



Photo by Scott Brown

Welcome to the Michigan Waterfront Alliance
Update for Wednesday, March 15th, 2023



Michigan Waterfront Alliance (MWA) is a 501(c) 4 non-profit corporation formed over twenty years ago in order to effectively advocate for the creation or preservation of state laws, and/or policies designed to protect, preserve, and promote the sustainable and wise use of our state's immense treasure of high quality freshwater resources. Our primary mission will be accomplished by pro-active participation in Michigan's legislative process (lobbying), by participating in court cases whose outcomes may have significant statewide ramifications, and/or by direct involvement with natural resources management, or environment focused state agencies or departments.





Barker's Island beach in Superior, Wis., was closed in 2021 due to a toxic algae bloom at the Lake Superior beach. Photo credit: BROOKS JOHNSON, STAR TRIBUNE

EPA scientists say lakes vulnerable to toxic algae blooms can be seen from space

A pigment in dangerous bacteria can help forecast outbreaks before they start.

The stew of bacteria that befouls some Minnesota lakes every summer and fall, poisoning dogs and closing beaches, also produces a unique pigment that can be seen from space.

Scientists believe they can now better forecast toxic outbreaks on lakes using satellites to detect the shade of green that cyanobacteria creates in water. A [recent study](#) from the Environmental Protection Agency paired satellite images with historical field data on more than 2,000 lakes across the country. It showed how the technology can be used to spot the lakes that are most at risk and prioritize where federal and state water managers need to take action, increase monitoring or close beaches.

"What's so exciting about this is that we can now distinguish cyanobacteria from more general algae or things like chlorophyll a," said Amalia Handler, EPA biologist and lead author. "There are so many lakes in a given state or area, so we need to know where is there greater or lesser risk."

The study found that by measuring the size and mass of a visible cyanobacteria outbreak in a lake, the EPA can start to predict how likely a dangerous toxic event will be.

Cyanobacteria outbreaks — also called blue-green algae outbreaks — have become so widespread that viewing them from space may offer state and federal agencies the best chance at tracking and monitoring them.

They have been increasing in nearly every part of the country over the last 20 years. The pests, which need sunlight and warm water full of nitrogen and phosphorus, now bloom and take over waters ranging from New York to California, and from Lake Okeechobee at the headwaters of the Florida Everglades to Lake Erie and other parts of the Great Lakes. They produce a toxin called microcystin.

[Click here](#) to read the rest of this article...

The Case for a Statewide Septic Code:

Michigan Must Inspect Septic Systems to Protect Fresh Water

12PM EDT | Tuesday, March 21, 2023



FLOW (For Love of Water) will host a webinar

The Case for a Statewide Septic Code: Michigan Must Inspect Septic Systems to Protect Fresh Water

Tuesday, March 21, 2023

from

12:00 PM to 1:00 PM EDT

FLOW Webinar-The Case for a Statewide Septic Code in Michigan

Date & Time: Mar 21, 2023 12:00 PM Eastern Time (US and Canada)

Webinar ID 885 0682 4738

Passcode 440100

The on-line session will offer legal, scientific, economic, and political perspectives on the urgent need and critical opportunity for Michigan to finally join the rest of the nation in adopting a law to protect public health and fresh water from septic pollution.

Billions of gallons of poorly or untreated sewage flow each year into an estimated 330,000 failed septic systems. An unknown amount of that raw sewage ends up in lakes, streams, and groundwater, the source of drinking water for 45% of Michigan's population.

FLOW Executive Director Liz Kirkwood will host the webinar, and Legal Advisor Skip Pruss will moderate the panel discussion with:

- State Rep. Phil Skaggs
- Dr. Joan Rose of Michigan State University
- Brad Ward, Legal and Policy Director of the Michigan Realtors

The online event is free and open to the public.

Learn more at
ForLoveOfWater.org





Photo by W. Scott Brown

National Lakes Assessment

The National Lakes Assessment (NLA) is a statistical survey of the condition of our nation's lakes, ponds, and reservoirs. It is designed to provide information on the extent of lakes that support healthy biological condition and recreation, estimate how widespread major stressors are that impact lake quality, and provide insight into whether lakes nationwide are getting cleaner.

Quick Links

- [NLA 2017 Results Infographic \(pdf\)](#) (73.45 KB)
- [Lakes Context Tool](#)
- Infographics about nutrients in lakes: [Should your lake be on a diet? \(pdf\)](#) (812.8 KB) and [When Good Algae go Bad 2017 \(pdf\)](#) (1.19 MB)

Basics of the NLA

- [Background of the NLA](#)
- [Field and Lab Manuals](#)

