

MiCorps Monitoring Michigan's Water Quality

Working Together for Healthy Lakes 2024 Joint Conference







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Working Together for Healthy Lakes 2024 Joint Conference

The Michigan Inland Lakes Convention takes place every two years, and serves lake enthusiasts, researchers, managers, and educators. It is hosted by the Michigan Inland Lakes Partnership, and this year we are convening in partnership with the Michigan Clean Water Corps (MiCorps), our statewide volunteer lake and stream monitoring program. The theme of the Convention is "Working Together for Healthy Lakes". Thank you for joining us to learn and share the latest innovations and ideas in lake stewardship and to connect with others who share your passion for Michigan's water!

Michigan Inland Lakes Partnership

The Michigan Inland Lakes Partnership is a collaboration of diverse organizations with a common mission to advance stewardship of Michigan's inland lakes. The Partnership engages state and local agencies, Native American Nations, outreach institutions (universities and other educational institutions), non-governmental organizations, businesses, industries and citizens in a collaborative effort to ensure the quality, sustainability and ecological diversity of lakes, while considering society's needs. The following organizations are the decision-making body of the Partnership: Michigan Lakes and Streams Association, Michigan State University Extension, Michigan Aquatic Managers Association, Michigan Chapter of the North American Lake Management Society, Michigan Department of Environment, Great Lakes, and Energy, Michigan Department of Natural Resources, Michigan State University Institute of Water Research, Michigan Waterfront Alliance, and the Midwest Aquatic Plant Management Society. More information about the Partnership is available at canr.msu.edu/michiganlakes.

Michigan Clean Water Corps

The Michigan Clean Water Corps (MiCorps) is Michigan's statewide volunteer water monitoring program. The program collects high-quality meaningful data, educates and informs the public, and fosters water stewardship. It is comprised of three programs: Volunteer Stream Monitoring Program, Cooperative Lakes Monitoring Program, and the Volunteer Stream Cleanup Program. Interested in joining hundreds of other dedicated volunteers across the state? Consider attending the MiCorps sessions on Thursday to learn more and connect with program coordinators and other volunteers. More information about MiCorps is available at www.micorps.net.



Agenda At-A-Glance

Wednesday, October 2

5:00 - 9:00 PM	Registration
7:00 - 9:00 PM	Welcome Reception (Appetizers and Beverages)

Thursday, October 3

8:00 AM - 8:00 PM	Registration
8:00 - 9:00 AM	Continental Breakfast
9:00 - 9:15 AM	Convention Welcome
9:15 - 10:15 AM	Plenary: Dr. Stephen K. Hamilton
10:15 - 10:30 AM	McNALMS Niles R. Kevern Lifetime Achievement Award
10:30 - 10:45 AM	Break
10:45 - 12:15 PM	Concurrent Sessions
12:15 - 1:30 PM	Lunch
1:30 - 3:00 PM	Concurrent Sessions and Workshops
3:00 - 3:30 PM	Break
3:30 - 5:00 PM	Concurrent Sessions and Lightning Talks
6:00 - 8:00 PM	Evening Reception (Appetizers and Beverages)

Friday, October 4

8:00 AM - 4:00 PM	Registration
8:00 - 8:30 AM	Continental Breakfast
8:30 - 9:30 AM	Plenary: Sheri McWhirter
9:30 - 10:00 AM	Break
10:00 - 11:30 AM	Concurrent Sessions and Workshop
11:30 - 1:00 PM	Lunch
1:00 - 2:30 PM	Concurrent Sessions and Workshop
2:30 - 3:00 PM	Break
3:00 - 4:30 PM	Concurrent Sessions and Workshops
4:30 PM	End of Convention

Wednesday, October 2

5:00 - 9:00 PM	Registration - outside the Atrium
7:00 - 9:00 PM	Welcome Reception (Appetizers and Beverages) - <i>Atrium</i> Sponsored by EutroPHIX

Thursday, October 3

8:00 AM - 8:00 PM	Registration - outside the Atrium
8:00 - 9:00 AM	Continental Breakfast - Ballroom
9:00 - 9:15 AM	Convention Welcome - Ballroom
9:15 - 10:15 AM	Dr. Stephen K. Hamilton Reflections on my Career as a Limnologist at Michigan State University This talk will emphasize Dr. Hamilton's freshwater research experiences in Michigan, including various studies of wetland, stream biogeochemistry and ecology, and zebra mussels in lakes. Dr. Hamilton has also studied sustainable agriculture in Michigan, and tropical floodplain ecosystems of Brazil, Venezuela, and Australia. He currently resides in Lake Leelanau. Dr. Hamilton was a Professor of Ecosystem Science at Michigan State University's Kellogg Biological Station from 1995–2022. He is also a Senior Scientist Emeritus at the Cary Institute of Ecosystem Studies.
10:15 - 10:30 AM	McNALMS Niles R. Kevern Lifetime Achievement Award
10:30 - 10:45 AM	Break

