
Michigan Waterfront Alliance Update for Monday, October 2, 2023



Photo by Scott Brown

Welcome to the Michigan Waterfront Alliance
Update for Monday, October 2, 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.



facebook

The Economic Value of Michigan's Inland Lakes

by

Scott Brown, M. S.

Director

Michigan Waterfront Alliance

Secretary

Michigan Chapter,

North American Lake Management Society

“The lakes are the
brightest gems in the
corona of the State.
They are the most
beautiful and
expressive features
of the landscape in
the region wherein
they abound.”

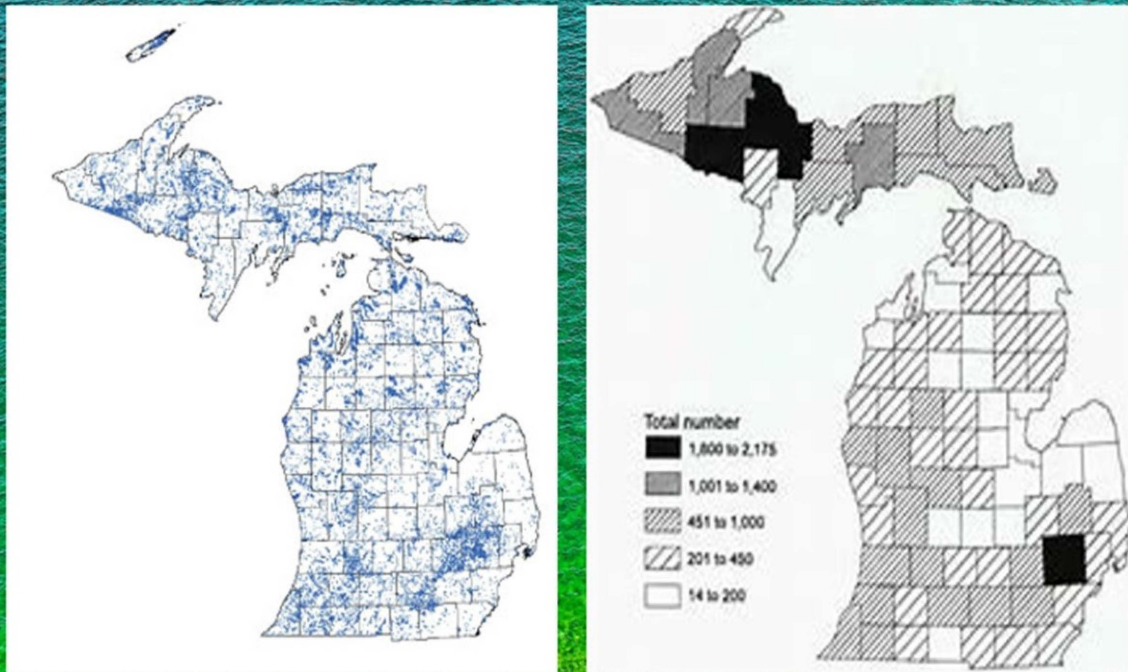
Source: THE LAKES OF NORTHERN INDIANA
AND THEIR ASSOCIATED MARL DEPOSITS