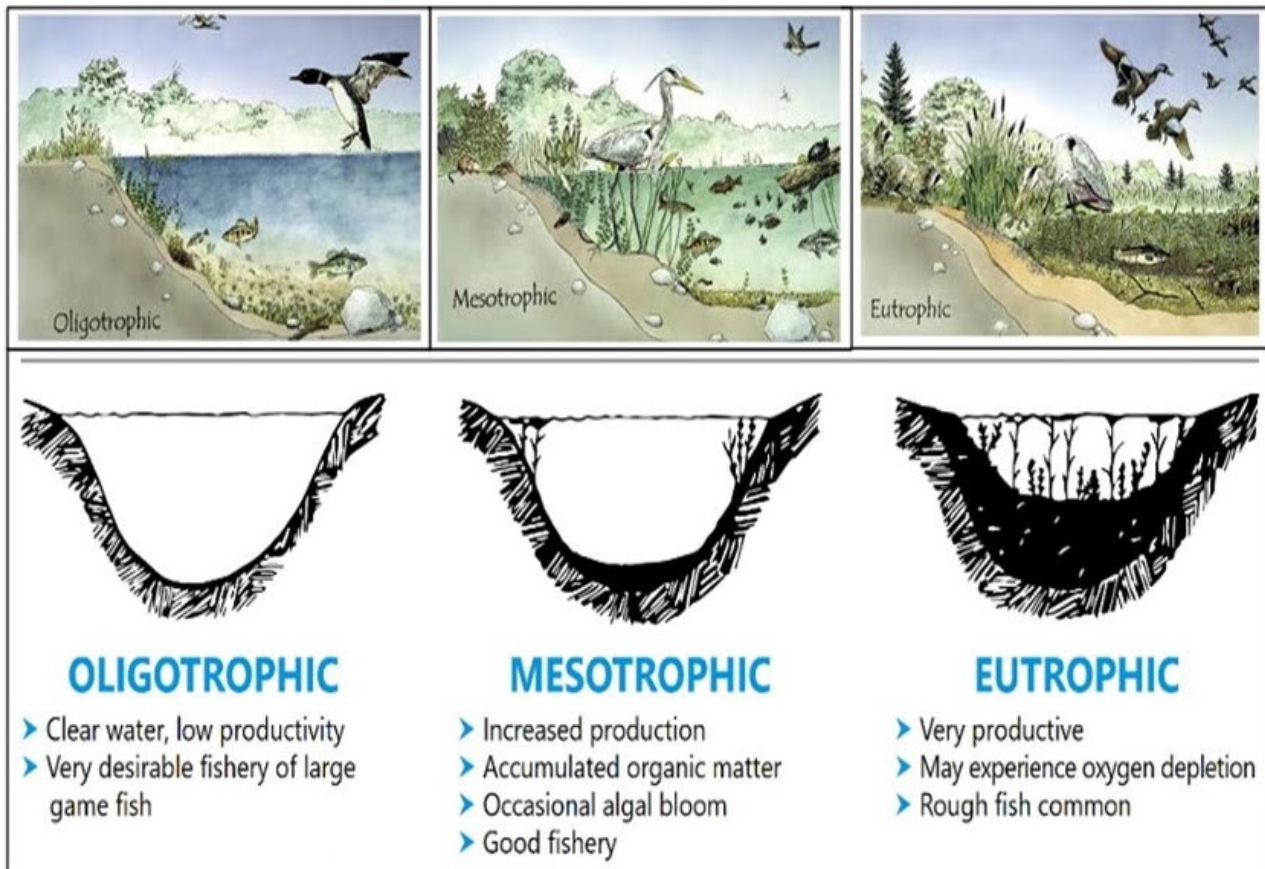
NLA Results

- [2017 NLA Results](#)

- [2012 NLA Results](#)
- [2007 NLA Results](#)

Explore the Data

- [NLA 2017 Dashboard](#)
- [Download Data](#)
- [Lakes Context Tool](#)





NotMISpecies Webinar Series

Upcoming webinars in the series

Tuesday, March 21, 9:00 - 10:00 AM

Rowing the boat:

The Michigan Invasive Species Program 2022 year in review

The hearty crew of staff, partners and volunteers that make up the MISIP navigated through some rough waters in 2022 with new detections of beech leaf disease and spotted lanternfly in the state, but they also managed to make a lot of headway.

The program's communications coordinator, Joanne Foreman, will highlight response efforts, prevention, outreach and survey work undertaken in 2022 to protect Michigan's natural resources from the effects of invasive species.

To access previously recorded NotMISpecies Webinars

[click here](#)

REGISTRATION QUESTIONS:

Joel Roseberry: RoseberryJ@michigan.gov

Alana Berthold: BertholdA@michigan.gov



SHRINK-WRAP RECYCLING PROGRAM

This program provides boaters and marina operators with a cost-effective, environmentally friendly option for disposal of shrink-wrap.

WHAT IS SHRINK-WRAP?

Shrink-wrap (Low-Density Polyethylene or LDPE) is commonly used for protecting recreational boats from snow, ice, water and debris when stored outside during the winter. In the shrink-wrapping process, plastic is draped over the boat, secured by strapping and heated, which shrinks the plastic. The wrap creates a rigid plastic surface, thereby providing a protective covering strong enough to hold the weight of snow and ice and protecting the boat from the elements. In the spring, shrink-wrap is removed and often ends up in landfills.

PREPARING SHRINK-WRAP FOR RECYCLING Proper preparation and storage of shrink-wrap is key to preventing problems with recycling machinery that shreds the plastic.

