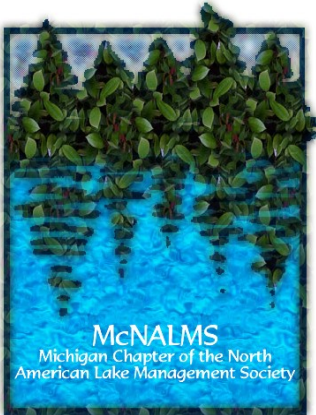


LAKE EFFECT

January 2011



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Presidential Tidbits by Ted Batterson

Well it is hard to believe that my time as President of McNALMS will have ended by the time you read this. The year went by way too fast and I am very pleased by all that was accomplished during the year. The conference that took place on October 1 at the RAM Center at Higgins Lake, entitled "Taking Charge: Lake and Shoreline Management at the Local Level" was a huge success which would not have been possible without all of the time and effort expended by the conference committee and to them I extend a huge THANKS!. I also want to

welcome all of our new members, and thank both them and our continuing members for their support, without which our chapter would not be able to achieve our mission which is to promote the understanding and comprehensive management of Michigan's inland lake ecosystems. But not only do we need your membership dues, more importantly as a volunteer organization, we need people to be willing to give of their time to serve as elected officials, Directors at Large, committee members, conference speakers, or in other capacities to achieve our mission. I want to

thank all of you who have given of your time in serving our organization and would encourage others to get directly involved – we would welcome your participation. I also want to thank you for letting me serve as your President and I want to welcome the incoming President, Jo Latimore, who I know is going to do a great job!

Notes from the Executive Director by Howard Wandell

Getting Started

It's late November. The lake isn't frozen yet, but it will be soon. All the lake "toys" are put away and it's time to change priorities. Yes, the cross county skies are waxed and ready, but winter can also be a good time to reflect on all the summer projects.

I personally find it more enjoyable to be on the lake, with the sun warming my back collecting water samples, than sitting in a lamp lit room on a cold night trying to discern the mean-

ing of a page full on numbers. However, without the latter activity the former has little meaning.

I'm certain that more water quality data is collected than gets analyzed and put to work. For many lake communities the issue is where to start. That first step can be a very large one.

For those lake communities that now have several years of data, but have not put it to use, may I suggest a winter project. Go to the web site

www.sera17.ext.vt.edu/Documents/Procedure_Aquatic.pdf and download the publication, *A Procedure to Estimate the Response of Aquatic Systems to Changes in Phosphorus and Nitrogen Inputs*

Use the data collected and this publication to determine the type of lake the community has.

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Remembering Don Winne - A Champion for Michigan Lakes

This summer Michigan lost a champion who had worked tirelessly to protect our lakes. On August 3rd, Mr. Don Winne passed away. There are probably few, if any individuals that have done more, for longer to promote the cause of lake management than Don Winne. Riparian property owners, recreationalist, anglers, stakeholders and citizens owe much to the man from Corey Lake.

Mr. Winne became involved in lake issues in 1970 when he joined his association at Corey Lake in St. Joseph County. He would eventually become president of the Association and advanced several significant projects for the community. But, Don's vision was larger than just his own lake.

In 1973, he attended a conference in Tustin Michigan hosted by a new organization known as Michigan Lake and Stream Associations

(MLSA). This new organization was trying to expand lake management beyond the individual lake to a statewide cause. Don caught the vision and got involved. It wasn't long before the MLSA Board noticed Don's work and enthusiasm and ask him to fill the new executive director position. Don accepted and for the next 35 years he led MLSA from a small little noticed organization to a statewide society with significant influence in water resource management in Michigan. Don also assumed responsibility as publisher for The Michigan Riparian magazine. The Riparian became the premier publication addressing lake's issues in Michigan and one of the finest such publications in the country. It would be difficult to list Don's numerous accomplishments. However, we could summarize them by saying that Don would go anywhere, at any time to lend a hand to any community that wanted help

managing their lake.

Thank you, Don!



ML&SA News and Views by Scott Brown, ML&SA Executive Director

First of all, on behalf of the entire Michigan Lake and Stream Associations team, we offer a hearty thank you to the members of the Michigan Chapter of the North American Lake Management Society for all of the great support that your organization provided to ML&SA in the past year! We look forward to continuing to work with McNALMS in the future toward a common goal of improving the scope and quality of inland lakes management in Michigan.