BY W. S. BLATCHLEY & GEORGE H. ASHLEY,
1897



The Economic Value of Michigan's Inland Lakes

Distribution of Michigan's Inland Lakes



Source: Michigan GIS Open Data

The Economic Value of Michigan's Inland Lakes

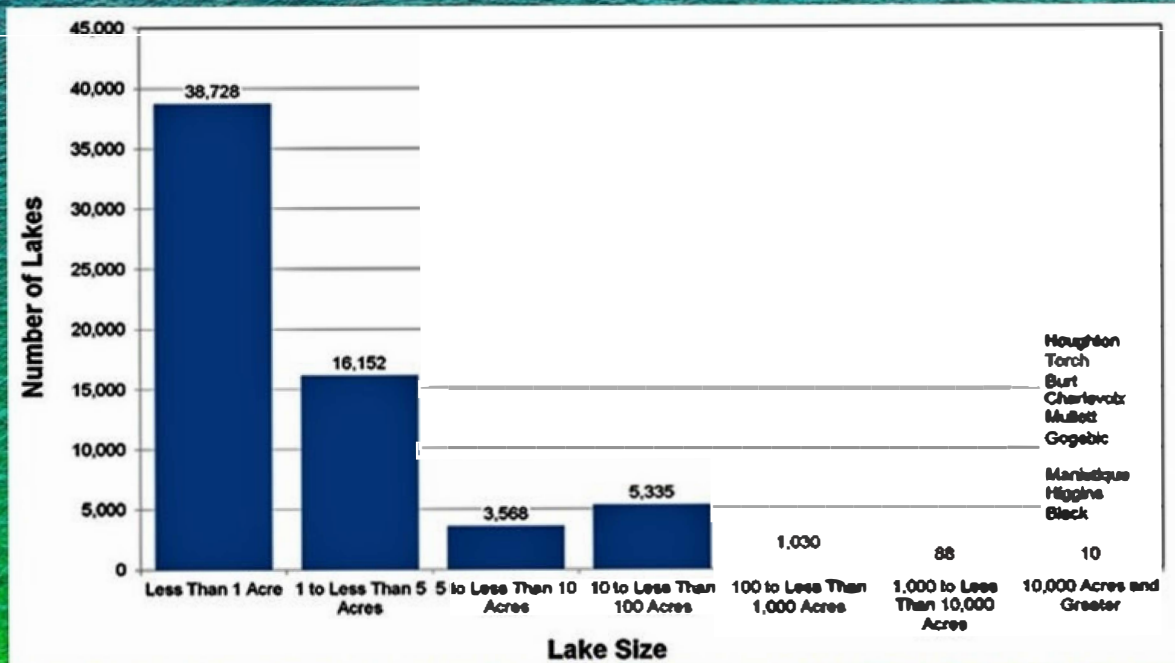
MICHIGAN INLAND LAKE FACTS

- ❑ There are 62,798 inland lakes in Michigan with a surface area of at least 0.1 acres or larger.
- ❑ Michigan enjoys 1,300 square miles of inland lakes or 1.3 % of total area.
- ❑ Michigan hosts a total of 11,037 inland lakes of five acres or more in size.
- ❑ Michigan is graced with 6,516 inland lakes of 10 acres or more in size.
- ❑ Michigan has 1,148 lakes exceeding 100 acres, 98 lakes exceeding 1,000 acres, and 10 lakes over 10,000 acres.
- ❑ Michigan's inland lakes provide critical aquatic habitat for 154 freshwater fish species.

Source: Breck, 2004

The Economic Value of Michigan's Inland Lakes

Michigan's Inland Lakes: Lake Size



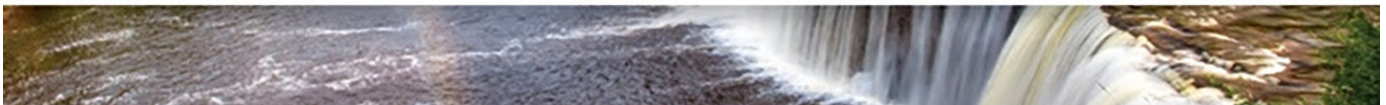
Source: <https://www.michiganlakeinfo.com/11-000-lakes-in-michigan>



To download the entire
"The Economic Value of Michigan's Inland Lakes" presentation
[click here](#)



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



FOR IMMEDIATE RELEASE

Sept. 29, 2023

Jeff Johnston, EGLE Public Information Officer, JohnstonJ14@Michigan.gov, 517-231-9304

Lee Schoen, EGLE Aquatic Biologist, SchoenL1@Michigan.gov, 517-342-4500

EGLE seeks suggestions for water quality monitoring locations

As part of an ongoing effort to improve surface water quality, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) is seeking input on where to focus monitoring efforts. Recommendations support implementation of the Surface Water Quality Monitoring Strategy. The strategy's primary goals are to:

- Assess the current status and condition of waters of the state.
- Measure spatial and temporal water quality trends.
- Evaluate the effectiveness of water quality restoration and protection programs.
- Identify new and emerging water quality problems.