- Step one: Remove strapping, lumber, nails, zippers and vents before packaging shrink-wrap for recycling. The doors and vents may be reusable next year.
- Step two: Keep the shrink-wrap as clean as possible, free from gravel and sand.
- Step three: Roll or bag the shrink-wrap, depending on your local program's requirements.

SHRINK-WRAP RECYCLING OPTIONS IN MICHIGAN

The Michigan Clean Marina Program has been working with marinas to recycle plastic shrink-wrap since 2007. Various recycling programs are available throughout the state: michiganrecycles.org/ag-plastics/



Photo by Scott Brown



Michigan Department of
Natural Resources

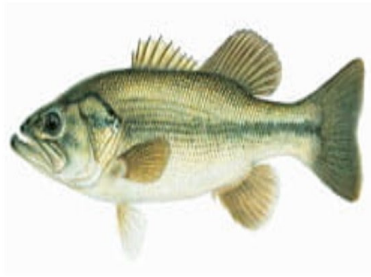
Caring for Michigan's outdoor places and stories since 1921

[Click here](#) to visit the MI Department of Natural Resources web page dedicated to learning how to identify the diverse array of fish species found in Michigan waters.

Fish Species



Atlantic Salmon

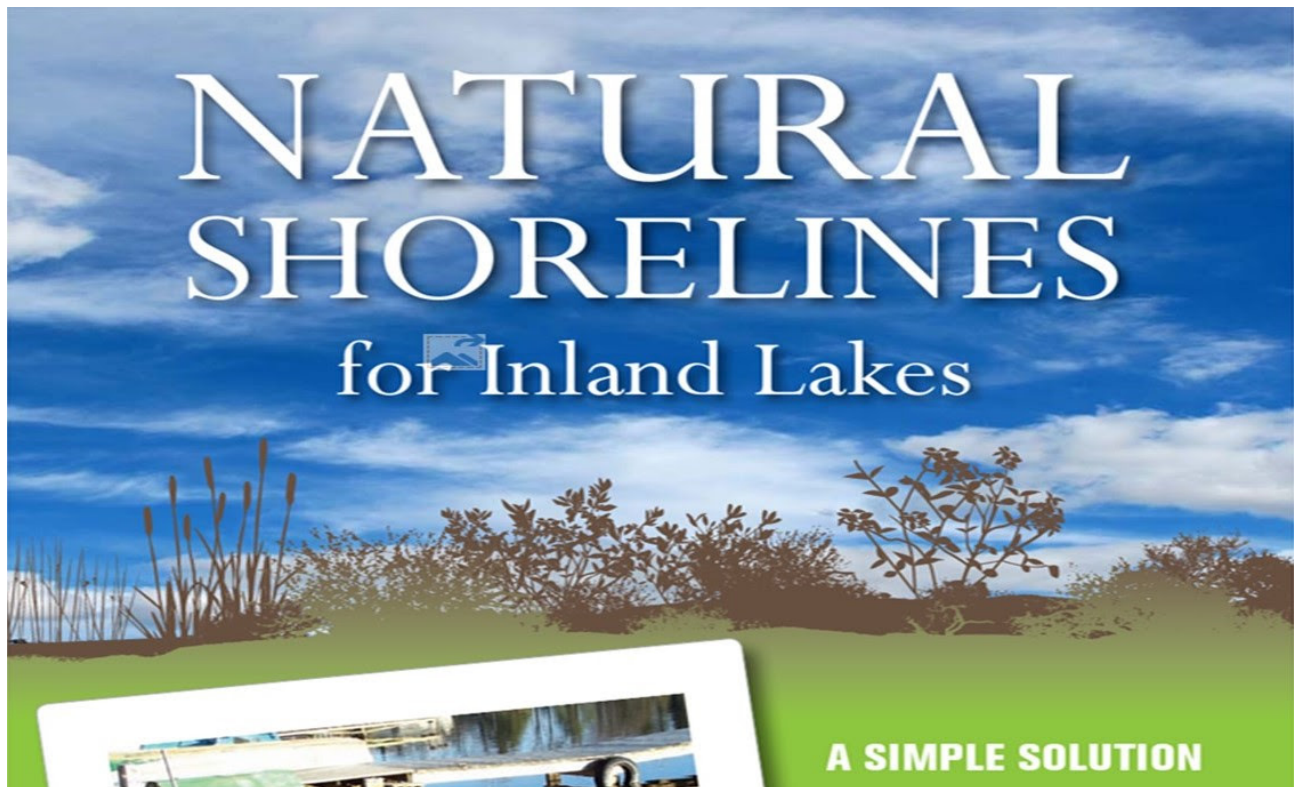


Bass - largemouth



Bass - smallmouth





The Michigan Natural Shoreline Partnership (MNSP), a collaboration of state agencies, academia, nonprofit organizations and private industry, was formed in 2008 with the belief that a change was necessary in shoreline development practices

in Michigan from high impacting methods that change the natural riparian condition to healthier and sustainable erosion control practices that:

- 1. Restore/Preserve the ecological function of the shoreline.*
- 2. Effectively stabilize shoreline erosion.*
- 3. Are attractive options to lakefront property owners.*

Partnership Objectives:

- 1. Train contractors and landscape professionals about shoreline technologies and bioengineered erosion control.*
- 2. Educate property owners about natural shorelines and technologies that benefit lake ecosystems.*
- 3. Research, demonstrate, and develop natural shoreline technologies that benefit lake ecosystems.*
- 4. Encourage local and state policies that promote natural shoreline management.*

MISSION:

Protecting Michigan lakes through conservation and restoration of natural shorelines.

