

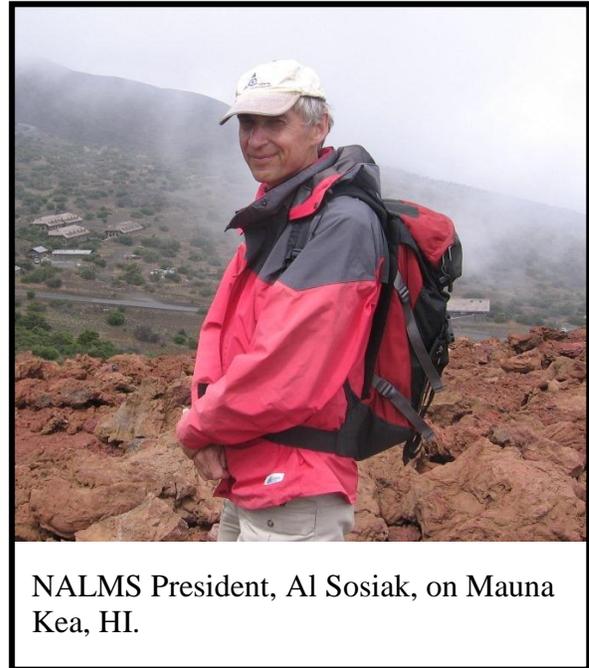
2012 NALMS Notes



June 2012

President's Message – Summer is Here

In my last message, I promised to continue reporting on decisions made by the NALMS board at the April mid-term meeting. A proposal for a student mentorship program was presented to the board, and a more detailed plan of action will be presented for approval at the October annual meeting prior to the annual symposium in Madison, WI. In recent years, NALMS has been working to enlarge our student membership, which has increased by 67% from 2010 to 2012 due to the generous sponsorship of NALMS members and outreach work by Student Director Dana Bigham and others. In order to increase their participation in NALMS, a mentorship program to engage students by providing opportunities for participation and professional development has been proposed. The program will pair a student with an active NALMS member who will be a friendly face at symposia and provide guidance and networking opportunities. More details will be presented at the annual meeting. The program will be tested at first with a small group of mentor-student member pairs. Please contact our Student Director, Dana Bigham (dlbigham@ufl.edu) if you might like to serve as a mentor in the trial run for this exciting and worthwhile new program.



NALMS President, Al Sosiak, on Mauna Kea, HI.

The other thing I'd like to report on is NALMS' significant involvement in a campaign to get the Government of Canada to reconsider their recent decision to close the Experimental Lakes Area (ELA) near Kenora, Ontario. ELA is perhaps best known for the groundbreaking controlled whole lake experiment on Lake 226 that conclusively and unequivocally demonstrated that phosphorus alone is most likely to limit phytoplankton productivity (algae growth) in northern temperate lakes. Leading edge research has continued at ELA, in such areas as mercury pollution, the effects of hormones present in sewage effluents, and the toxicity of degradation by-products of flame retardants. The decision to cut ELA has direct implications for NALMS and the science of limnology, but other scientific programs are also scheduled for closure, along with major changes to environmental legislation. NALMS has written a strongly worded letter to the Minister responsible for ELA, co-signed by many NALMS past-presidents. It is posted on the NALMS site. We also expressed support for a campaign to reverse this decision (www.saveela.org/). We urge NALMS members from both Canada and the U.S. to become familiar with the issue and communicate their views to the Government of Canada. Various options such as a petition and letter writing are listed

on the “Save ELA” site. The cuts will be approved in the coming weeks, so quick action is needed if we want to have an effect!

Don't forget that nominations for the NALMS board of directors close August 7. For more information see the spring issue of *LakeLine*. Also, July is Lakes Appreciation Month. For some great ideas on things you can do to celebrate your lake see:

<http://www.nalms.org/home/programs/lake-appreciation-month/lake-appreciation-month-home.cmsx>.

Al Sosiak
President – NALMS
Al.Sosiak@telus.net

WITHIN NALMS

Membership in Motion

When I was posed the question of how long I've been employed with NALMS during our audit last month, I realized that I have officially completed a full year of employment with NALMS. Wow, that went by fast! I've learned a lot over the last year, and I've met a lot of wonderful people. And I'm excited to continue growing into my role alongside NALMS' membership growth. A big thank you to NALMS staff, executive committee, board of directors, committee chairs, and NALMS members for making my first year with NALMS great!