Thanks to the hard work and dedication of our Board of Directors, our Officers, our statewide network of volunteers and our small staff, the past year has been a very fruitful one for ML&SA. We are very thankful that Michigan Lake and Stream Associations has managed to thrive in a challenging Michigan economy while many other non-profit organizations have been forced to go

out of business or have drastically reduced their level of community involvement. We thankfully attribute our success to the hard work and dedication of our team, our loyal membership as well as to our unique and effective alignment with the Michigan Lakes and Streams Foundation, The Michigan Riparian magazine and the Michigan Waterfront Alliance. We are equally thankful for the support of our collaborative partners including the Michigan Clean Water Corps (MiCorps), the Michigan Inland Lakes Partnership, the Michigan Natural Shoreline Partnership as well as to the Michigan Chapter of the North American Lake Management Society. The past year has certainly once again highlighted the power and effectiveness of collaborative partnership!

Our plans and tasking for the new

year have been clearly outlined by November's election, the on-going challenge Michigan faces in managing aquatic invasive species as well as an increasing disregard for riparian rights, civility and the rule of law in many of our inland lake communities. It has become increasingly evident that the role of local government in managing our water resources will become even more critical in the years and decades to come. We look forward to working with the Michigan Chapter of the North American Management Society in fostering greater local government involvement in protecting and managing Michigan's most valuable natural resource.

2010 Conference on Lake & Shoreline Management a Success

The McNALMS 2010 conference, "Taking Charge: Lake and Shoreline Management at the Local Level" at the Ralph A. MacMullan (RAM) Center was well attended and received very favorable comments. Evaluations were received from about half the attendees. Every presentation received favorable comments and almost everyone liked the new format.

For the 2010 conference McNALMS changed the format from previous conferences from covering many topics with short presentations to offering a limited number of topics but addressing them in greater detail. With the significant support for this type of format, the 2011 McNALMS conference will follow the same blueprint. Committee planners will continue to take input and evaluate the

new format for conferences beyond 2011. For copies of the powerpoint presentations from the conference, go to www.mcnalms.org.

Many suggestions for future conferences topics were offered by conference attendees. Committee planners will review these suggestions and structure the 2011 conference around some of the more popular issues.

The RAM Center had very limited space for exhibitors near the session rooms. Consequently, the RAM Center facilities were not conducive for McNALMS corporate members to interact with conference attendees. Committee planners will for future conferences be selecting a venue with adequate space for exhibits.

At the 2010 conference McNALMS presented its second lifetime achievement award. The award went to Dr. Niles Kevern for his 40 plus years of research, teaching and outreach to promote water resource management in Michigan. Dr. Kevern has been a champion for lake management in Michigan and a friend to those working in this field. The first lifetime achievement award was presented to Mr. Carlos Fetterolf a few years ago.

The 2011 McNALMS conference will return to the Kettunen Center in Tustin, south of Cadillac. The date is set for Friday, September 23rd. Put the date on your calendar and we hope to see you there.

Tracking Bloodsucking Fish

Each sea lamprey in the Great Lakes can destroy up to 40 pounds of fish during its lifetime. The Great Lakes Fishery Commission has been responsible for sea lamprey control since 1955, and they have used various methods to control sea lampreys at different stages of their life cycle. Adult sea lampreys spawn in Great Lakes streams, and the young larvae spend an average of 3-6 years as harmless filter feeders that burrow in the streambed until they can get large enough to become parasites and head out to the Great Lakes to feed on large-bodied fish such as lake trout and Chinook salmon. The primary means of controlling the species is to apply a chemical that specifically kills lampreys to streams containing the greatest numbers of large larval sea lampreys.

