



Photo by Scott Brown

Pumpkinseed
(Scientific Name: *Lepomis gibbosus*)

Welcome to the Michigan Waterfront Alliance

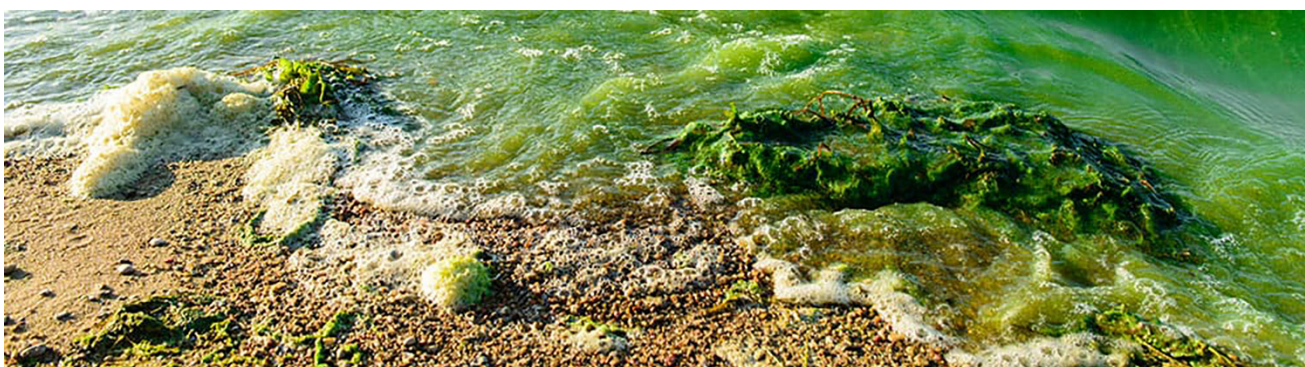
Update for Monday, July 17, 2023



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



Representing a Significant Threat to Public Health, Both the Number and Severity of Harmful Algal Blooms Have Increased in the Spring and Early Summer of 2023

by Scott Brown
MWA e-Newsletter Editor

Harmful algal blooms continue to haunt Florida's Lake Okeechobee, Lake Erie, and many other well-known North American freshwater gems including upstate New York, Vermont, and Quebec's Lake Champlain, and California and Nevada's Lake Tahoe in the late spring and summer of 2023. In addition to western portions of the coastline of Lake Erie that border Monroe County, reports of the outbreak of harmful algal blooms that continue to occur with increasing frequency on Michigan's inland lakes are also prevalent this summer.

Capable of producing powerful toxins that can cause severe skin rashes, gastro-intestinal problems, certain neurological disorders, higher exposure levels to toxic algal blooms are now known to cause irreversible damage to a person's liver and kidneys. Fueled by often dramatic increases in late spring and early summer temperature of shallow water in conjunction with the presence of photosynthesis enabling sunlight, and along with a pronounced over-abundance of the growth stimulating nutrients phosphorus and nitrogen,

harmful algal blooms and their increasingly negative influences on our economy and culture seem to be in the news on a more frequent basis these days.


Forming the base of the food webs that support all forms of life on earth, the simple plants commonly referred to as ‘algae’ range in size from tiny single-celled organisms to certain highly beneficial species of seaweed, and freshwater aquatic macrophytes known generically as ‘stoneworts’. Thousands of high-quality inland lakes situated in the Laurentian Great Lakes region, for example, benefit from the presence of a diverse order of freshwater macro-algae species known as Characeae (see the article focused on *Chara vulgaris* below).





Under conditions defined by steadily increasing water temperatures that occur in late spring and early summer, the presence of photosynthesis enabling sunshine, and excess concentrations of the algae and plant growth stimulating nutrients phosphorus and nitrogen, however, certain forms of undesirable algae may harm aquatic ecosystems by growing out of control. The harmful algal blooms that seem to be occurring on a much more frequent basis these days are often responsible for mass die offs of fish, mammals, and birds are also capable of affecting human health. Heavy concentrations of certain forms of algae, and in particular blue-green algae, which is also often referred to as cyanobacteria, are capable of debilitating entire communities. Out of control growth of microcystin and cylindrospermopsin, toxic by-products of cyanobacteria, as a prime example, caused a well- publicized three-day shutdown of Toledo, Ohio’s public water supply in 2014. The presence of cyanobacteria is of particular concern to municipal water utilities that rely on surface water. It is important to note that while not all cyanobacteria are capable of producing harmful cyanotoxins, all are known to be capable of rendering critical public water supplies useless by producing unpleasant taste and odors. In addition to their harmful and undesirable effects, the presence of cyanotoxins may also significantly increase the cost of the drinking water treatment process by requiring the use of much higher concentrations of disinfectant products. Treating extraordinarily high volumes of drinking water in order to remove cyanotoxins is very expensive and represents a drastic escalation of operational costs that administrators must ultimately pass on to bill paying water consumers.