Our summer membership efforts are currently underway, and we're working on processing renewals for members whose memberships will expire on June 30, 2012. We've had a good response to the early renewal reminders that were sent out by email in mid-May, and we've also followed this effort up with snail-mail reminders during the first week of June. If your membership is expiring, you can [renew on the NALMS website here](#) or you can [fill out a Membership Registration Form](#) and send it to the office. As always, call me at 608.233.2836 or email me at garenz@nalms.org with any questions. If you know of an individual that might be interested in joining, please contact me, and I will introduce them to NALMS.

Here's a BIG THANK YOU to everyone who renewed their membership or joined NALMS over the last month! The NALMS community is now made up of 937 members that are helping to foster the management and protection of lakes and reservoirs. We appreciate your lake management efforts and your support!

New NALMS Individual Members: Darren Akhurst, Jania Chilima, Sharon Gurney, Hollie Hall, Dragan Kaludjerovic, Tiffiney Kleczewski, Josette LaHee, Jesse Lepak, Terry O'Quinn, Walter Rast, Thomas Roberts P.E., C.F.M., Cynthia Swezey, Dreux Watermolen

Renewing NALMS Individual Members: Matt Albright, Janet Andersen, Terry Anderson, Richard Bailey, Lawrence Battoe, Ralph Bednarz, Nicki Bellezza, Peter Berrini, Christopher Berry, Victor Bierman, Peter Burgoon, Darcy Cashatt, Jesse Chadwick, John-Mark Davies, Paul Dearlove, Li Ding, Pam Dinkle, Paul Dinsmore, John Erdmann, Arlo Fast, David Ferris, Rolland Fulton, Lizanne Garcia, Jennifer Graham, Ray Hanowell, Bill Harding, Harvey Harper, Ronald Harris, Russ

Hoffman, Mark Hoyer, Laura Hubbard, Mark Jakubauskas, Doug Jewell, Brian Johnson, Robert Johnson, John Jones, David Jude, Leopold Keffler, Marty Kelly, Douglas Larson, Walt Lender, William Lewis, Scott Lowe, Fred Lubnow, Steve Lundt, Janis Markusic, Laurence Marsicano, Brian Mattax, Michael Meyer, Jane Nelson, Mike Nelson, Ted Peters, Isabel Ragland, R. L. Raschke, Mary Reuder, Robert Robinson, Mark Rosenkranz, Steve Schreiner, Randall Schultz, Matthew Scott, Marge Sidney, Megan Skinner, Thomas Slawski, Jason Smith, Mary Szafraniec, Darrell Taylor, Jeffrey Thornton, Daniel Tufford, Howard Wandell, Richard Wedepohl, Paul Weisser, John Wilks, Thomas Wimpy, Craig Wolf, Federation Of Vermont Lakes And Ponds

Renewing NALMS Affiliate Members: [Alberta Lake Management Society](#), [Washington State Lake Protection Association](#)

Renewing NALMS Corporate Members: [Aquatic Eco-Systems, Inc.](#), [Hach Hydromet](#), [Lycott Environmental, Inc.](#), [Princeton Hydro, LLC](#), [Tennessee Valley Authority](#), Water Resource Services

Renewing NALMS Non-profit Members: [Arrowhead Lake Association](#), [City Of Delafield](#), [South Tahoe Public Utility District](#)

Renewing Libraries: [Cornell University Library](#)