To reach these goals, suggestions for monitoring water or sediment chemistry, contaminants in fish, fish or macroinvertebrate communities, algae growth, *E. coli* bacteria, and other issues are all welcome. In 2024, EGLE plans to target the majority of its monitoring resources to those watersheds highlighted in the [Basin Year 1 watersheds map](#), though staff will consider recommendations for other Michigan watersheds.

The water quality Monitoring Request Form is available at the [Monitoring Request Form Web page](#).

In order to be considered for the 2024 field season, the form needs to be completed electronically and submitted by Oct. 31, 2023.



Photo by Scott Brown

Eurasian Water Milfoil

Scientific Name: *Myriophyllum spicatum*



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



FOR IMMEDIATE RELEASE

September 22, 2023

EGLE Media Office, EGLE-Assist@Michigan.gov, 517-284-9278

EGLE announces \$21.2 million in MI Clean Water grants to help Michigan communities upgrade water infrastructure, protect health and the environment

Drinking water plant upgrades in the city of St. Clair and wastewater treatment facility improvements in Croswell are among \$21.2 million in Michigan Department of Environment, Great Lakes, and Energy (EGLE) grants recently awarded to Michigan communities.

The [MI Clean Water Plan](#) grants, through EGLE's Drinking Water State Revolving Fund (DWSRF) and Clean Water State Revolving Fund (CWSRF) aim to help communities upgrade aging infrastructure to ensure healthy drinking water and protect Michigan's environment.

Seventy percent of Michiganders are served by more than 1,000 community wastewater systems and a similar percentage get drinking water from community water systems. Those systems often struggle to find resources to address legacy issues like aging drinking water and storm water facilities and emerging challenges like new standards for Per- and Polyfluoroalkyl Substances (PFAS) "forever chemicals."

Governor Gretchen Whitmer, the Michigan Legislature, and federal agencies have ramped up funding for aging water infrastructure – a critical move to help ensure those water systems continue to protect public health and the environment, including Michigan's unmatched freshwater resources.

More than half of EGLE's budget has traditionally passed through to Michigan cities, towns, villages, and other local government agencies to finance critical improvements that help them better protect residents and our natural resources.

Grant roundup

Recent grants through the DWSRF:

- **City of Montrose for \$1,683,750.** The project includes replacement of approximately 3,250 linear feet of water main along Latting Street, Russell Street, Saginaw Street, North Street, Alfred Street, and Coke Drive; installation of approximately 250 linear feet of a water main loop from Latting Street to Russell Street; and plugging of an abandoned well on the southwest corner of Washington Street and Ash Street.
- **City of Memphis for \$873,900.** The project will replace water mains along Lois and Roberts Streets, 26 lead service lines, publicly owned water meters, filter media at the arsenic removal plant, and well pumps, as well as installing a back-up generator, automatic transfer switch, and completing electrical upgrades to the generator.
- **City of Coleman for \$5,051,618.** The project consists of replacement of water service meters, replacement of approximately 14,500 linear feet of water main, installation of new water mains to correct dead ends, replacement of 26 lead or galvanized service lines, and improvements to the elevated storage tank.
- **City of Bessemer for \$588,979.** The project consists of approximately 1,240-feet of water main replacement on E. Colby Street and Osmose Road, vent and roof replacement at the Tilden Tank standpipe, and vent replacement at Rock Bluff Reservoir. Additionally, the City of Bessemer anticipates replacing approximately 75 lead service lines throughout the city.
- **City of St. Clair for \$2,733,750.** The project consists of water treatment plant and pump station improvements, and water main looping. Specific improvements include installation of an additional filter, building repairs, and component upgrades/replacement. Water main looping will involve construction of approximately 1,400 linear feet of additional water main to remove a dead-end.