Even though there are currently no specific federal regulations that address the increasing presence of potentially harmful cyanobacteria in the surface waters of the United States, the Environmental Protection Agency recently announced that it will soon propose new regulations whose implementation would serve to better protect the public from exposure to harmful algal blooms while swimming or boating. It is also important to point out to our readers that there are currently no Safe Drinking Water Act (SDWA) enforceable standards or guidelines that regulate the presence of cyanotoxins even though they are currently on the USEPA’s priority list of drinking water contaminants of potential concern.

HARMFUL ALGAL BLOOMS

Harmful algal blooms, or HABS, occur when colonies of microscopic algae grow out of control. These blooms are a growing problem in every U.S. coastal and Great Lakes state. While we can't prevent these blooms, we can be better prepared. NOAA leads many research efforts to help coastal communities counter the environmental and health effects associated with these "red tide" events.







Sometimes, microscopic algal species in waterways around the nation grow out of control. Some of these algal blooms can contaminate water and shellfish, kill animals, and make humans sick.

Graphic by the United States National Oceanic and Atmospheric Administration



Photo by Scott Brown

"Chara"

Scientific Name: *Chara vulgaris*

Chara vulgaris represents one of the most commonly observed and ecologically beneficial members of the diverse *Characeae* family of predominately freshwater macro-algae species that often grow in North America's northern temperate region inland lakes.

Chara vulgaris makes substantial contributions to achieving and sustaining high quality, moderately productive inland lakes that support a highly beneficial array of popular water sports and lakefront living lifestyles by:

- Helping to prevent water clarity impairing sediment from being resuspended in the water column as a result of the energy present in waves and passing watercraft;
- Utilizing and storing phosphorus and nitrogen that would otherwise be available to support the growth of an over abundance of water clarity degrading green

algae;

- Serving as great habitat for highly beneficial aquatic insects know as zooplankton that make their living by consuming a lot of water clarity degrading suspended algae;
- Acting as an ecologically friendly deterrent to the formation of potentially harmful toxic cyanobacteria blooms;
- Acting as protective habitat for a host of juvenile fish that soon grow up to be large fish that people love to catch and eat!



Photo by Scott Brown



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.

This webinar series is provided through a collaborative partnership with the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Institute of Water Research at Michigan State University (IWRMSU), and Michigan Rural Water Association (MRWA).

Each webinar is approved for 0.1 Continuing Education Credits (CEC) in the technical category.

Upcoming webinar in the series

Tuesday, July 25, 9:00 - 10:00 AM

[Drops of Resilience: Empowering Communities through Source Water Plans](#)

This session will guide you through the development, update, and implementation of Source Water Protection Programs (SWPPs) in local municipalities. We'll cover all the essential elements of SWPPs and highlight their significance with real-life examples from Michigan. Discover why managing the area around your public water supply system is crucial and gain insights into funding sources for SWPP development and implementation.

Presenter: Kelly Hon, USDA Source Water Protection Specialist, Michigan Rural Water Association

Register for this event by [clicking here](#)

Michigan.gov/EGLEevents

PROGRAM QUESTIONS:

Sara Pearson: PearsonS@Michigan.gov

REGISTRATION QUESTIONS:

Alana Berthold: BertholdA@Michigan.gov

Joel Roseberry: RoseberryJ@Michigan.gov



Aerial photo by Scott Brown



July 2023: Aquatic Invasive Species Month

July 01, 2023

WHEREAS, Michigan and its economy are defined by the Great Lakes and depend on its abundance of fresh water for public water supplies, manufacturing, tourism, fishing, agriculture, and numerous other uses; and,