<https://www.shorelinepartnership.org/>

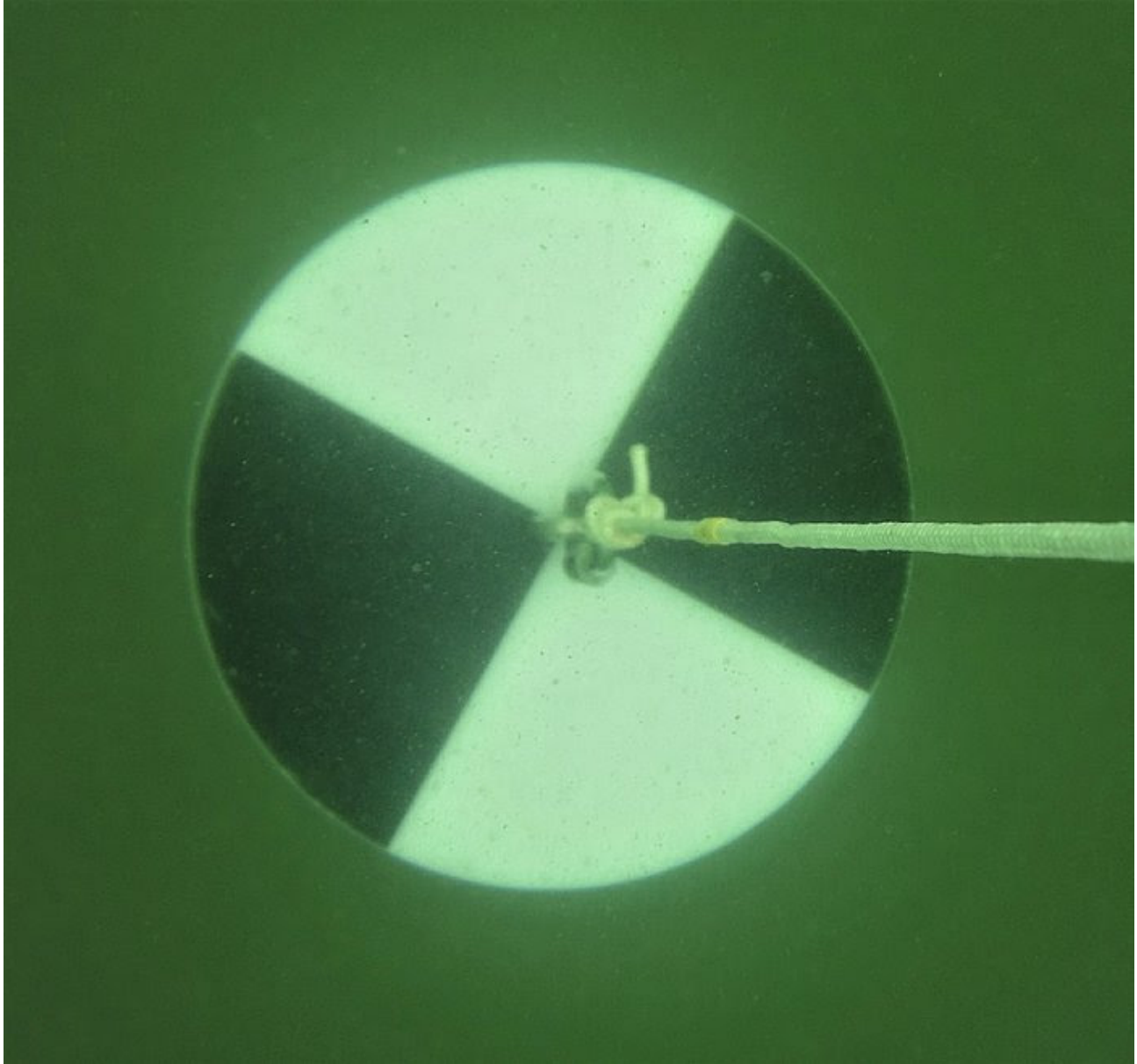


Photo by Scott Brown

McNALMS - MLSA 2023 Lake Research Student Grants Program Accepting Applications Until

5:00 PM EST, Friday, March 17, 2023

The Michigan Chapter North American Lake Management Society (McNALMS) and Michigan Lakes and Streams Association (MLSA) have announced their call for proposals for the 2023 Lake Research Student Grants Program. The purpose of the program is to promote student efforts to work with lakes and lake communities to enhance lake management.

Projects that increase the understanding of lake ecology, strengthen collaborative lake management, address inland lakes fisheries, build lake partnerships and/or expand citizen involvement in lake management are eligible for consideration. This year one or more grants will be awarded with a total of \$4,000 allocated to this year's program. Proposals will be funded for one calendar year. Projects must have a Michigan focus. A link to the application and grant proposal form is at the bottom of this page.