Little is known about the movement of larval lampreys in streams, but anecdotal evidence suggests that as

larvae get larger they move closer to the mouth of the stream and move out of soft silt habitat and into coarse sand habitat. Inland lakes with an uninterrupted connection to a Great Lake can also be used by larval lamprey as rearing habitat. A better understanding of timing, distance, habitat preference, and frequency of movements of large larvae should help us to properly locate and estimate larval lamprey abundance and hopefully improve stream chemical treatments. Danielle Harbin and Dr. Heather Dawson of University of Michigan-Flint, in collaboration with U.S. Geological Survey and Department of Fisheries and Oceans Canada, are tagging and tracking large larval lampreys downstream of Black Mallard Lake in the Black Mallard River, Presque Isle County, Michigan. So far, little movement of individual lampreys has been observed, but during 2011 many more lampreys will be tagged and lampreys tagged during 2010 will continue to be

tracked during 2011.

Controlling sea lamprey is a continuing battle, and researchers and sea lamprey control agents need the most accurate information possible and cooperation from the public to do their best work controlling these bloodsuckers.

Sea lamprey researchers and control agents depend on access provided to them by people who own private land on or around streams and lakes that contain sea lamprey in order to try and kill the most sea lamprey possible. Killing more sea lampreys means increased health of lake trout and Chinook salmon populations, and hopefully more fishing opportunities!

Danielle Harbin is a graduate student at University of Michigan-Flint. Heather Dawson is an Assistant Professor at University of Michigan-Flint.

Natural Shoreline Conference Scheduled for March

Shoreline development along inland lakes often results in the wild native shore being replaced with seawalls, rock and lawns down to the water's edge. As a result, many lakes have little or none of their original vegetation. The reintroduction of natural shorelines through the use of green landscaping technologies and bioengineered erosion control help to stabilize eroding soils slow pollutant runoff, deter geese, improve fish and wildlife habitat, and revitalize the ecological function of the lakeshore.

The first annual conference of the Michigan Natural Shoreline Partnership (MNSP) will address this topic during a conference on "Shoreline and Shallows Conference: Modern

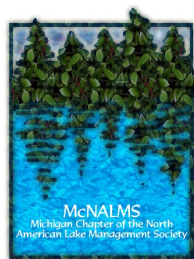
Lakeshore Revitalization." Topics will include fish and wildlife habitat structures, public perceptions on natural landscapes, status and trends of Michigan inland lakes, advanced bioengineered shoreline techniques, and case studies on revitalization projects in Michigan. The cost to attend is \$25, which includes lunch. Existing Certified Natural Shoreline Professionals can earn four credits towards re-certification by attending this conference.

The conference will be held Wednesday, March 9, 2011 at the Kellogg Center on the Michigan State University campus in East Lansing, and runs from 9:30am – 4:15pm.

It is being sponsored by the Michigan

Natural Shoreline Partnership with support from the Michigan Department of Natural Resources and Environment, Water Resources Division; Institute of Water Research, Michigan State University; MSU Extension Land and Water Unit, Kellogg Biological Station; Michigan Sea Grant; Michigan Lake and Stream Associations, Inc.; Wildtype Design, Native Plants & Seed Ltd., Michigan Native Plant Producers Association, Michigan Chapter, North American Lake Management Society, and the Michigan Association of Conservation Districts. It is also being endorsed by the Michigan Inland Lakes Partnership.

For more information, contact: contact John Skubinna, Michigan Department of Natural Resources and Environment at skubinaj@michigan.gov, 517-241-8370, or Lois Wolfson, Institute of Water Research, Michigan State University at wolfson1@msu.edu, 517-353-9222. To learn more about the conference or to register online, visit: www.mishorelinepartnership.org. Walk-ins are limited and lunch may not be available.



Lake Improvement Board of Bear Lake - November, 2010 Update

By Don Brisbin and Jack Sawka

Eurasian watermilfoil - EWM (*Myriophyllum spicatum*) was first reported in Bear Lake in 1999, but the report gained little notice. It was in 2006 that a DNR Manager encouraged property owners to take action. A community council was established. In 2007, the council recommended to the three local municipalities in which the lake is located that a Lake Improvement Board (LIB) be established. The three municipalities voted to accept the recommendation and the first meeting of the LIB was held in August of 2007. By the Spring of 2008, public meetings were held and all legal requirements were met to establish a Special Assessment District.