MDARD Pesticide Applicator Recertification Credits

By attending select presentations you can earn up to 7 Pesticide Applicator Recertification Credits from the Michigan Department of Agriculture and Rural Development. The credits can be used for Category 5 (aquatic).

Only sessions with this symbol \overleftrightarrow are approved. You must attend at least 1 hour worth of presentations for each credit. 1 hour = 1 credit.

If you would like to receive credit for your participation in these select sessions, complete a brief form by **Oct. 13** indicating your attendance. Scan the QR code or visit: bit.ly/milc2024mdard



Thursday, October 3

	Grand Centennial Ballroom	Cheboygan & Harbor Springs Room	Saugatuck & Traverse City Room	Petoskey & Mackinac Room	Rosa Parks & Grand Rapids Room
	MICORPS: 50 YEARS OF THE COOPERATIVE LAKES MONITORING PROGRAM	INVASIVE SPECIES	HABS, SEPTIC SYSTEMS, AND PUBLIC HEALTH	DNR FISHERIES MANAGEMENT	MICORPS NETWORKING: STREAM MONITORING
	Moderator: Jo Latimore	Moderator: Tom Alwin	Moderator: Heather Triezenberg	Moderator: Joe Nohner	Moderator: Tamara Lipsey
10:45 AM	The Cooperative Lakes Monitoring Program Celebrates 50 Years of Discovery - Jo Latimore	European Frog-Bit: From Collaborative to CISMAs to You - Tom Alwin	Harmful Algal Bloom Risk Perception and Community Engagement - Heather Triezenberg	DNR Assessments and Management - Matt Diana	
11:15 AM	Our Dynamic Lakes: Characteristics and Long-Term Changes in Michigan's Inland Lakes - Erick Elgin	Eradicating Yellow Floating Heart and Parrot Feather in Michigan - Billy Keiper	Measuring Michigan Lake Management Companies' Knowledge, Attitudes, and Practices of Harmful Algal Blooms - Susan Peters	Michigan DNR Sunfish Management: Sunfish Management Survey and Plan - Matt Diana	A Facilitated Networking Discussion Between MiCorps Volunteer Stream Monitoring Program Leaders - Tamara Lipsey
11:45 AM	Cooperative Lakes Monitoring Program Panel – Ask Us Anything! - CLMP Team	Didymo? How About Didy-Less. Collaboration and Citizen Science to Combat Rock Snot in Michigan - Jordyn Stoll	At Least 15 Reasons Why We Desperately Need a Uniform Statewide Onsite Wastewater Code in Michigan - Larry Stephens	Fish Habitat: Threats and Management Activities - Joe Nohner	
2:15 - 1:30 PM	Lunch - Ballroom				

12:15 - 1:30 PM Lunch - Ballroom

Looking for more details about a session?

The Convention website features session abstracts and contact information for the speakers.

