiatkowski, Bay County Health Department
		Expansion of European Frog-bit in Michigan: Response at Reeds and Fisk Lake Case Study – William Keiper, EGLE	Lawns and Lakes: Managing Lawns while Preserving Water Quality – Kevin Frank, Michigan State University	
4:30	END OF CONVENTION - ADJOURN			

#### **FIVE-MINUTE LIGHTNING TALKS**

<b>Speaker</b>	<b>Organization</b>	<b>Topic</b>
Ralph Bednarz	Rennie Lake Association	<b>Libraries Love Lakes – The 2022 TADL</b>
Elizabeth Belanger	Lake Superior State University	<b>Use of an Aquatic Remotely Operated Vehicle to Assess Relative Abundance of Fish and their Relations to Water Quality Variable</b>
Melissa DeSimone	Michigan Lakes and Streams Association	<b>Michigan Lakes and Streams Association</b>

Paige Filice	Michigan State University Extension	<b>Keeping aquarium and garden pets and plants out of Michigan's inland lakes</b>
Julia Kirkwood	MI Dept of Environment, Great Lakes and Energy (EGLE)	<b>Michigan Natural Shoreline Partnership</b>
Julia Kirkwood	EGLE	<b>Michigan Shoreland Stewards Program</b>
Julia Kirkwood and Joe Nohner	EGLE and Michigan Department of Natural Resources (MDNR)	<b>Grant Fund Options for Inland Lakes</b>
Joe Nohner	MDNR	<b>Midwest Glacial Lakes Partnership: Science, Outreach, and Conservation funding lake ecosystem management</b>
Jo Latimore	Michigan State University	<b>Introduction to Lakes Online: A course from MSU Extension</b>
Paul Steen	Michigan Clean Water Corps	<b>Cooperative Lakes Monitoring Program Annual Results</b>
Sally Wenczel	West Bloomfield Parks & Recreation Commissioner	<b>Eat Your Freedom Lawn</b>
Lois Wolfson	Michigan State University	<b>McNALMS Promotes Protection of Michigan's Inland Lakes</b>