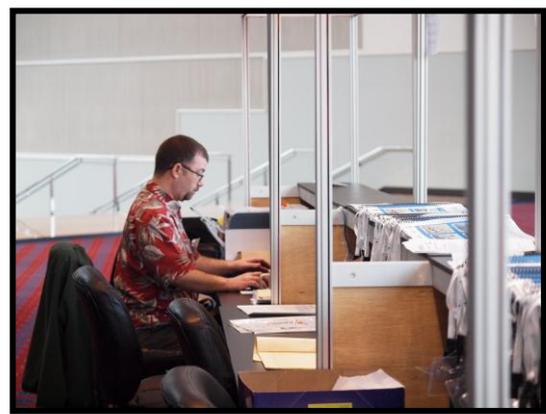
Finally, I like to close my little section of NALMS Notes by highlighting a membership benefit or opportunity that you may not be aware of. This past month, I've received a number of inquiries regarding how to pose a question or start a discussion with the NALMS community. NALMS has a number of social channels that are available for just this purpose. We have a growing membership base on our [NALMS facebook page](#) where you can find NALMS updates and connect with other NALMS members. [NALMS is also on LinkedIn](#), a professional social networking site where you can ask questions and post articles, promotions, and jobs to our discussion board. Within LinkedIn you will find a [general NALMS group](#), a [group for Certified Lake Managers and Professionals](#), a [group for NALMS Affiliate Members](#), and a [group for NALMS Student members](#). NALMS also maintains a [discussion group on Yahoo!](#) and finally, for those shutterbugs among us, you can also contribute to the lake photos on [NALMS' Flickr group](#) and be considered for NALMS Photo of the Month.

As always, please don't hesitate to take advantage of all your membership benefits and opportunities! If you have any questions or concerns about your membership, please contact me at 608-233-2836.

Greg Arenz
Membership Services Coordinator
garenz@nalms.org

NALMS Office Notes

Ah, peace and quiet! The phone is no longer ringing off the hook with conference questions. I have a way to go yet, but I'm starting to regain control of my email inbox. And I can actually take a day or two off once in a while to enjoy late spring in Madison. Between organizing the



National Monitoring Conference, our annual audit, and trying to get our house ready to put on the market (see last month's NALMS Notes), April and May were insanely busy. By contrast, June and July are pretty relaxed months before things start to pick up again in August when preparations for the next conference kick into a higher gear.

We, of course, still have plenty of work to keep us occupied. We're in the midst of finalizing many of the details for the Madison Symposium in November, such as registration fees, exhibit hall plans, workshops, and special events so we can get the conference website and online registration ready to launch in early- to mid-July. We're also still working on the National Monitoring Conference, paying the bills, looking at attendee survey results, and putting together our financial analysis of the conference. The National Water Quality Monitoring Council is even beginning to talk about locations for the 2014 conference.

There's still much to do, but not so much that when my wife asks me to take a day off so we can go to the zoo or go kayaking I can't do it. I have a feeling one of those days is coming soon.

Philip Forsberg
Program Manager

A Call to Action – Nominations for 2012 Elections **NALMS is now accepting nominations for 2012 Elections!**

NALMS is seeking candidates that will add diversity and breadth to the Board and its committees. You could become a nominee for a position on the NALMS Board of Directors, to take a more active role in steering the direction of activities that relate to these precious resources. Experience or training in lake management is not required for a board position, and we encourage candidates with expertise in nonprofit management, leadership development, marketing, fundraising, legal issues and membership growth and development to consider running for a Board position.

Nominations are being accepted for the following Board positions:

- **President-Elect**
- **Secretary**
- **Region 2 Director** – New York, New Jersey, Puerto Rico
- **Region 6 Director** – Arkansas, Louisiana, New Mexico, Oklahoma, Texas & non-US/non-Canada
- **Region 10 Director** – Alaska, Idaho, Oregon, Washington
- **Region 12 Director** – Alberta, British Columbia, Manitoba, Northwest Territories, Saskatchewan, Yukon
- **Student At-large Director** – North America and beyond

The President-Elect serves a three-year term including one year as President and one year as Immediate Past-President. The Secretary serves a two-year term. Regional Directors serve three-year terms and act and vote in the interests of the Society as a whole, while bringing regional concerns to the attention of the Board. The Student At-large Director serves a one-year term and acts and votes in the interests of the Society as a whole, while bringing student concerns to the attention of the Board.

Nomination Process

Any member may submit nominations. Candidates must be nominated by at least two members to be eligible and self-nomination is encouraged if supported by two other NALMS members.

Nominations are due no later than August 7, 2012 and must be made in writing (mail, fax or e-mail) and include an address, e-mail address and phone number for the nominee.

The Nominations Committee will screen nominees to ensure active membership and conformity with criteria for office, including, but not limited to:

- Demonstrated interest and participation in the Society;
- Leadership ability and other qualifications listed in the position requirements; and
- Willingness to accept the duties of office as outlined in the position requirements, including commitment to attend semi-annual board meetings.