Recent grants through the CWSRF

- **City of Croswell for \$10,245,000.** The project consists of improvements to the City of Croswell's wastewater treatment plant pertaining to the pumping, biological treatment, and disinfection systems, and buildings. Also included in the project are improvements at five lift stations throughout the collection system and cured in place pipe lining of approximately 7,190 feet of sanitary sewer to address structural integrity of the sewer as well as infiltration and inflow.

Descriptions of funding sources

Drinking Water State Revolving Fund: Low-interest loan program to help public water systems finance the costs of replacement and repair of drinking water infrastructure to protect public health and achieve or maintain compliance with federal Safe Drinking Water Act requirements. The DWSRF provides loans to water systems for eligible infrastructure projects. As water systems repay their loans, the repayments and interest flow back into the DWSRF to support new loans. American Rescue Plan Act (ARPA) funding operates as a grant and may be used in combination with loan dollars to reduce the financial burden on communities to pay for capital improvement debt. ARPA funded grants awarded this fiscal year: \$218,398,719.

Clean Water State Revolving Fund (CWSRF): Used by local municipalities to finance construction of water pollution control projects. These projects include wastewater treatment plant upgrades and expansions, combined or sanitary sewer overflow abatement, new sewers designed to reduce existing sources of pollution, and other publicly owned wastewater treatment efforts that improve water quality. The CWSRF can also finance storm water infrastructure projects to reduce nonpoint sources of water pollution caused by things like agricultural runoff to lakes, streams, and wetlands. As with the DWSRF, ARPA funds can be used in conjunction with CWSRF loan dollars, thereby reducing the debt communities pay for infrastructure improvements. ARPA-funded grants awarded this fiscal year: \$137,982,009.

Drinking Water Asset Management Program: Provides grant funding to assist drinking water suppliers with asset management plan development and updates, and/or distribution system materials inventories as defined in Michigan's revised **Lead and Copper Rule**. Awarded this fiscal year: \$19,695,817.

Consolidation and Contamination Risk Reduction Program: Established to aid drinking water systems to help remove or reduce PFAS or other contaminants. Awarded this fiscal year: \$20,336,215.

Substantial Public Health Risk Project Program: Protects public and environmental health by removing direct and continuous discharges of wastewater from surface or groundwater. Awarded this fiscal year: \$8,000,000.

Additional Background

- Since January 2019 the State of Michigan has invested over \$4 billion to upgrade drinking water, stormwater, and wastewater facilities across the state, supporting over 57,000 jobs.

In 2022, Governor Whitmer signed a **package of bills** to help communities access funding for water infrastructure.

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Photo by Scott Brown



**MiCorps Annual
Volunteer Monitoring
Conference**

October 20, 2023

9 a.m. - 4 p.m.

Kellogg Biological Station

www.MiCorps.net



Hello CLMP Volunteers,

Thank you all for your lake monitoring efforts and contributions throughout the years!

The Annual Michigan Clean Water Corps (MiCorps) Conference will be held on Friday, October 20, 2023 from 9:00 AM to 4:00 PM at the Kellogg Biological Station located on beautiful Gull Lake in Hickory Corners, Michigan.

[Check out our agenda](#)

This day-long program will include presentations on lake and stream ecosystems, how

volunteer data can be used, and how to recruit and retain volunteers to assist with

your monitoring. We will also be celebrating all of your achievements.

Conference registration is \$75. Registration has been extend to October 8th!

[Register Today!](#)



Fishing opportunities abound, with more than 9 million fish stocked so far in 2023

September 21, 2023

Contact: [Jeremiah Blaauw](#), 906-235-7679

More than 269 tons of fish, eight different species, plus one hybrid, and a total of 9,335,410 individual fish – it all adds up to successful spring and summer stocking efforts by the Michigan Department of Natural Resources, and some great fall fishing for anglers.

Stocking is no small task. Over the course of 2,233 hours and more than 89,000 miles, DNR fisheries crews in 17 specialized trucks took 375 trips to stock fish at 705 different sites.

"We had excellent spring and summer stocking seasons that will bring significant benefits and fishing opportunities to Michigan anglers," said Ed Eisch, DNR fish production manager. "With the hard work and dedication of our staff, healthy, high-quality fish were reared and delivered to stocking sites in excellent condition. The numbers produced and stocked were right on target for most areas."