Who May Apply

- Applicants must be either:
- University/College graduate student(s) conducting applied research/outreach projects
- University/College undergraduate student(s) working on special studies projects or
- Participants enrolled in or recent alumni of the Michigan Lake and Stream Leaders Institute, Michigan Conservation Stewards Program, or similar Watershed Academy

All applicants must be members or enroll as members of McNALMS when their application is submitted. Membership is free for full-time students. Membership applications are available on the [Membership](#) page.

Grant Application Deadlines

The deadline for this year's [grant application](#) is Friday, March 17, 2023 at 5:00 PM EST. Awards will be announced in late April.

Funds Distribution

In most cases, the cash award will be donated to the Department or Program in which the student resides with the understanding that the funds are earmarked for that student. Funds can be used for hourly support/wages, supplies, and travel. Equipment purchases including computers, smartphones, tablets and similar devices are not allowed.

Uncompleted Projects

If projects are not completed in the one-year time frame, grant recipient(s) may be asked to return up to 50% of the grant funds awarded, if they have not been expended. Extensions of up to three months after the end date may be considered.

Project Renewals

Grant recipient(s) may submit a grant request in a subsequent year's grant process for additional funds to continue or expand their project.

Project Products

Grant recipients must send a 1-2 paragraph email to mcnalms@mcnalms.org indicating progress on the project after six months. At the end of the project period the grant recipient(s) must electronically submit a three to five page report detailing the project's goals, methods and results. Grant recipient(s) may be asked and are encouraged to present and discuss their project and results at a McNALMS or MLSA Conference, the Michigan Inland Lakes Convention or another educational event. Each project will be evaluated based on nine criteria. The evaluator can give the proposal a score of 0 to 10 based upon the strength of the proposal. A perfect score would be 90 points. The criteria are:

- Is the proposed research strongly related to inland lake ecosystems, lake management, collaborative lake management, lake partnerships or expand citizen involvement in lake management and have applicability to Michigan lakes?
- How significantly will the research add to the understanding of lake ecosystems or lake management knowledge, build lake partnerships or expand citizen involvement?
- Will the project have statewide interest or application to other lakes?
- Are the proposal's objectives logical?
- Is the research approach and methods valid?
- Is there adequate facilities/equipment available to conduct this research?
- Are there other funding sources available or proposed for this project?

- Can the work be completed in the allotted time frame?
- Does the budget reflect the amount of work proposed?

Project Submission

Download the Grant Application and Form fill in the application, and return it and your proposal by email to: mcnalms@mcnalms.org or by U. S. mail to:

Lake Student Grants Program
Michigan Chapter, NALMS
P. O. Box 4812
East Lansing, MI 48826

For further information, contact us at:
mcnalms@mcnalms.org; or call 517-230-9281.



If not **you**, then **who?**
We need **you!**

Michigan Waterfront Alliance (MWA) is the only all-volunteer non-profit organization in Michigan that is completely dedicated to reaching out on a daily, pro-active basis to our state representatives and senators in regards to their on-going need to act now to protect our precious inland lakes, wetlands, rivers, and streams.

Please do not expect other lake associations, other individuals, and other corporations to fund MWA's efforts in Lansing.

If **you** want your voice to be heard in Lansing **you** need to be the other lake association, the other individual, and the other **corporation** to make a generous contribution to helping fund our on-going efforts in Lansing.

Please don't count on others to support the only organization in Michigan that is completely dedicated to voicing your legitimate concerns to our state legislators in Lansing.

We hire professional lobbyists - **Karoub Associates** - who understand the intricacies of dealing with state government - to reach out to our legislators. As you might imagine, the cost of hiring a professional, highly respected Lansing-based lobbying firm whose downtown Lansing office's are located within a literal stone's throw of Michigan's state capitol building is expensive - we believe, however, that to have someone in constant contact with our state senators and representatives it is more than worth the significant on-going expense.

To put it in blunt "no ifs, ands, or buts" terms, without **your** generous support we will be unable to continue our erstwhile efforts in Lansing.

Please also remember that with the exception of a few relatively minor expenses related to keeping our website updated, and on-line, and a few relatively minor costs associated with distributing our e-newsletter, **all** of our membership and donation derived income goes to paying our downtown Lansing-based lobbying firm, and our attorneys. No exorbitant employee salaries or fringe benefit packages to pay!!!!!!!!!!

It is also important to note that last year **Michigan Waterfront Alliance** lawyers took a case all the way to the Michigan Supreme Court in order to get the State of Michigan to do it's job in protecting our lakes, rivers, streams, and wetlands.

Thank you for reading and considering this hopefully convincing appeal for donations - **no amount is considered too small** - all donations of money are happily received and acknowledged within the context of the generous spirit that prompted them!!!!!!!!!!

[Click here](#) to become a dues paying member of MWA

[Click here](#) to make a generous donation to MWA



March 1, 2023

Contact: [Erin Campbell](#), 269-300-9698 or [Joanne Foreman](#), 517-284-5814

State awards \$3.6 million for invasive species projects

The state of Michigan today announced that 35 projects will share \$3.6 million in grants through the [Michigan Invasive Species Grant Program](#).

