



Michigan Chapter North American Lake Management Society

P.O. Box 4812
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www.mcnalms.org

Spring 2015

Presidential Ponderings...



By: Bindu Bhakta, McNALMS President

During the time I have been involved with McNALMs, I am struck by how knowledgeable and passionate members are, their willingness to share and their dedication to Michigan's inland lakes. Most striking is the willingness to collaborate. Whether you live on a lake, educate others about lake ecosystems, manage lakes, or something else in between, there is an amazing network in Michigan that makes it possible to obtain the information you need when you really need it. Here are some ways to build your capacity to be a lake leader and which will in turn strengthen the type of collaboration we will increasingly depend on in Michigan into the future:

Get yourself more involved in McNALMS. Get others involved as well! We appreciate your support as a member. From the combination of education you have acquired and the lake work you are involved with, you likely have a great deal of experience. Consider telling neighbors about McNALMS. Bring a guest to one of our educational luncheons. Encourage a student to submit a proposal for funding from the new Lake Research Grant Program which McNALMS partners with MLSA on to provide funding for lake research projects. Attend a McNALMS Quarterly Board meeting to find out more about McNALMS and how you might get more involved.

You need not go very far to access the lake resources/expertise you need. Michigan has an amazing set of statewide organizations whose interests are focused on lakes, and which has figured out how to work well together when it comes to lake matters. Some examples of collaborating statewide organizations include the Michigan Natural Shoreline Partnership (MNSP), Michigan Inland Lakes Partnership (MILP), Michigan Lake and Stream Associations (ML&SA), Michigan Waterfront Alliance (MWA), etc. If you missed the annual Shoreline and Shallows Conference offered this past March, check it out next year. ML&SA's Annual Conference is coming up on May 1-2, 2015. The Michigan Inland Lakes Convention (MILC), a mega-collaboration of inland lake partners, is planning their next conference in Spring 2016. Of course Lake Associations, Watershed groups and other organizations offer education as part of their activities. There is an endless list of other opportunities out there.

Don't forget to check out national lake resources. A great way to learn about how other states manage their lakes and ideas that we might implement in Michigan is by attending a national lakes conference. For example, the NALMS 2015 International Symposium is being held November 17-20 in beautiful historic Saratoga Springs, New York.

Michigan Invasive Species Grants Program

The Departments of Natural Resources, Environmental Quality and Agriculture and Rural Development have partnered to address strategic issues of prevention, detection, eradication, and control for both terrestrial and aquatic invasive species in Michigan. The main objectives of the MISGP are to:

- Prevent new introductions of invasive species through outreach and education
- Monitor for new invasive species as well as expansions of current invasive species
- Respond and conduct eradication efforts to new findings and range expansions.
- Manage and control key colonized species in a strategic manner.

Over 4 million dollars has been awarded to 20 different initiatives related to invasive plant management. Below is an example of some of the approved projects.

- Invasive Species Public Awareness Project
- Phragmites Eradication Project
- Innovative and multifaceted control of invasive Eurasian & hybrid milfoil using integrative pest management principles.

For a full list of approved projects or for more information on the MISGP please [click here](#).

McNalms, Protecting and Managing Michigan's Inland Lakes

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Two Student Research Projects Receive Grant Funding

McNALMS and the Michigan Lake and Stream Associations (MLSA) are pleased to announce the recipients of this year's Lake Research Grants Program. They are Joe Nohner from Michigan State University (MSU) and Delilah Clement from Grand Valley State University (GVSU).

Joe is a graduate student in the Department of Fisheries and Wildlife at MSU. His research for this grant will focus on the social, cultural, and economic factors underlying lakeshore property owners' willingness to conserve natural aquatic habitat on their properties. Previous research has shown that changes in habitat and shoreline development influence fisheries productivity. The information he gathers along with his ongoing research on largemouth bass populations will help provide a better understanding of factors influencing the decisions of landowners to remove vegetation and woody habitat and potential effects on the fisheries resource. It will also help practitioners and lake organizations better tailor their conservation efforts to mitigate changes to the natural shoreline.



Delilah is a graduate student at the Robert B. Annis Water Resources Institute at GVSU. Her research will look at phosphorus loss via tile drains in the Macatawa Watershed. She plans to collect tile drain effluent, record land and management factors, perform bioassays on algae using the effluent, and determine if soluble reactive phosphorus concentrations in relation to total phosphorus from drain tile has a significant effect on algal growth. Her research will lead to a better understanding of the relationship between tile drain phosphate and algal blooms in the Macatawa watershed and Lake Macatawa.