Scan the QR code or visit: canr.msu.edu/michiganlakes/convention



Thursday, October 3

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	Grand Centennial Ballroom	Cheboygan & Harbor Springs Room	Saugatuck & Traverse City Room	Petoskey & Mackinac Room	Rosa Parks & Grand Rapids Room
	MICORPS VOLUNTEER STREAM MONITORING PROGRAM: OVERVIEW AND HIGHLIGHTS	INVASIVE SPECIES	GIS AND REMOTE SENSING FOR LAKE MANAGEMENT	WORKSHOP: FUNDING FOR LAKE CONSERVATION	WORKSHOP: FRESHWATER ALGAE
	Moderator: Paul Steen	Moderator: Kevin Walters	<i>Moderator: Eric Calabro</i>	Moderator: Bob Frye	Moderator: Lois Wolfson
1:30 PM	Twenty Years of Stream Monitoring with the Michigan Clean Water Corps - Paul Steen	Addressing Data Gaps to Inform Management of Dreissenids for Protection of Native Mussels in Michigan's Inland Lakes - Michael Hilary	Harvesting, Building and Analyzing Lake-Specific GIS Data - Bob Goodwin	Lake Awareness Day Partners: Five Steps to Achieving Healthy Inland Lakes in Michigan 1. Impacts of Inland Lakes on Michigan's Economy - Scott Brown	
2:00 PM	Muskegon Conservation District MiCorps Monitoring - Sabrina Huizenga	Clean Boats, Clean Waters - Preventing Aquatic Invasive Species One Boat at a Time - Kevin Walters	Lake Charlevoix Shoreline Inventory: Landscape Level Resource Assessment, Cumulative Impacts, and Status and Trends - Chad Fizzell	 2. Voluntary Tax Contributions to Support Inland Lakes Jennifer McKay 3. The Need for a Statewide Septic Code to Address Inland Lake Issues Megan Tinsley 	The Good, The Bad, and The Slimy: An Introduction to the Ecology and Identification of Freshwater Algae in Michigan - Julianne Heinlein
2:30 PM	Gogebic Black River Watershed Stream Monitoring - Maxwell Ramsay	Comparison of Boat Cleaning Systems: Invasive Species Removal, Boater Engagement, and Cost - Jo Latimore	Satellite-Derived Lake Water Quality Data Using an Automated High-Performance Computing Environment for Michigan - Leif Olmanson	 4. Increasing Stormwater Management Using Best Management Practices Paul Hausler 5. Administration Support for Michigan's Inland Lakes 	- Julianne Heinlein
				- Bob Frye	

Thursday, October 3

	Grand Centennial Ballroom	Cheboygan & Harbor Springs Room	Saugatuck & Traverse City Room	Petoskey & Mackinac Room		
	MICORPS VOLUNTEER WATER QUALITY MONITORING	HYDRILLA IN MICHIGAN	LAKE MANAGEMENT	IMPACTS ON WATER QUALITY		
	Moderator: Paul Steen	Moderator: Billy Keiper	Moderator: Paul Hausler	Moderator: Lois Wolfson		
3:30 PM	Adopt A Stream: Retaining and Recruiting Long Term and Episodic Volunteers - Heather Smith	Early Detection and Rapid Delimitation Surveys for Hydrilla in Southwest Michigan - Alex Florian	Reduction of Nutrients and Solids to an Inland Lake with the Use of Biochar: A Promising Lake Restoration Tool - Jennifer Jermalowicz-Jones	Salinization of Our Inland Lakes: A Potential Ticking Time Bomb - Al Steinman		
4:00 PM	The Healthy Lakes Initiative - Kate Laramie	Designing a Robust Outreach Response to New Invasive Discoveries - Paige Filice	Climate Change: Effects on our Inland Lake Fisheries and Strategies for Adaptation - Joe Nohner	Some Recent Patterns of Recreational Water Quality in Michigan's Inland Lakes - James Mcnair		
4:30 PM	Collaboration in Community Science: Win- Win Partnerships for Watersheds - Erin Pavloski	An Update on Hydrilla Response Efforts in Michigan - Billy Keiper	Outreach and Innovative Best Management Practices in Mill Creek - Matt Bain	5 Minute Lightning Talks See list of talks below		
5:00 - 6:00 PM	Break					
6:00 - 8:00 PM	Evening Reception (Appetizers and Beverages) - <i>Atrium</i> Sponsored by the Michigan State University Extension Center for Lakes and Streams					

5 Minute Lightning Talks

- Tell Your Story in the Michigan Riparian Magazine!
 - Melissa DeSimone
- Growing Appreciation for Lakes Through the MSU Extension Introduction to Lakes Online Course
 - Paige Filice
- Using Sentinel-3 OLCI Imagery to Quantify Methane Emissions from Michigan's Estuaries
 - Jillian Greene
- Incorporating Certified Cleaning/Personal Care Products into Lake Management Systems
 - Lisa Henderson
- Winning the War with Invasive Species - Wayne Hodges
- Finding Natural Shoreline Resources
 - Julia Kirkwood

