



Michigan Chapter North American Lake Management Society

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www.mcnalms.org

Spring 2016

Presidential Ponderings...



By: Lois Wolfson, McNALMS President

It is a pleasure to serve as this year's President of McNALMS. Our focus of course is on Michigan lakes, and we are continually striving to protect and preserve this amazing freshwater resource and ensure that it remain a priority for regulators, managers, and the citizens of the state. To do this, we partner with a number of other nonprofit organizations, state agencies, Universities, and individuals to help get our message out and build capacity for lake management and protection. We are currently getting ready for the biennial Michigan Inland Lakes Convention at Boyne Mountain this April 28-30. We are one of many organizations co-sponsoring and supporting this program and are excited to hear from numerous researchers, practitioners, educators and managers on multiple topics concerning inland lakes.

We also support student research projects that address critical inland lakes issues. This year's Lake Research Grants Program recipients are Anna Boegehold, PhD candidate in the Department of Biological Sciences at Wayne State University and Emily Kindervater, MS candidate in the Annis Water Resources Center at Grand Valley State University. Anna will be conducting an "Assessment of Cyanobacteria to Suppress Growth and Development of Dreissenid Larvae." Understanding how these veligers are affected by cyanobacteria can aid in the development of a dreissenid-specific control method by identifying and isolating cyanobacteria compounds that impact the mussels. That information will assist lake managers when dealing with zebra and quagga mussels. Emily's project is entitled, "Phosphorus Retention in West Michigan Two Stage Agricultural Ditches". The focus of Emily's project is on two-stage ditches and their ability to retain phosphorus compared with traditional ditches. The information gained from this research will improve the effectiveness of the two-stage ditches within the Lake Macatawa watershed where the study will occur and provide the groundwork for new best management practices to reduce phosphorus load to lakes.

More information about these projects, other programs and updates from our national affiliation, the North American Lake Management Society, are available on our website (www.mcnalms.org). In this issue, you'll also read about wake boats, more on the Lake Convention, and our efforts to get more University students involved in McNALMS.

Wakeboating in Michigan, Impacts & Best Practices

A popular recreational activity is the use of Wake Boats for wake boarding. These types of boats create huge waves and may be detrimental to lake shorelines, bottom plants and sediments, and other recreationalists. What is the real impact of these boats from an environmental, safety-wise, and economical perspective? Two students, Erin Jarvie and Marlena Smith, taking a Water Policy and Management course at Michigan State University recently addressed that issue as for their class project and provided their report to McNALMS. Below is an excerpt from their report.



Wake boats are a type of inboard motorboat, built for specific water sports. Wake boats generally have an inboard v-drive or stern drive (both types of inboard motors) configuration, which puts the motor in the back and/or underneath the bottom of the boat, and are modified using a wedge device and/or ballast tanks or bags that can weigh upwards of 1750 pounds when filled to create a larger wake.

Wake boat propellers can churn up sediment that settles to the bottom of the lake, silting in fish spawning habitat and smothering aquatic vegetation. This turbulence can also churn up nutrients such as phosphorus that could increase algal growth, turning the lake water from a beautiful blue to a less than attractive green over time. Because wake boats produce a larger wake, there is more potential for erosion on shorelines compared to other motorboats.

You can read their report by clicking [here](#).

Introduction to Lakes

Michigan is blessed with more than 11,000 inland lakes, each providing unique recreational, scenic and environmental benefits. These inland lakes are complex ecosystems, and are often negatively impacted by both the people that live near them as well as the water that drains into them. Frequently, local communities struggle to protect and manage inland lakes in a way that incorporates the best available knowledge and resources. Concerned citizens, decision makers, local leaders, resource professionals and lakefront property owners can learn about inland lake management and protection by enrolling in the Introduction to Lakes online course.

The 6 week course consists of: Video lectures, Discussion forums, Interactive activities, Additional resources, Quizzes, Live chats with instructors, and a certificate of completion.

For course dates & details: [Introduction to Lakes](#)

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MWA Mission Statement "This corporation is formed to protect, preserve and promote the wise use of inland waters – lakes, streams, rivers, creeks and the waters and bottomlands of the State of Michigan.

Michigan Waterfront Alliance

Membership Application

Please help us in our efforts to be a legislative "Watchdog" to protect Michigan's Inland Lakes & Streams.

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Michigan State Extension, What's New?