The number and type of fish produced varies by hatchery, as each location's ability to rear fish depends on the source and temperature of the rearing water. In Michigan there are six state and two cooperative hatcheries that work together to produce the species, strain and size of fish needed for fisheries managers. These fish must then be delivered and stocked at a specific time and location to ensure their success.

Each hatchery stocked the following fish this spring and summer:

- Marquette State Fish Hatchery (near Marquette) stocked 341,423 yearling lake trout, brook trout and splake (a hybrid of lake trout and brook trout) that in total weighed 41,771 pounds. This hatchery stocked 98 inland and Great Lakes sites.
- Thompson State Fish Hatchery (near Manistique) stocked 997,431 fish that included yearling steelhead and spring fingerling Chinook salmon. These fish weighed 78,659 pounds in total. This hatchery stocked 54 sites (the majority located on the Great Lakes).
- Oden State Fish Hatchery (near Petoskey) stocked 679,488 yearling brown trout and rainbow trout that weighed 96,372 pounds. This hatchery stocked 123 inland and Great Lakes sites.
- Harrietta State Fish Hatchery (in Harrietta) stocked 780,654 yearling brown trout, Atlantic salmon and rainbow trout that in total weighed 95,751 pounds. This hatchery stocked 228 sites (the majority located inland).
- Platte River State Fish Hatchery (near Honor) stocked 2,350,685 fish that included yearling Atlantic salmon and coho salmon and spring fingerling Chinook salmon that in total weighed 158,038 pounds. This hatchery stocked 48 sites (the majority located on the Great Lakes).
- Wolf Lake State Fish Hatchery (near Kalamazoo) stocked 1,469,465 fish that included yearling steelhead, yearling muskellunge and spring fingerling Chinook salmon that

in total weighed 121,467 pounds. Wolf Lake also stocked 11,473 channel catfish obtained from the Ohio DNR (weighing 2,828 pounds), as well as 33,679 Skamania steelhead (weighing 3,511 pounds). This hatchery stocked 49 sites (the majority located on the Great Lakes).

- A cooperative teaching hatchery at Lake Superior State University (in Sault Saint Marie) stocked 28,646 Atlantic salmon weighing 2,510 pounds into the St. Marys River.

Included in this year's total fish stocked were 2.7 million walleye spring fingerlings, fish that were reared in ponds by the DNR and tribal partners with extensive support provided by local sporting organizations. These fish were stocked at 90 inland lakes and rivers and Lake Michigan.

Fish stocking is a critical DNR activity. These efforts help support [a Great Lakes fishery valued at more than \\$7 billion](#).

Fish are reared in Michigan's state fish hatcheries anywhere from one month to 1 ½ years before they are stocked.

It should be noted that some hatcheries will provide fish for a few additional stockings (consisting of brook trout, rainbow trout, coho salmon, walleye, lake sturgeon and muskellunge) to be made this fall. The lake sturgeon will come from the cooperative hatchery in Tower, Michigan, that is operated with Michigan State University.

The public is welcome at any of Michigan's state fish hatcheries to see firsthand the fish rearing process. For more information, visit Michigan.gov/Hatcheries.

Learn more about fishing opportunities, management and resources – including the [DNR's Fish Stocking Database](#), showing where many of these fish were stocked – at Michigan.gov/Fishing.



DRINKING WATER: PROTECTING MI SOURCE

an **EGLE** Webinar Series

Register today for Protecting MI Source Webinar Series!

Our drinking water comes from a variety of sources including groundwater, rivers, and lakes. There are thousands of water supplies providing drinking water to the public and hundreds of thousands more private water wells supplying water to millions of people in Michigan and millions more across the Great Lakes Region. Knowing and understanding the quality and quantity of the source is a critical first step in planning and developing sustainable approaches and managing our drinking water resources. The Michigan Department of Environment, Great Lakes, and Energy (EGLE) presents [this webinar series](#) to highlight how agencies, communities, universities, local organizations, and citizens can promote and protect drinking water sources. A question-and-answer period will follow each presentation.