Friday, October 4

3:00 AM - 4:00 PM	Registration - outside the Atrium					
8:00 - 8:30 AM	Continental Breakfast - Ballroom					
				Sheri McWhirter The Public Does Care About Science News		
8:30 - 9:30 AM				Attention spans are short and news cycles move fast. But it turns out that people do care about environmental and science news. You simply need the right equation.Sheri McWhirter is a climate reporter for MLive Medi Group who has covered environmental issues for most of her more than 20-year career. Her recent work is focused on climate change and biodiversity loss, and the energy transition to renewable sources		
9:30 - 10:00 AM	Break					
	Grand Centennial Ballroom	Cheboygan & Harbor Springs Room		ıgatuck & se City Room	Petoskey & Mackinac Room	Rosa Parks & Grand Rapids Roor
	WATERSHED CONSERVATION	ZEBRA AND QUAGGA MUSSELS	COMMUNITY STEWARDSHIP		WAKE BOATS	WORKSHOP: AQUATIC INVASIVE PLANT IDENTIFICATION
	Moderator: Julia Kirkwood	Moderator: Paul Hausler		derator: ge Filice	Moderator: Melissa DeSimone	Moderator: Erick Elgin
10:00 AM	Getting Your Feet Wet: An Overview of the Why, How and Who for Watershed Management - Julia Kirkwood	Data Review to Objectively Characterize Changes in Water Quality Trends Related to Zebra	Lake Leelanau Shoreline Ambassadors - Helping Improve the Shoreline One Property at a Time - Annalise Povolo		A Literature Review of Wake Boat Effects on Aquatic Habitat - Joe Nohner	Watch List Aquatic Plant Hands On Training
10:30 AM	Dive into the Details: Methods for Identifying	Mussel Infestation - Paul Hausler	How to Get Your Neighbor to Build a Rain Garden -	The Property Owner Perspective and Actions to Take		
	Sources andBehavior ChangeProblemsfor the Social Go- Jack CotroneDo Dreissenids		Social Good	- David Maturen and Cliff Bloom	- Billy Keiper	
11:00 AM	Setting Sail: Putting Your Approved Watershed Plan to Work	Influence Lake Trophic Status Metrics? - Mark Luttenton			Guided Discussion on Wake Boat Issues - Melissa DeSimone	
	- Teresa Salveta					

Friday, October 4

	Grand Centennial Ballroom	Cheboygan & Harbor Springs Room	Saugatuck & Traverse City Room	Petoskey & Mackinac Room	Rosa Parks & Grand Rapids Room
	WATERSHED CONSERVATION	AQUATIC PLANTS AND WILD RICE	LOCAL CONSERVATION	LAKE MANAGEMENT TOOLS	WORKSHOP: AMPHIBIANS AND REPTILES
	Moderator: Joe Nohner	Moderator: Jo Latimore	Moderator: Melissa DeSimone	Moderator: Eric Calabro	Moderator: Paige Filice
1:00 PM	Conservation Easements: Protecting our Rivers and Lakes - Julia Kirkwood	Point Intercept Sampling for Aquatic Macrophytes in Northern Michigan Inland Lakes - Jeremy Hartsock	Working with Local Government to Protect and Improve Inland Lakes - Amanda Knutson	A Practical Guide for Genetic Surveys in Eurasian Watermilfoil Management and Initial Insights on Rapid Herbicide Assays - Ryan Thum	
1:30 PM	Midwest Glacial Lakes Partnership Conservation Planner: A Tool to Understand Your Lake's Watershed - Joe Nohner	The Relationship Between Manoomin and the Anishinaabe - Roger Labine	Cleaning the Boardman River Required a Doctor - Steve Largent	Inland Lake Shoreline Assessment Tool and Best Management Practices in Michigan - Eric Calabro	Conservation and Best Management of Amphibians and Reptiles in Inland Lake Systems - David Mifsud
2:00 PM	Lake Watershed Management for Climate Resilient Fishes - Joe Nohner	The Michigan Wild Rice Initiative and the Recently Passed Manoomin Bill - Roger Labine	Regional Meetings 2.0: Bringing Back Local Networking! - Melissa DeSimone		
2:30 - 3:00 PM	Break		-		

Welcome to Grand Rapids

From world-class attractions and outdoor recreation to nationally ranked food and craft beverage scenes – there is a lot to see and do in Grand Rapids! Learn more about the city, events, and dining options at ExperienceGR.com.