The program – cooperatively implemented by the Michigan departments of Agriculture and Rural Development; Environment, Great Lakes, and Energy; and Natural Resources – addresses prevention, detection, eradication and control of aquatic (water-based) and terrestrial (land-based) invasive species in Michigan through four key objectives:

- Preventing the introduction of new invasive species.
- Strengthening the statewide invasive species early detection and response network.
- Limiting the spread of recently confirmed invasive species.
- Managing and controlling widespread, established invasive species.

This year's grantees have offered \$532,300 in matching funds and services to support these projects, leveraging a total investment of \$4,132,300.

Expanding prevention, detection and management

Grant funds will support several early detection and response efforts for [watch list invasive species](#):

- Continuing survey and treatment of hemlock woolly adelgid in Oceana, Mason, Benzie and other counties along the Lake Michigan shoreline.
- Surveying and creating “trap trees” for spotted lanternfly across the Huron-Clinton Metroparks in Oakland and Macomb counties.
- Refining the potential for early detection of didymo (rock snot) using environmental DNA and testing environmental variables that may lead to stalk-producing “blooms.”
- Coordinating red swamp crayfish surveys across the Clinton and Rouge river watersheds.
- Initiating outreach and monitoring for watch list tree pests and diseases on the Pokagon Band of Potawatomi Indians' tribal lands.
- Treating known locations of mile-a-minute weed and expanding surveys in the vicinity of Albion in southwest Michigan.
- Coordinating Himalayan balsam survey, removal and outreach across the Upper Peninsula.

Funding also will support efforts to prevent the spread of invasive species:

- Testing the effectiveness of household cleaners to decontaminate waders, boats and equipment exposed to didymo and New Zealand mudsnails.
- Training paddle sport enthusiasts to decontaminate boats between uses and to look for and report aquatic invasive species.
- Spreading the “Clean, Drain, Dry” message using a mobile boat wash at popular boating access sites in southeast Michigan.
- Evaluating nitidulid beetle and oak tree cycles in the Upper Peninsula to better predict risk periods for spreading oak wilt.

Support in every Michigan county

This year's grants also support 21 regional [cooperative invasive species management areas](#), the network of partnership organizations working to manage and control invasive species and provide service to all 83 counties in the state. CISMA projects include enhanced education and outreach, technical assistance to landowners, and survey and treatment of high-priority invasive species.

Program background and progress

In 2014 the state Legislature designated \$5 million in annual funding to address invasive species. This support substantially enhanced Michigan's Invasive Species Program for aquatic organisms, supported a formal program for terrestrial species and initiated the Michigan Invasive Species Grant Program.

This cycle marks the ninth year of program funding. To date, over \$32 million has been awarded to support 238 projects undertaken by units of government, nonprofits and institutions. Because of this program:

- More than 592,000 acres of land and water have been surveyed for invasive species.
- More than 51,000 acres have been treated for invasive terrestrial and aquatic plants.
- Through direct contact, including face-to-face interactions at boat washes, workshops, trainings and other events, 292,000 people have been reached with information about invasive species.
- An additional 41 million people were reached through grantees' "passive impression" efforts, including mail, newspapers, social media and handouts.

Over \$5 million requested

The program began accepting grant applications for this funding cycle in September 2022. A total of 42 applications were received, requesting approximately \$5.1 million in support. Grant applicants were asked to commit to providing at least 10% of the total project cost in the form of a local match.

The full [list of grant recipients, project descriptions and award amounts](#) is available on the Michigan Invasive Species Grant Program website at Michigan.gov/MISGP.

Michigan's Invasive Species Program is cooperatively implemented by the Michigan departments of Agriculture and Rural Development; Environment, Great Lakes and Energy; and Natural Resources.

EGLE



Michigan Department of Natural Resources

Caring for Michigan's outdoor places and stories since 1921



Talk with fisheries staff at spring 'Conversations & Coffee' meetings

Have questions about fishing in Michigan and 2023 fishing regulations? Check out these upcoming virtual "Conversations & Coffee" events, focusing on fisheries management around the state, to get answers and talk with Michigan Department of Natural Resources fisheries staff.

These events cover local and statewide regulation changes and other topics related to managing fisheries and aquatic natural resources on inland lakes and streams and the Great Lakes. They're also great opportunities to meet fisheries managers and

biologists, provide feedback on regulation proposals, and discuss local issues and management activities. Get specific questions answered at one of the DNR Fisheries Division's "Conversations & Coffee" virtual meetings:

Lake Superior Management Unit

- Wednesday, March 29, 6:30 to 8 p.m. EDT
- Contact: [Patrick Hanchin](#)

Lake Huron Management Unit

- Tuesday, April 4, 6 to 7 p.m.
- Contact: [Randy Claramunt](#)

Lake Erie Management Unit

- Tuesday, April 4, 7 to 8 p.m.
- Contact: [Sara Thomas](#)

Southern Lake Michigan Management Unit

- Tuesday, April 11, 6:30 to 8:30 p.m.
- Contact: [Brian Gunderman](#)

For detailed meeting and contact information, visit the ["Conversations & Coffee" webpage](#).