WHEREAS, preventing the introduction and spread of aquatic invasive species ultimately benefits Michigan, and stopping the introduction and spread of these species would eliminate the need for the State of Michigan, businesses, and citizens from employing costly methods to control and manage them; and,

WHEREAS, Michigan is protecting the Great Lakes and the state’s many inland lakes and rivers from aquatic invasive species from many pathways, including ballast water, canals and waterways, organisms in trade, and recreational activities such as boating and angling; and,


WHEREAS, over 180 nonindigenous aquatic species are already established in the Great Lakes basin, many of which are displacing native species, disrupting habitats, and degrading natural, managed, and agricultural landscapes, resulting in millions of dollars for control efforts each year; and,

WHEREAS, Michigan has over 900,000 registered boaters and many other recreational, commercial, and industrial users of over 11,000 inland lakes and over 76,000 miles of rivers and streams in the state, many of which are impacted by aquatic invasive species; and,

WHEREAS, aquatic invasive species awareness is an important step toward behavior change, which prevents the introduction and spread of aquatic invasive species; and,


WHEREAS, early summer marks the beginning of water-related recreational activities in Michigan; and,


WHEREAS, Aquatic Invasive Species Awareness Week is an opportunity for Michigan’s government to join forces with businesses, industries, environmental groups, community organizations, citizens, and other Great Lakes states and provinces to take action against the introduction and spread of aquatic invasive species;



BEAVER PONDS SATURATE SOIL AND PLANTS, MAKING THEM MORE RESISTANT TO FIRE.


THE WEIGHT OF THE POND BEHIND DAMS FORCES WATER FROM UNDERGROUND, COOLING FISH.






BEAVER PONDS ALLOW WATER TO SOAK IN AND SLOW DOWN. SPEED BUMPS SLOW FLOODING.


BEAVER PONDS ARE SAFE PLACES FOR WILDLIFE TO TAKE REFUGE DURING FIRES.





PLANTS AROUND BEAVER PONDS ARE MORE RESILIENT AND REBOUND MORE QUICKLY.

BEAVER PONDS STORE WATER ABOVE AND BELOW GROUND EVEN DURING DROUGHT.



CLIMATE SUPERHEROES



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



FOR IMMEDIATE RELEASE

July 10, 2023

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

**EGLE Office of the Great Lakes Schedules July 26 Event to
Discuss Great Lakes and Water Stewardship Education and
Outreach Draft Request for Proposals**

The Michigan Department of Environment, Great Lakes and Energy’s (EGLE) Office of the Great Lakes (OGL) plans to release a Request for Proposals (RFP) for a project to develop a statewide strategy for Great Lakes education and outreach for water stewardship for audiences of all ages. OGL is seeking input from on-the-ground experts in Great Lakes education and outreach on the [draft RFP project concept](#) by scheduling a public

conversation from 10-11 a.m. Wednesday, July 26, 2023, held virtually on Microsoft Teams.

[Follow this link](#) to join the meeting.

The meeting will be recorded, and the recording will be available at the [Michigan Great Lakes Protection Fund webpage](#).

The goal of this proposed project is to engage Great Lakes education and outreach partners in Michigan through a collaborative, participatory process to conduct a needs assessment and social network analysis. This project will help us learn about exemplary programs and practices and opportunities to build upon these successful efforts. Results of these activities would then inform the development of a statewide strategy for Great Lakes education and outreach for water stewardship. Our hope is that this process will help us identify where the state can best add value to engage, invest in, and support Great Lakes education and outreach efforts across the state at an appropriate scale. We also hope it will help us to identify shared goals and opportunities to collaborate to increase our collective impact.

During the public conversation, EGLE plans to discuss the following questions:

- Does your organization see value in the goals and overall approach of this draft RFP project concept?
- Would your organization be willing to participate in the collaborative process described in the proposed project to inform the development of a statewide strategy for Great Lakes education and outreach for water stewardship?
- Does the draft RFP project concept address needs and gaps in achieving Great Lakes education and outreach programming goals? If not, what is missing?
- Would the results of this project be useful in guiding your organization's work?
- How could the project concept be improved to more effectively meet your organization's needs or program's desired outcomes?

With help from agency partners, the OGL has developed a draft version of the RFP project concept for a Great Lakes and Water Stewardship Education and Outreach Strategy that is non-final and subject to further change. This draft three-page document of the proposed project concept that will be funded through the RFP is intended only for public awareness, transparency, and review. The draft document is available on the [Michigan Great Lakes Protection Fund website](#). OGL intends to publish a final version of the RFP in the coming months.