This webinar series is provided through a collaborative partnership with EGLE, the Institute of Water Research at Michigan State University (IWRMSU), and the Michigan Rural Water Association (MRWA). More webinars will be added throughout the year.

Upcoming webinar in the series

October 3, 1:00 - 2:00 PM

[Blooming Waters: Understanding Harmful Algal Blooms and Safe Drinking Water](#)

Harmful algal blooms are a growing concern across the nation, and Michigan is no exception. These blooms can produce toxins that pose significant risks to both human health and aquatic ecosystems. In this webinar, we will delve into the fascinating science behind algal blooms, their causes and detrimental effects, and examples of efforts taken to prevent drinking water exposures.

Key Topics to be Covered:

- **Understanding the Science:** Discover the factors that contribute to the formation of harmful algal blooms and the conditions that foster their growth.
- **Monitoring Michigan's Waterways:** Learn about EGLE's efforts to track and detect harmful algal blooms in various surface water bodies.
- **Safeguarding Drinking Water:** Explore Michigan's efforts to ensure the safety of drinking water systems and protect the health of its residents.

Michigan.gov/EGLEevents

PROGRAM QUESTIONS:

Sara Pearson: PearsonS@Michigan.gov

REGISTRATION QUESTIONS:

Alana Berthold: BertholdA@Michigan.gov

Joel Roseberry: RoseberryJ@Michigan.gov



Michigan Department of
Natural Resources

Caring for Michigan's outdoor places and stories since 1921

Contact: [Joe Nohner](#), 517-599-6825, or [Chip Kosloski](#), 517-281-1705

Over \$1.5 million in grant funding available for fisheries habitat conservation, dam removal and more

September 12, 2023

Project pre-proposals are due Friday, October 20th, 2023

The Michigan Department of Natural Resources is offering more than \$1.5 million in funding for a variety of activities tied to improving state fisheries and aquatic resources, including fish habitat conservation, dam removal and repair, resource assessment studies and public access to recreation opportunities.

Distributed through three themes – aquatic habitat conservation, dam management, and aquatic habitat and recreation in the Au Sable, Manistee and Muskegon river watersheds – [Fisheries Habitat Grant funding](#) is available through an open, competitive process to local, state, federal and tribal governments and nonprofit groups.

“Recreation and local economies throughout Michigan rely on healthy rivers, lakes, and wetlands to support fishing, boating and other enjoyment of our natural resources,” said Joe Nohner, a resource analyst with the DNR Fisheries Division. “These grants help our partners protect and rehabilitate fisheries and aquatic ecosystems in a state that relies heavily on those resources. In cases where we remove, repair or renovate dams, we also can improve public safety for residents and visitors.”

Examples of proposed projects addressing the causes of habitat decline include efforts to:

- Improve the management of riparian land (land situated near or on the water).**
- Restore natural lake levels.**
- Improve or create passage for aquatic organisms by removing culverts, dams and other barriers.**
- Improve water quality.**
- Implement watershed-based approaches to improving both the quality and quantity of water.**
- Develop projects that demonstrate habitat conservation.**
- Restore stream function.**
- Add structural habitats, like woody habitat or aquatic vegetation.**
- Conduct assessments that will guide conservation projects.**
- Complete other projects that meet program goals.**

Grant and application guidelines

Grant applicants may apply for and receive funding from all three themes with one application, if eligible for each. Expected funding is derived from three sources:

- \$989,000 from the state’s Game and Fish Protection Fund, supporting the aquatic habitat conservation theme.**
- \$350,000 from the state’s General Fund, supporting the dam management theme.**
- At least \$225,000 from a hydropower license and settlement agreement between Consumers Energy and several entities including the DNR, supporting aquatic habitat and recreation in the Au Sable, Manistee and Muskegon river watersheds.**

Applicants have the option of requesting funding from the current funding cycle or a conditional commitment from a future year’s funding. Conditional commitments to very competitive projects allow recipients to leverage DNR contributions toward partner applications for additional funding sources on larger projects or secure a Fisheries Habitat Grant funding commitment based on other conditions. The available funding in this announcement does not include \$150,000 in existing conditional commitments the DNR has made to partners from this year’s grant funding.