Submit nominations or questions about Board position requirements to:

Philip S. Forsberg

NALMS

PO Box 5443

Madison, WI 53705-0443

phone: 608.233.2836

fax: 608.233.3186

e-mail: forsberg@nalms.org

Nominations for 2012 Achievement Awards

Each year NALMS recognizes individuals, organizations, and programs, corporations and projects that have contributed to the Society and to the science of lake and watershed management. Presented at the annual NALMS international symposium banquet, these awards were established to encourage the advancement of the principle goal of the North American Lake Management Society, that being the forging of partnerships among citizens, scientists, and professionals to foster the management and protection of lakes and reservoirs for today and tomorrow. These awards recognize outstanding efforts of our colleagues and encourage similar activities. The awards to be presented this year at the Society's 32nd Annual Meeting in Madison, WI (October 31 – November 2, 2012) include:

- Secchi Disk Award – for the **individual member** considered to have contributed the most to the achievement of NALMS's goals.
- Jim Flynn Award – for the **organizational member** considered to have contributed the most to NALMS's goal.
- Friends of NALMS Award – awarded to **individuals or corporations** making major contributions to NALMS. Recipients do not have to be NALMS members, and "contributions" extend beyond monetary donations.
- Technical Merit Awards
 - Successful Projects – for demonstrable success in achieving lasting improvements in water quality or recreational utility through lake or watershed management. Projects are evaluated with respect to project success, cost-effectiveness and benefit duration.
 - Volunteer Actions – for individuals or groups involved in documented grass-roots lake or watershed management efforts, with emphasis on local involvement, creative methods of funding and demonstrable success.

- Research Efforts – for individuals or groups performing research that contributes to the science of lake management. Selection criteria are relevance, approach and applicability. (Copies of journal papers should accompany nominations).
- Public Education/Outreach – for individuals, groups or programs that have creatively and effectively contributed to the development and dissemination of watershed management or related educational programs, materials or assistance.

A single plaque is given for each Technical Merit Award, although additional certificates can be provided where several individuals are responsible for a project. The Award Committee appreciates the assistance of nominators in ensuring that recipients are present at the Annual Banquet to receive their awards. The Awards Committee may also request photographs or other graphic materials be made available for the Award Presentation.

Eligibility

Recipients of the Secchi Disk and Outstanding Corporation awards must be NALMS members; otherwise these awards are open to any individual or organization contributing to lake science or management. Current NALMS board members and members of the NALMS Award Committee are not eligible for nomination.

Nominations

Any individual or organization may make nominations for these awards. To submit a nomination please provide the following information on the enclosed form:

1. Your name, title, mailing address, telephone number, and email.
2. Full name of the nominee (or project), present position, organization or affiliation, mailing address, telephone number, and email.
3. A 500-word, clear, concise, and complete description of the achievement to be recognized and statement of how the efforts of the individual or organization meet the award criteria.
4. Electronic transmission of the nomination form and supporting materials in preferred, but paper copies may be sent, but please send them early so that they can be converted to electronic format by the nomination deadline.

Deadline for Nominations

August 15, 2012

We know that there are many individuals, organizations, programs and corporations working hard each day to protect and enhance our lakes, ponds and reservoirs. Be sure that they receive the recognition that they so justly deserve by sending a nomination, with supporting documentation, to:

Awards Committee Chair, Dick Osgood

Email: DickOsgood@USInternet.com

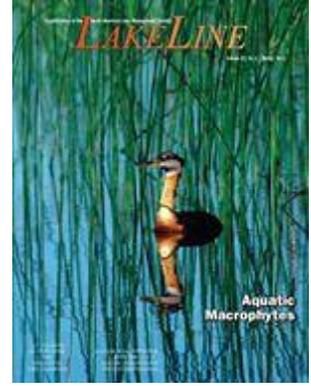
Please contact Dick with questions.

What's New in Lakeline?

NALMS is proud to announce the first issue of the 32nd volume of *LakeLine* magazine featuring articles on Aquatic Macrophytes from across North America. *LakeLine* is a quarterly publication of the NALMS. Every NALMS member receives the magazine and as such NALMS uses it to inform

and educate readers about current issues related to lake management as well as to keep NALMS members informed on the Society's business and activities.