Send questions and comments about the draft RFP project concept to Emily Finnell, Great Lakes senior advisor and strategist, at finnelle@michigan.gov by Wednesday, Aug. 23, 2023.

###



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.

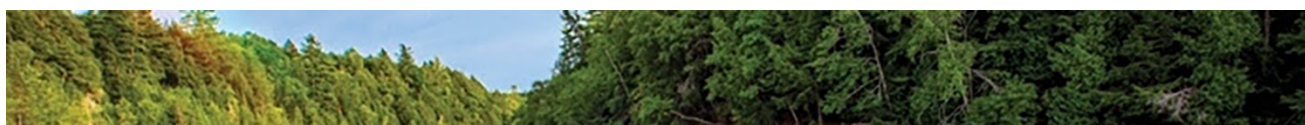
Please also remember that with the exception of a few relatively minor expenses related to keeping our website updated, and on-line, and a few relatively minor costs associated with distributing our e-newsletter, **all** of our membership and donation derived income goes to paying our downtown Lansing-based 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.

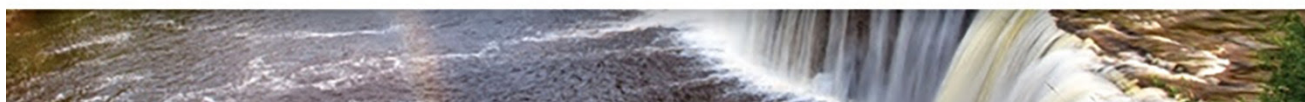
Thank you for reading and considering this hopefully convincing appeal for donations - **no amount is considered too small** - all donations of money are happily received and acknowledged within the context of the generous spirit that prompted them!!!!!!!!!!

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

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



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



July 11, 2023

Contact: [Joanne Foreman](#), 517-243-6450

It's not Barbie Land: Learn from real people tackling invasive species issues in upcoming NotMISpecies webinars

It's perfectly OK if you're eagerly awaiting the release of the live action "Barbie" movie this summer, where we anticipate she and Ken will get a taste of the less-than-perfect real world the rest of us call home. In the meantime, the NotMISpecies webinar series offers a chance to meet real researchers working to improve Michigan's environment by better understanding invasive species, climate change and human behavior.

The hourlong programs are free – just register online to watch live and participate in the question-and-answer session, or watch the recorded version at your leisure – with popcorn optional.

August

Boaters and anglers, primarily those who travel between waterways without cleaning their equipment, continue to spread aquatic invasive species. Why aren't people cleaning when we know the risks of spread? Join Daniel Hayes from the MSU Department of Fisheries and Wildlife for [“Why, Oh Why Won't They Clean, Drain and Dry? Understanding Impediments to Boater and Angler Behavior Change”](#) (9:00 AM. Thursday, August 10). Hayes and his students interviewed a thousand boaters and anglers to find the answers. He will share what they've learned about motivations and barriers to equipment cleaning, perceptions of invasive species spread and other interesting results.

October

Ash, elm and chestnut trees once were as common in cities as the streets that bear their names. Our tree canopy today is much less diverse due to insects, disease, invasive species and poor species selection. Lawrence Sobson, Department of Natural Resources urban forester and partnership coordinator, explores the issue in [“Where the Sidewalk Ends: Choosing Resilient Trees for Tomorrow's Urban Environments”](#) (9 a.m. Tuesday, Oct. 3). Sobson will offer examples of ideal tree species, explain how to assess urban sites and provide information to ensure the trees you choose can live for the next hundred years.

November

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, Michigan Department of Agriculture and Rural Development invasive species program specialist, for [“Must You Find Another Shrubbery? Understanding the Impacts of Invasive Box Tree Moth in Michigan”](#) (9 a.m. Tuesday, Nov. 7). She'll share information on box tree moth identification, its impacts and the state's response to limit the spread of this invasive pest.

The series will take breaks in September and December, leaving ample time to catch up on episodes you might have missed. Find recordings of all the past NotMISpecies webinars or register for new ones at [Michigan.gov/EGLE/Outreach/Not-MI-Species-Webinar-Series](#).