The overall goal of the student grants program is to promote student research and outreach for enhancing lake management. Projects that increase the understanding of lake ecology, build lake partnerships and/or expand citizen involvement in lake management are eligible for consideration. The next grant proposal cycle will begin in early 2016.

McNALMS and MLSA congratulate the two recipients and look forward to their sharing of information on their research results.

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.

Annual dues:

Individual membership \$50 - Lake Associations \$100

Corporations \$200

Please print:

Name _____

Date _____

Street _____

City _____ State _____

Zip _____ County _____

Phone _____

Email _____

Make checks payable to: Michigan Waterfront Alliance

Send dues and contributions to: Michigan Waterfront Alliance

PO Box 369 Fenton, MI 48430

ML&SA Conference Reminder

Join the Michigan Lake and Stream Association (ML&SA) at the Boyne Mountain Resort in beautiful Boyne Falls on Friday and Saturday, **May 1st & 2nd, 2015** as they celebrate their 54th Annual Conference.



The theme of the 54th ML&SA Annual Conference is entitled "Managing Aquatic Invasive Species in Michigan's Inland Lakes" and will include workshops and a diverse array of presentations given by expert speakers that will focus on the importance of prevention, early detection and eradication, community involvement as well as the latest technologies, methods and strategies for controlling and managing aquatic invasive plants and animals in inland lakes.

There is still time to register for this educational and informational weekend. [Click here](#) to register for the ML&SA Annual Conference and/or the MiCorps CLMP Training Program.

[Click here](#) to download the Annual Conference Agenda.

[Click here](#) to download the MiCorps CLMP Training Event Agenda.

Corporate Members Corner

For nearly three decades, the water resource specialists at **Progressive AE** have collaborated with communities across Michigan on lake and watershed management projects. Progressive AE works with clients to improve water quality, control invasive species, preserve natural habitat, and implement strategies that enhance Michigan's valued water resources. The water resources team is supported by our civil engineers, landscape architects, and geographic information system specialists. They provide workable solutions to complex water resource management problems.

View Progressive AE's water resources web site at:
www.michiganlakeinfo.com.

Services Include:

- Lake improvement feasibility studies
- Invasive aquatic plant control
- Lake and watershed management plans
- Water quality monitoring
- Community outreach and education programs
- Geographic information system mapping and analysis
- Dam safety inspections and design
- Legal lake level studies and proceedings
- Project organization and financing assistance

From the McNALMS News Desk...

Approximately 43% of Michigan residents rely on onsite wastewater (septic) systems to handle waste water from their homes and businesses. That's over 1.2 million septic systems in use in Michigan today and it's estimated that at least 10% of these are in some level of failure.

MSU Extension is hosting a live webinar, "**Septic Systems: Insight Into Your Onsite System**" on Monday, April 20 from 1:30 to 3:30 P.M. This program will cover what a septic system is, how it works, best management practices to protect the system and human health, how to identify trouble in the system and steps to take if a problem occurs.

The live webinar will include presentations by the Department of Environmental Quality (DEQ) and Macomb County Health Department Sanitarian Supervisor with 29 years of septic and well experience. The presentations will be followed by a live question and answer session via the chat box.

To join this **FREE** webinar, you must pre-register at <http://events.anr.msu.edu/septicinsight/>. You will receive a confirmation email upon registration and log in instruction at least 48 hours prior to the webinar.

Deadline to register is Friday, April 17, 2015. After that date, please contact Maureen at [586-469-6440](tel:586-469-6440) for information on late registration.

McNALMS Corporate Members

- **Aqua-Weed Control, Inc.**
- **LakePro**
- **PhycoTech**
- **PLM Lake and Land Management Corp.**
- **Progressive AE Water Resource Group**
- **Restorative Lake Sciences**



U.S. National Climate Assessment Reports

On May 6, 2014, the U.S. Global Change Program released The Third National Climate Assessment. This report reviews current and projected changes in climate, impacts of these changes on U.S. regions and sectors (such as agriculture, transportation, and public health), and options for responding. The goal of the Assessment is to better inform all levels of public and private decision-making. The report is the result of a three year collaboration between public and private interests that included scientists, government representatives, business, and the general public. To view full report or learn more about the key messages from the assessment please [click here](#).

McNALMS Board Members 2015

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