In 2008, EWM was present in about 330 acres of the total 1800 acres. The original plan called for treatment of both chemicals and weevils. But after the first chemical treatment 2008, the plan was modified

after strong winds carried chemicals into areas intended for weevils. All subsequent treatment consisted only of chemicals, primarily 2-4 D. The 2009 treatment called for only 11 acres to be treated. A study conducted several months after the 2010 treatment of 5 acres showed no EWM present in the lake. Unit assessments were reduced from their high of over \$300 per year to the current level of the last two years of about \$50 per year.

The LIB could play no formal role in treating Phragmites found near the lake's shoreline because the invasive plants were not in the lake. But individual members of the LIB participated with a group of property owners who personally volunteered a 50/50 match of funds to those spent by the company on whose land the phragmites resided. It appears that the phragmites have been destroyed.

The LIB understands that it cannot eliminate invasive species, but can only control them. Thus, the LIB recognizes that it must remain vigilant and ready to act.



ML&SA 50th Annual Conference

Our Golden Anniversary Event

April 15th & 16th, 2011

Boyne Mountain Resort

On Friday and Saturday, April 15th & 16th, 2011, Michigan Lake and Stream Associations will hold its 50th Annual Conference at Boyne Mountain Resort in Boyne Falls. Our team is proud to be carrying the ML&SA banner into our golden anniversary – a year that underscores the significant achievements and contributions of previous generations of committed volunteers and staff. We will mark this very special occasion by recognizing and honoring the people whose hard work and dedication have made our 50th Annual Conference possible.

We encourage anyone with an interest in Michigan's freshwater resources to join us on this special Friday and Saturday in mid-April. It is your participation that will help make our golden anniversary celebration a memorable one ! We look forward to greeting everyone in Boyne Falls !

Calendar of Events

Jan 26 – 28, 2011

Michigan Association of Townships conference, DeVos Place and Amway Grand Plaza, Grand Rapids, MI.

Feb 16 – 18, 2011

Michigan Association of County Drain Commissioners annual winter conference at Grand Traverse Resort and Spa, Acme, MI.

Mar 8, 2011

The Great Lakes: Partnership for Protection & Restoration. Michigan State University, East Lansing, MI. Visit www.iwr.msu.edu/events/ANRWeek for more information

Mar 8 – 10, 2011

Michigan Stormwater-Floodplain Association conference, Double Tree Hotel, Dearborn, MI.

Mar 9, 2011

Michigan Natural Shoreline Partnership first annual conference at Michigan State University Kellogg Center. For more about the conference visit the web site www.mishorelinepartnership.org.

Apr 15 – 16, 2011

Michigan Lake and Stream Associations, Inc. 50th annual conference, Boyne Mountain Resort, Boyne Falls, MI. For more information see www.mlswa.org.

July 13 – 15, 2011

Michigan Association of County Drain Commissioners annual summer conference at Crystal Mountain, Thompsonville, MI.

Sept 23, 2011

Michigan Chapter North American Lake Management Society annual conference at Kettunen Center, Tustin, MI. Information will eventually be on the website.



Michigan Natural Shoreline Partnership will be conducting two additional full day training seminars for professional staff interested in conducting homeowner workshops and events on bio-engineering and natural landscaping methods. For more information about these seminars visit the web site www.mishorelinepartnership.org.

March 29, 2011 at Marshall Public Services Building, 900 S. Marshall, Marshall, MI.

April 1, 2011 at University Center 80 Livingston Blvd. Gaylord, MI.

The Southeastern Wisconsin Regional Planning Commission has a new free publication on buffers and environmental corridors and why they are important. Go to the web site www.sewrpc.org and pick "environment" on the top menu bar and then go to "recent publications".

If you have not seen the Michigan Inland Lakes Partnership web site, it is worth a visit www.michiganlakes.msue.msu.edu

Continued from page 1 **Notes from the Executive Director**

Lakes are not just bowls of water. A lake's chemical, physical and biological characteristics govern how the lake will respond to influences such as pollution (nutrient) load and management actions. No lake management plan should be put in place without knowing the lake type and how this type of lake will respond to nutrient inputs and nutrient abatement activities.

Enjoy winter in Michigan, but also use this time to learn more about your lake and how to manage it. This winter's project can be an important first step in protecting your lake resource.

Thanks to our Corporate Sponsors for helping support McNALMS

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