Michigan's Invasive Species Program, a collaborative effort of the departments of Natural Resources; Environment, Great Lakes, and Energy; and Agriculture and Rural Development, coordinates and supports invasive species initiatives across the state and provides support through the [Michigan Invasive Species Grant Program](#).



FOR IMMEDIATE RELEASE

June 28, 2023

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

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

EGLE seeks grant applications for

water conservation best practices

*Project will focus on identifying innovations and
tech advancements to support sustainability*

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) is announcing [a request for proposals \(RFP\)](#) for a project to identify innovations and technological advancements in water conservation best practices that can benefit Michigan's water sectors and support long-term sustainability of Michigan's water resources. The project also will advance Michigan's goals under the [MI Healthy Climate Plan](#) to protect public health and the environment and develop new clean energy jobs by making Michigan's economy 100% carbon-neutral by 2050.

The project will inform Michigan's [Water Use and Water Conservation and Efficiency programs](#) and further the state's water conservation and efficiency goals and objectives established under the Great Lakes St. Lawrence Governors & Premiers' [Great Lakes Agreement and Compact](#).

Eligible to apply are for-profit and nonprofit entities; educational institutions; and federal, state, tribal, and local units of government. Individuals are not eligible. One chosen applicant will receive a maximum of \$100,000. The grant is co-funded by the [Michigan Great Lakes Protection Fund](#) (MGLPF) and funding appropriated by the Michigan Legislature to the [Michigan Water Use Advisory Council](#) (WUAC) through the federal American Rescue Plan Act. It will be administered by EGLE's [Office of the Great Lakes](#) (OGL).

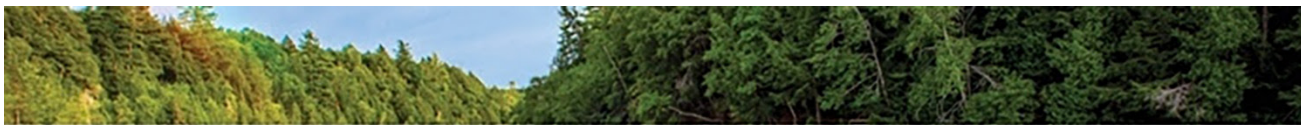
The anticipated project award period is December 2023 to November 2024. Applications will be evaluated on project readiness and feasibility for completion within the 12-month time frame. Project tasks include:

1. Develop and implement an engagement and dissemination strategy to involve Michigan water sectors in the project to maximize the benefits of the project results and findings.
2. Summarize existing Michigan water sectors' processes to review and/or change water conservation best management practices (BMP).
3. Research innovation and technological advancements in water sector water conservation BMPs and their impacts within the business and industry sectors in other Great Lakes states and provinces and other innovative jurisdictions.
4. Summarize findings that will advance Michigan water sectors' water conservation BMPs within the business and industry sectors to help contribute to Michigan's water conservation and efficiency program goals as well as practices that may also contribute toward achieving Michigan's climate and carbon neutrality goals.
5. Present project results and findings to the Water Use Advisory Council (WUAC), the council's Water Conservation and Efficiency Committee, and business and industry sectors to inform and advance innovation in their sectors' water conservation and efficiency practices and contribute toward achieving Michigan's climate and carbon neutrality goals.

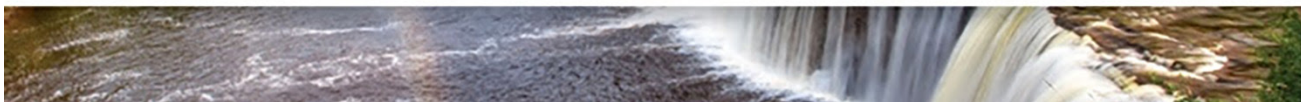
A webinar will be held Tuesday, July 25, at 2:00 PM to explain this funding opportunity. EGLE staff will present details of the RFP, the application process, and answer questions from the audience. The webinar is free, [but registration is required](#).

Complete applications must be received no later than 5:00 pm, Monday, August 28, 2023. Email Kimber Frantz, FrantzK@Michigan.gov, with the subject line "Water Conservation BMP Application" and the application attached as a PDF file. Maximum attachment size is 10 megabytes. Applicants unable to submit by email should contact Kimber Frantz by email or phone, 517-275-0829.