Grant amounts start at a minimum of \$25,000 and have the potential to be as large as the total amount of funding available in all theme areas for which a project is eligible. If necessary, smaller projects within the same region addressing similar issues can be bundled into a single grant proposal package to reach the minimum grant amount.

Priority projects

The DNR identifies specific priority projects through its [Fisheries Priority Habitat Conservation Projects list](#) that may receive preference during proposal review.

Applications for projects on this list will still need to be competitive in other aspects, such as cost, appropriate methods and design, and applicant expertise, so grant awards are not expected to exclusively fund projects on this list.

In previous grant cycles, about 40% of all funded projects were Fisheries Priority Habitat Conservation Projects. All applicants must first discuss their projects with their [local DNR fisheries biologist](#), then complete and submit a short preproposal for DNR review.

Preproposals must be:

- Submitted using an online form available at the [Fisheries Habitat Grant website](#).
- Submitted no later than Oct. 20; applicants can reach out to [Joe Nohner](#) (517-599-6825) or [Chip Kosloski](#) (517-281-1705) with questions about the grant or preproposal submission.

Applicants will be notified of the outcome of their preproposal by Nov. 29 and, if selected, will be invited to submit a full application. An invitation to submit a full application does not guarantee project funding.

Final funding announcements are expected to be made by May 2024. The detailed program handbook, including timeline, preproposal guidelines and forms, is available at Michigan.gov/DNRGrants.



Photo by Scott Brown

Largemouth Bass

Scientific Name:
Micropterus salmoides



NALMS 2023 Registrations are Open!

The North American Lake Management Society (NALMS) and [Pennsylvania Lake Management Society \(PALMS\)](#) invites you to attend our 43rd International Symposium, to be held October 22–26, 2023 in Erie, Pennsylvania. We are excited to share that both attendee and exhibitor registrations are now open, as well as registrations for workshops and field trips!

At a time when climate change, invasive species risks, and cultural pressures threaten the natural environment and biodiversity of our fragile ecosystem, the opportunity to highlight and mesh the State of Pennsylvania and its rich diversity of aquatic habitats is long overdue.

NALMS' Symposium typically attracts an international collection of 500–600 lake management professionals, academia, and citizen attendees. The Symposium promotes the exchange of lake and reservoir management science, produces material for NALMS' high-quality publications, provides a rare opportunity for networking, as well as an opportunity to recognize excellence in the field of lake and reservoir management.

[Register as an Attendee](#)

[Register as an Exhibitor](#)

Become as Conference Sponsor



Photo by Scott Brown

If not **you**, then **who?**

We need **you!**

Michigan Waterfront Alliance (MWA) is the only all-volunteer non-profit organization in Michigan that is 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.

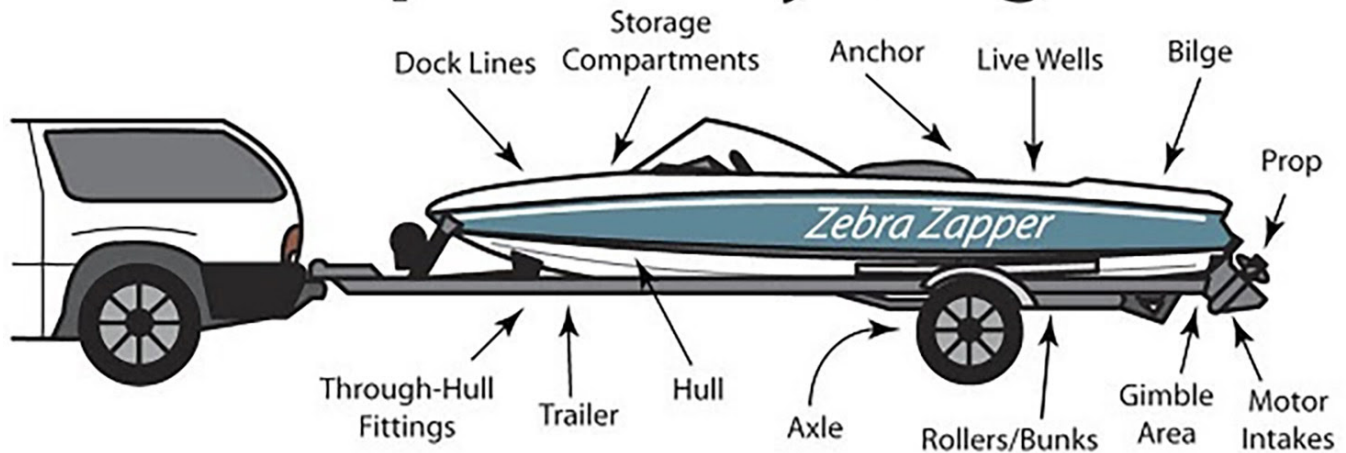
Thank you for reading and considering this hopefully convincing appeal for donations - **no amount is considered too small** - all donations of money are happily received and acknowledged within the context of the generous spirit that prompted them!!!!!!!!!!