Friday, October 4

	Grand Centennial Ballroom	Cheboygan & Harbor Springs Room	Saugatuck & Traverse City Room	Petoskey & Mackinac Room	Rosa Parks & Grand Rapids Room
	WATERSHED CONSERVATION	PEOPLE AND LAKES	RIPARIAN LAW AND RIGHTS	WORKSHOP: MACROINVERTEBRATE IDENTIFICATION	WORKSHOP: AMPHIBIANS AND REPTILES
	Moderator: Joe Nohner	Moderator: Lois Wolfson	Moderator: Bob Frye	Moderator: Tamara Lipsey	Moderator: Paige Filice
3:00 PM	Forest to MI Faucet Program - Mike Smalligan	Getting to Know Pickerel Lake: Multi- Media Exploration of a Small Aquatic Plant Dominated Inland Lake - William Brown			
3:30 PM	Lake Boards and Other Mechanisms for Locally-driven Conservation: Examples from Newaygo County - Dale Twing	Shallow Lakes Don't Stink - Colleen Gleason	Michigan Riparian and Littoral Boundaries and Access Rights - William and Dane Carey	Introduction to Aquatic Macroinvertebrate Taxonomy and R.A.I.L. Project App Support for Identification - Keith Piccard	(con't) Conservation and Best Management of Amphibians and Reptiles in Inland Lake Systems - David Mifsud
4:00 PM	Project Clarity: Restoring a Watershed Through Community Collaboration - Travis Williams				
4:30 PM	End of the Michigan Inland Lakes Convention We hope to see you in 2026!				

Share your feedback

Please take our survey and share your recommendations for next time. We greatly appreciate your participation and look forward to successful events in the future with the help of your input.



Scan the QR code or visit: bit.ly/milc2024survey

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ENSURING THE FUTURE OF OUR LAKES AND STREAMS IS BRIGHT

MICHIGAN STATE UNIVERSITY Extension Center for Lakes and Streams

Our mission is to advance the conservation and stewardship of Michigan's inland lakes and streams through engagement, education, and research.

FOCUS AREAS

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MICHIGAN DEPARTMENT OF NATURAL RESOURCES

- » Protecting and enhancing Michigan's aquatic life and habitats for the benefit of current and future generations.
- Providing world-class freshwater fishing opportunities, supported by healthy aquatic environments, which enhance the quality of life in the state.

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EGLE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Our Mission: To protect Michigan's environment and public health by managing air, water, land, and energy resources



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Michigan Aquatic Managers Association

Dedicated to the Professional Management of Michigan's Aquatic Resources

The purpose of the Association shall be to:

- Assist in promoting the management of aquatic vegetation
- Provide for the scientific and educational advancement of members
- Encourage scientific research
- Promote an exchange of information among members
- Extend and develop public interest in the discipline
- Participate in any legislative procedures at any level of government that oversees the use and/or enforcement of the laws, regulations, policies, guidance, and findings governing the use of aquatic pesticides or other forms of aquatic plant management in the waters of the State of Michigan

Membership

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Michigan Inland Lakes Convention Code of Conduct

The Michigan Inland Lakes Partnership seeks to provide a safe and productive meeting environment that fosters the exchange of ideas, is free of harassment and discrimination of any type, and provides equal opportunities and treatment for all participants. The Partnership is committed to the highest standards of integrity and professional conduct, and participants in Partnership events must ensure that their actions and communications adhere to principles of truth and fairness. Free and open discussion and debate are essential to productive interaction, and this policy does not discourage such debate. Presenters, exhibitors, and all event participants are expected to treat everyone with respect and consideration, follow venue rules, and alert the planning committee or event staff of any dangerous situations, violations of this code of conduct, or if anyone is in distress. Further, the Partnership requires presenters to disclose potential conflicts of interest, including funding sources. Anyone requested to stop unacceptable behavior is expected to comply immediately or will be asked to leave without refund.



Sheraton Grand Rapids Airport Hotel Map

Keep in touch!



Convention participants are added to our mailing list and will occasionally receive updates.



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Convention Committee

The following individuals served on the organizing committee for the 2024 Michigan Inland Lakes Convention: Ralph Bednarz (MDEQ, retired; Rennie Lake Association), Kelsey Bockelman (MSU Extension), Jason Broekstra (PLM Lake and Land Management Corp.), Scott Brown (Michigan Waterfront Alliance), Eric Calabro (EGLE), Melissa DeSimone (Michigan Lakes and Streams Association), Erick Elgin (MSU Extension), Paige Filice (MSU Extension), Paul Hausler (Progressive Companies), Megghan Honke Seidel (MSU Extension), Julia Kirkwood (Co-chair, EGLE), Jo Latimore (Co-chair, MSU), Tamara Lipsey (EGLE), Joe Nohner (DNR), Greg Peter (Michigan United Conservation Clubs), Renae Siler (MSU Extension), Kevin Walters (EGLE), and Lois Wolfson (MSU).