Photo by Scott Brown



Good news! For its ninth year, the Mobile Boat Wash Program is hiring a crew leader and three crew members for the 2023 season!

As part of the mobile boat wash crew, you will visit over 40 of Michigan's pristine lakes, talk with boaters and anglers from all over, and get hands on experience with communication and field surveys! If interested, follow the link below to become part of the team.

<https://careers.msu.edu/.../extension-program-worker...>

WE'RE HIRING!

Invasive Species Outreach Technician

Crew Leader & Crew Members

At careers.msu.edu for Job #848516

Apply now!



Stop aquatic invasive species through boater education and outreach! You can help protect Michigan waters from invasive species by teaching boaters about invasive species, giving demonstrations on proper boat cleaning, and conducting invasive species surveys.

Contact Kelsey Bockelman at bockelm4@msu.edu



Photo by Scott Brown



The Midwest Glacial Lakes Partnership (MGLP) brings together resource agencies, non-profit organizations, and other stakeholders to protect, rehabilitate, and enhance sustainable fish habitats in naturally formed lakes of the Midwest. We foster collaborations on fish habitat science, education and outreach, and conservation. For more information, stop by our [website](#), follow us on [Twitter](#), or reach out to our coordinator, [Joe Nohner](#).

Spring 2023 MGLP Lake Conservation Webinars

Dissolved oxygen in warming lakes

Steve Jane

March 28, 1:00 PM [Register here](#)

Dissolved oxygen (DO) is a fundamental component of lake ecosystems. It is an important attribute of habitat in that low levels make habitat unsuitable for most aerobic organisms like fish. In addition, because of its role in redox reactions, DO strongly influences water chemistry. Low oxygen can result in internal loading of limiting nutrients, accumulation of the greenhouse gas methane, as well as formation of the toxic form of mercury in the water column. Therefore, changes to lake DO strongly impact the functioning of lake ecosystems with implications for drinking water quality, biodiversity, and possibly, fish toxicity. In theory, DO should respond to warming surface waters through a variety of mechanisms. This talk will summarize recently published work that used long-term and geographically extensive lake water quality data to explore the relationship between warming of surface waters and DO.

Managing for RADical lake change: applying the Resist-Accept-Direct (RAD) framework to support walleye management in Wisconsin

Abigail Lynch and Colin Dassow

April 11, 1:00 PM [Register here](#)

Managers facing transforming lakes can benefit from considering broader objectives beyond a traditional focus on resisting change. They can also consider whether accepting inevitable change or directing it along some desirable pathway is more practical and appropriate under some circumstances (the [RAD framework](#)). Here, we'll introduce the RAD framework and highlight a decision-support tool for the walleye recreational fishery in Wisconsin as an example of how to link the RAD framework to real-world management of a large recreational fishery.

On thin ice: Are lakes feeling the heat?

Sapna Sharma

April 18, 1:00 P.M., [Register here](#)

Our planet is experiencing accelerated climate warming, with dramatic consequences not only on lake ecology, but also on the ecosystem services we rely on from our freshwater resources. Lakes with seasonal ice cover, which represent more than half of the world's lakes, are especially sensitive to a changing climate, as ice cover is a strong determinant of lake ecosystem functioning. Lakes are losing ice cover at unprecedented rates. On average, ice duration is shorter by 17 days/century. However, in the past 25 years, lake ice loss is 6 times faster, with some lakes not freezing every winter. By the end of the century, over 200,000 lakes may no longer regularly freeze and almost 6,000 lakes may permanently lose ice cover with climate warming. With reduced ice cover, lakes may stratify earlier which can lead to elevated water temperatures, primary production, and likelihood of algal blooms,

some of which may be toxic. Mitigation of greenhouse gases is essential to preserving this ecological, cultural, and economically important resource.



State parks, trails, and waterways

Do you like to spend your summers outdoors? What if you could get paid for it, too? We've got just the thing! We're hiring!

Starting rate is \$15/hour.

Know someone that might be interested?

To learn about these opportunities, visit

www.Michigan.gov/DNRJobs



Photo by Scott Brown



Virtual Lake Learning Opportunities

March 21, 9:00 AM: Rowing the boat: The Michigan Invasive Species Program 2022 year in review. Presented by Joanne Foreman, Michigan Department of Natural Resources. Host: Michigan Invasive Species Program. [More details.](#)

March 22, Noon: Great Lakes Coastal Resiliency Study. Presented by David Bucaro, US Army Corps of Engineers. Host: Tip of the Mitt Watershed Council. [Register.](#)

March 28, 2:00 PM: Dissolved oxygen in warming lakes. Presented by Steve Jane, Cornell University. Host: Midwest Glacial Lakes Partnership. [More details](#).

April 5, Noon: Go with the flow (*Restoring connectivity for stream health, biodiversity, and water quality protection*). Presented by Daniel Zielinski, Great Lakes Fishery Commission; and Jennifer Buchanan, Tip of the Mitt Watershed Council. Host: Tip of the Mitt Watershed Council. [Register](#).

April 11, 2:00 PM: Managing for RADical lake change: applying the Resist-Accept-Direct (RAD) framework to support walleye management in Wisconsin. Presented by Abigail Lynch, US Geological Survey; and Colin Dassow, Wisconsin Department of Natural Resources. Host: Midwest Glacial Lakes Partnership. [More details](#).