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

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



Before leaving and before launching...
inspect everything!



NotMISpecies Webinar Series

Invasive species pose a threat to Michigan's environment, economy, and sometimes even human health. What is at stake? What is being done? [This webinar series](#) explores how agencies, universities, and locally led organizations are working together to protect Michigan's natural resources through the Michigan Invasive Species Program. If you are concerned about the impacts of invasive species or interested in the techniques used to control them, join us as we examine species-specific actions,

innovations in research and technology, and programs designed to help communities prevent and manage harmful invasive species. A question-and-answer period will follow each presentation. Recorded versions of all previous [NotMISpecies webinars](#) are available at Michigan.gov/EGLE/Outreach under “Featured Webinar Series.”

Tuesday, October 3, 9:00 a.m. to 10:00 a.m.

[Where the Sidewalk Ends: Choosing Resilient Trees for Tomorrow’s Urban Environments](#)

Ash, elm and chestnut trees once were as common in cities as the streets that bear their names. Our canopy today is much less diverse due to insects, disease, invasive species and poor species selection. Lawrence Sobson, DNR urban forester and partnership coordinator, will share examples of ideal tree species, how to assess urban sites and provide the information you need ensure the trees you choose can live for the next 100 years.

Tuesday, November 7, 9:00 a.m. to 10:00 a.m.

[Must You Find Another Shrubbery? Understanding the Impacts of Invasive Box Tree Moth in Michigan](#)

Box tree moth (*Cydalima perspectalis*) was first detected in Michigan in fall 2022. This invasive pest, native to East Asia, poses a major threat to the boxwood plant, an ornamental shrub that is a valuable part of the U.S. (and Michigan) nursery and horticultural industry. Join Susie Iott, MDARD invasive species program specialist, to learn more about identification, impacts and the state’s response to limit the spread of this invasive pest.





Michigan Chapter North American Lake Management Society

The purpose of McNALMS is to promote understanding and comprehensive management of Michigan's inland lake ecosystems

Join McNALMS

If you share an interest in protecting and restoring Michigan lakes, we invite you to join the Michigan Chapter, North American Lake Management Society (McNALMS) and add your voice to our growing and active effort. With membership, you receive our informative newsletter; access to our parent organization's newsletter (national NALMS); reduced registration to our biennial Lunch and Learn meeting; eligibility to apply to our Student Grants and other financial assistance programs; information on other grants, courses, fact sheets, and announcements; and becoming a part of a network of individuals and corporations interested in lake conservation.

[Click here](#) to join McNALMS

[Click here](#) to download and read the Spring 2023 McNALMS Newsletter



Events Listing

All times Eastern. "\$" indicates there may be a cost to participate.

October 3, 1:00 PM: Blooming waters: Understanding harmful algal blooms and safe drinking water. Presented by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). [Register](#).



**MICHIGAN
WATERFRONT
ALLIANCE**

>>> 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 pro-active 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

\$200 for a corporation

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.

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