LakeLine has grown with NALMS from a fledgling newsletter-style publication in 1980 to a full-color, professionally produced magazine. One thing that hasn't changed over the years is the willingness of NALMS members, lake researchers, and practitioners to share their knowledge with others within the pages of *LakeLine*. Without the unqualified participation of these talented authors, NALMS could not produce a quality publication. NALMS would like to extend a thank you to Daniel J. Ross, Jenifer Parsons, Michelle Nault et. al., Reesa Evans, Fred Lubnow, Kari Reynolds, Arin MacFarlane Dyer, and many of NALMS' Affiliate members for contributing to this issue of *LakeLine*.



NALMS past Director is Recognized by ASLO

Gertrud Nürnberg is head of Freshwater Research (www.fwr.ca), which focuses on the modeling and restoration of eutrophic lakes and reservoirs. She founded this company in 1984, after completing her Ph.D. on the availability of phosphorus from anoxic hypolimnia to epilimnetic plankton with honors at McGill University in Montreal, Quebec, under guidance of the late Robert Peters and Frank Rigler. She has been involved with the NALMS as an associated editor of the *Lake and Reservoir Management* journal since 1996 and is a past director of the Eastern Canada Region for NALMS.



She is also a peer reviewer for *Limnology and Oceanography (L&O)* and recently received special recognition for her overall reviewing efforts. Nice work Gertrud!

UPCOMING CONFERENCES & EVENTS

Great North American Secchi Dip-In

Since 1994 volunteers have contributed to our understanding of water quality in the world through the annual Secchi Dip-In.

This year volunteers will again take transparency measurements of lakes, reservoirs, estuaries, rivers, or streams on one day between June 23rd and July 15th. These transparency values will then be used to assess the transparency of volunteer-monitored lakes in the United States and Canada.

To learn more, find out how you can participate, or view Dip-In data please go to <http://www.secchidipin.org/index.html>.

Hydroacoustic Survey Workshop – June 26-28, 2012

Flaming Gorge, Dutch John, Utah

Connect with a community of hydroacoustic users for fisheries research. HTI and the Utah Division of Wildlife Resources will again co-host the 2012 Hydroacoustic Survey Workshop this coming June 26-28 at Flaming Gorge Reservoir in Dutch John, Utah. Learn about this free biennial workshop, as well as receive recommendations for lodging, on the Official Announcement.

Florida Lake Management Society 23rd Annual Conference

June 18th - 21st in Gainesville, Florida

Lake Management in a Time of Budget Cuts will include a day of workshops covering lake, watershed management, and education topics. Conference sessions, field trips, and "A Weekend in My Watershed" program are also planned. For more information, go to http://flms.net/index.php?option=com_content&view=article&id=20&Itemid=27.

New Hampshire Lake Association's Annual Event

New Hampshire Lake Associations' Annual educational & networking event. Friday, June 22nd Meredith, New Hampshire. More details at http://www.nhlakes.org/lakes_congress_2012.htm.

Aquatic Plant Management Society – 52nd Annual Meeting

In July, the Aquatic Plant Management Society (www.apms.org) will hold its 52nd annual meeting in Salt Lake City, UT from July 22 - 25, 2012. This meeting is the society's national meeting to discuss aquatic plant management issues.

NALMS Letter not to Close the Experimental Lakes Area

Calgary, AB, Canada - May 2012

Current NALMS President Al Sosiak, on behalf of NALMS members and in accord with many of NALMS past presidents, has sent a letter detailing NALMS' concern over the imminent closure of the Experimental Lakes Area (ELA) near Kenora, Ontario and to urge the Government of Canada to reconsider its decision to close the research facility. The letter states that the "Experimental Lakes Area (ELA) is a rare resource not only in Canada but throughout the world, as a dedicated research facility for ecosystem-scale experimental investigations and long-term monitoring of ecosystem processes" and that the "closure of the ELA will adversely affect our mission to foster the management and protection of lakes and reservoirs."