April 18, 2:00 PM: On thin ice: Are lakes feeling the heat? Presented by Sapna Sharma, York University. Host: Midwest Glacial Lakes Partnership. [More details](#).

April 19, Noon: A model for evaluating septic pollution. Host: Tip of the Mitt Watershed Council. [Register](#).

April 24-28: 13th National Monitoring Conference. (*hybrid conference with limited virtual format*) Host: National Water Quality Monitoring Council. [More details](#). \$

May 2, 2:00 PM: Shoreline Living Volume Two: Property owner experiences in lakefront conservation. Presented by Erin Fuller, Van Buren (Michigan) Conservation District. Host: Midwest Glacial Lakes Partnership. [More details](#).

May 9, 2:00 PM: Conservationists' perspectives of governance in the Iowa Great Lakes. Presented by Austin Holland, University of Wisconsin - Stevens Point. Host: Midwest Glacial Lakes Partnership. [More details](#).

May 16, 2:00 PM: Healthy Watersheds, High-Quality Waters- A new program for protecting the wonderful waters of Wisconsin. Presented by Pamela Toshner, Wisconsin Department of Natural Resources. Host: Midwest Glacial Lakes Partnership. [More details](#).



>>> We Need Your Help!!!
<<<

**Why You Should Join
Michigan Waterfront Alliance today?**

Do you care about your favorite lake, river, or stream?

Do you care enough to contact your state senator or representative about issues that may affect the quality of your waterbody?

Do you keep track of the bills that are important to your lake, river, or stream that may have been introduced in the Michigan House or Senate?

The good news is that Michigan Waterfront Alliance (MWA) is doing this for you.

And while we're at it - we will remind you that the activities and efforts of the Michigan Waterfront Alliance are conducted entirely by passionate volunteers who donate their own time and personal resources to helping preserve and protect Michigan's extraordinary freshwater lakes, ponds, rivers, stream and wetlands.

Did you know that not a single person who works directly on behalf of our non-profit organization receives compensation of any sort - financial or otherwise?

Did you know that with the exception of paying our attorneys to represent your interests, and the best interests of preserving our freshwater resources in court, that the majority of the relatively modest amount of revenue we generate from memberships is entirely dedicated to paying our Lansing-based lobbyist to work on your behalf and on behalf of protecting Michigan's water resources in our state capitol??

Did you know that Michigan Waterfront Alliance is a proactive member of the collaborative lake conservation focused organization known as the Michigan Inland Lakes Partnership???

Did you know that Michigan Waterfront Alliance was a 'platinum' level sponsor of the 2022 Michigan Inland Lakes Convention??

Did you know that Michigan Waterfront Alliance is a founding member of the Michigan Aquatic Invasive Species Task Force, a collaborative effort that is comprised of the Michigan Department of Environment, Great Lakes and Energy (EGLE), the Michigan Department of Natural Resources, and several statewide non-profit organizations that is dedicated to stopping the introduction and spread of exotic aquatic invasive plants and animals??

Did you know that our volunteers often reach out to elected members of the United States House of Representatives, the United States Senate, and to the United States Environmental Protection Agency in regards to resolving federal government level issues that pertain to protecting Michigan's freshwater resources??

Why not become a pro-active part of our efforts to help preserve and protect Michigan's incredible freshwater resources for future generations by becoming a member today??

Please remember that we rely entirely upon membership dues to fund the operating costs of our organization...

**TO BECOME A MEMBER OF
MICHIGAN WATERFRONT ALLIANCE VISIT OUR
>>>>> MEMBERSHIP PAGE <<<<<**

Annual Dues are:

\$50 for an individual;

\$100 for a lake association; and

With support from individuals like you, lake associations, and corporations, we can continue to work together as a unified voice choosing to protect Michigan's water resources for future generations. Thank you for your consideration!!!



ATTENTION READERS!!!

In order to add your friends, neighbors, and/or fellow lake or watershed conservation focused association member e-mails to our growing list of water resource conservation minded people who would like to receive this Michigan freshwater resources focused twice monthly newsletter, contact Editor Scott Brown at scottb1952@gmail.com



Join Michigan Waterfront Alliance!

- Are you tired of funding the management of aquatic invasive species on your lake that were introduced by recreational boaters using the local MI Department of Natural Resources public boating access site?
- Are you just a bit angry that recreational boaters using your lake are not being asked to contribute their fair share to combat the negative influences of aquatic invasive species?
- Are you worried about the fact that your lakefront residential property values are being negatively influenced by the steadily increasing presence of aquatic invasive species?
- Are you concerned about the fact that it is nearly impossible to find an inland lake in Michigan that does not currently host one or more potentially harmful aquatic invasive species?
- Are you aware of the fact that inland lakes are Michigan's most valuable natural resource, and that our state legislature has thus far appropriated almost nothing in the way of budget resources to help ensure they remain healthy and viable?

If your answer is yes to any of these important questions, please help ensure that your voice is heard in Lansing by joining Michigan Waterfront Alliance today.

Click here to Join MWA