2016 Clean Waters Clean Boats Training

Michigan Clean Boats, Clean Waters (CBCW) program volunteers make a big difference at local lakes by helping to prevent the spread of unwanted aquatic hitchhikers on boats, trailers, sporting equipment and other watercraft. These include the Eurasian water milfoil, curly leaf pondweed, zebra mussel, spiny water flea, rusty crayfish, and more. In Michigan it is unlawful to put any watercraft and carrying trailer into a body of water if there is visible vegetation clinging to it. This helps but there is more that you can do. You can become a Clean Boats, Clean Waters volunteer leader.

Green isn't Always Good

The days are finally on a warming trend, and the last piles of snow are melted away. Red twig and red osier dogwoods are blushing, and willow tops are showing yellow-gold. Now that the backyard lawns and winter wheat fields are greening up, we can also see a faint green tinge along many forest edges and roadways. But not all green is good. Some of the earliest shrubby bud-breakers are exotic invasive plants that need to be removed.

Michigan Expands Emerald Ash Borer Quarantine

With the addition of four counties there remain only three counties in Michigan not subject to emerald ash borer quarantine restrictions. Movement of all hardwood firewood and regulated pulp and log material is restricted as a result of the expansion.

The addition of four new counties, Baraga, Dickinson, Marquette and Menominee to the long list of those subject to emerald ash borer quarantine regulations was announced by the Michigan Department of Agriculture and Rural Development on Feb. 10, 2016. This leaves only Gogebic, Iron and Ontonagon on the western end of the Upper Peninsula that are outside of the restricted area.

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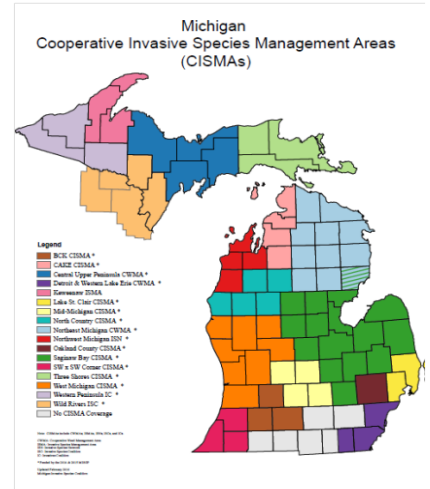
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From the McNALMS News Desk...

Michigan Invasive Species Coalition

The Michigan Invasive Species Coalition was designed to bring support to regional and local efforts to control invasive species in Michigan. By providing additional networking capabilities and bringing different groups together, they have been making resources available to individuals, groups, and associations across the state. This has allowed the ability to increase effectiveness of control, address challenges, educate and ultimately control exotics that may have been overlooked previously. Are you looking for a way to get involved with your local fight against invasive species? Or become more aware of what is hiding in your backyard? The coalition has divided the state into 8 regions with over 17 individual CISMA programs. A Co-operative Invasive Species Management Area or CISMA program is local to your area and allows direct resources to you. The CISMA programs have education and training seminars as well as many community awareness programs and volunteer opportunities to aide in the fight to protect Michigan from invasive species.

Please go to michiganinvasives.org to get involved!



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Now Available!

Download your free copy of Lake Management in Michigan with an Improvement Board

By Howard Wandell, et al

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Science Leadership

A Formula for Successful Lake Protection and Management

April 28-30th, 2016

Boyne Mountain, Boyne Falls MI

2016 Michigan Inland Lakes Convention



The Convention will educate, engage, and empower the individuals who work, live and play on Michigan inland lakes. The three day conference will include educational presentations, in-depth workshops, plenary addresses, receptions, door prizes, and plenty of networking opportunities focused exclusively on Michigan's 11,000 inland lakes with dozens of non-profit and business exhibitors showcasing their projects, resources and services.

The plenary addresses will feature Rebecca Williams, reporter and producer of the Michigan Radio show "The Environment Report" and David Mifsud, herpetologist, wetland ecologist, and owner of Herpetological Resource and Management.

Session and workshop topics will include

- Lake Protection Tools for Local Governments
- Natural Shorelines
- Aquatic Invasive Species Management
- Current Lake Research
- Riparian Law
- And Much More!

www.michiganlakes.msue.msu.edu

This event is being brought to you by the Michigan Inland Lakes Partnership, launched in 2008 to promote collaboration to advance stewardship of Michigan's inland lakes. The Convention is a cooperative effort between the many public and private organizations that make up the Michigan Inland Lakes Partnership.



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