Questions or comments regarding the program or application process may be directed to OGL's Great Lakes Senior Advisor and Strategist Emily Finnell, FinnellE@Michigan.gov or 517-599-1330; or Great Lakes Policy Specialist Simon Bélisle, BelisleS@Michigan.gov or 517-331-6390.

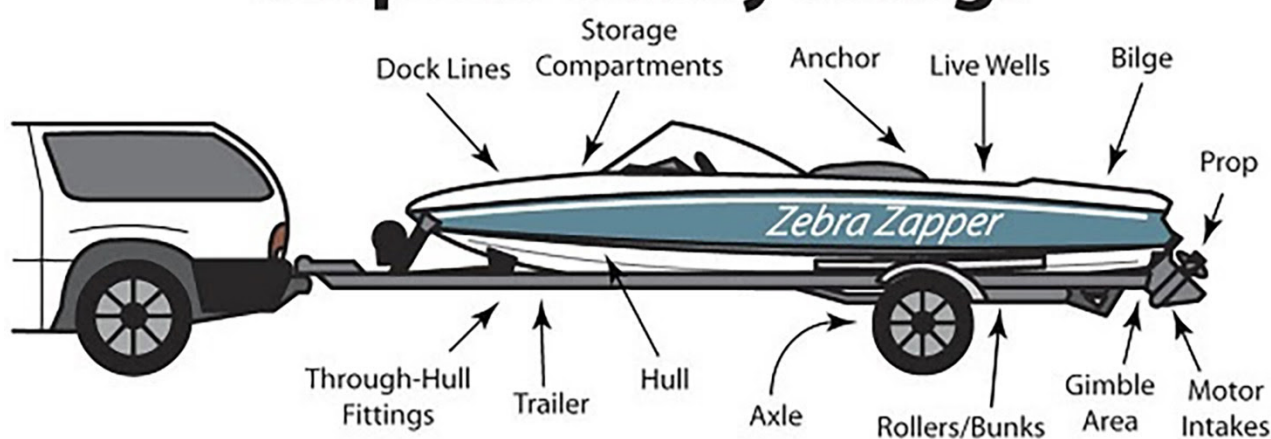


MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Michigan
Invasive Species Program

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."

Thursday, August 10, 2023, 9:00 a.m. to 10:00 a.m.

[Why, Oh Why Won't They Clean, Drain and Dry? Understanding Impediments to Boater and Angler Behavior Change](#)

Aquatic invasive species continue to be spread by boaters and anglers, primarily by those who travel between waterways without cleaning their equipment. Well, why aren't people cleaning when we know the risks of spread? Daniel Hayes from the MSU Department of Fisheries and Wildlife and students from his lab interviewed a thousand boaters and anglers to understand just that. Hayes will share what they've learned about motivations

and barriers to equipment cleaning, perceptions of invasive species spread and other interesting results.

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.



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.

July 17, 2:30 PM: Addressing nonpoint source pollution through EPA's National Nonpoint Source Program. Presented by Ellie Flaherty, Adrienne Donaghue, Don Waye, Jake Greif, Steve Epting, and Margot Buckelew, U.S. Environmental Protection Agency. [More details.](#)

July 25, 1:00 PM: Landscaping over septic systems. Presented by Beth Clawson, Michigan State University Extension. Host: Michigan State University Extension. [More details.](#)

July 25, 2:00 PM: Aquatic invasive species in commerce - July summit. Host: Aquatic Invasive Species in Commerce. [More details.](#)

August 17, 1:00 PM: Conservation planning in municipalities: Case studies of urban wetlands and waterways. Presented by Ronda Burnett, Missouri Department of Conservation. Host: Society of Wetland Scientists. [More details.](#)

August 20-24: 153rd American Fisheries Society Annual Meeting, Grand Rapids, Michigan (*hybrid event: virtual and in-person options*). Host: American Fisheries Society. [More details.](#) \$

September 6: Understanding algal blooms: State of the science conference (*hybrid event: virtual and in-person options*). Host: Ohio Sea Grant. [More details.](#) \$

September 18, 9:00 AM: Knowing your septic system - SepticSmart 2023. Presented by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Onsite Wastewater Program. Host: Michigan EGLE. [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 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.

[Click here to Join MWA](#)

[Visit the Michigan Waterfront Alliance Web Site by Clicking Here](#)

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