Please read the entire letter via the link below and consider writing a letter of your own and remember to ask questions as the Government of Canada has no obligation to respond to comments alone (www.nalms.org/media.acux/a89d2841-a315-48e3-be7a-b6c22e6c3a96).

LAKE NEWS & INFORMATION

Skip the Beach, Hit the Lakes says Forbes

From Forbes Travel Guide (Sarah White),

(<http://www.forbes.com/sites/forbestravelguide/2012/04/18/five-summer-lake-getaways-to-book-now/>)

In lieu of vacations to the beach, Forbes Magazine recently featured five summer lake getaways with activities and sights galore. Forbes mentioned Lake Placid in New York, famous for hosting the Winter Olympics twice, where fishers may find rainbow and lake trout earlier than usual due to the mild winter. Also featured were Lake Oconee in Georgia, located one hour from Atlanta, the Finger Lakes in New York, famous for numerous nearby wineries, Lake Tahoe in Nevada and Lake Geneva in Wisconsin.

EPA's National Lake Assessment 2012

From EPA (http://water.epa.gov/type/lakes/lakessurvey_index.cfm)

During the summer of 2012, the U.S. Environmental Protection Agency (EPA), states, tribes, and other partners will conduct the second nationwide survey of the condition of the nation's lakes. The National Lakes Assessment (NLA) will help citizens and governments measure the health of our waters, take actions to prevent pollution, and evaluate the effectiveness of protection and restoration efforts. The NLA 2012 is one in a series of national surveys of the condition of the nation's waters (see www.epa.gov/aquaticssurveys). Designed to estimate the percentage of lakes that are in good, fair, or poor condition, the survey will serve as a scientific report card on America's lakes. It will examine ecological, water quality and recreational indicators and assess how widespread key stressors (such as nitrogen, phosphorus, and acidification) are across the country. The survey is a collaborative effort that involves dozens of state environmental and natural resource agencies, federal agencies, universities, and other organizations. In most states, state water quality staff will conduct the water quality sampling and habitat assessments.

A total of 904 natural lakes, ponds, and reservoirs across the lower 48 states are included in the survey. To be included in the survey, these lakes must be at least one meter deep and over 2.5 acres (1 hectare) in size. The survey does not include the Great Lakes or the Great Salt Lake. Lakes were selected randomly using a statistical survey design to represent the population of lakes in their ecological region – the geographic area in which climate, ecological features, and plant and animal communities are similar. In addition to these 904 sites, some sites will be re-sampled for quality assurance purposes; reference sites representing least-disturbed conditions will also be sampled. A more detailed summary of the 2007 NLA results and 2012 NLA efforts can be found at water.epa.gov/type/lakes/lakessurvey_index.cfm.

Last Summer for Many to use Phosphorus Lawn Fertilizers

Scotts Miracle-Gro Company will only sell phosphorus free lawn fertilizer products in the U.S. starting in 2013. Washington State's fertilizer law will start January 1st, 2013. For Virginians, their state fertilizer law doesn't go into effect until December 31, 2013 so they will have one more summer to use phosphorus on their lawns.

Slowly the movement to eliminate the excessive use of phosphorus on lawns is growing across the country. There is approximately 50 million acres of turf in the U.S. That is roughly the size of New

England. Of that, 75% is residential, 15% is parks and open space, and 10% is fields and golf courses.

There are 11 states that have or will have soon some kind of restrictions on the use of phosphorus for lawns and many of them start in 2013. They are Minnesota, Wisconsin, Illinois, New York, Florida, Maryland, Virginia, New Jersey, Vermont, Michigan, and Washington.

Summer Season is already Here for Many Lakes

From Derby Informer (<http://derbyinformer.com/news/blue-green-algae-warnings-placed-on-state-lakes>)

Four lakes in Kansas are now under warning for toxic blue-green algae. The public health “WARNING” status means high levels of toxic blue-green algae have been detected. It indicates that water conditions are unsafe and direct water contact (i.e., wading, skiing and swimming) is prohibited.

Kansas public waters currently under warning status are Memorial/Veterans Lake in Great Bend, Marion Reservoir and Marion County Lake, both in Marion County, and Winfield City Lake in Cowley County.

The Old Herington City Lake has been placed on advisory status. Advisory Status means harmful blue-green algae have been detected. It indicates a hazardous condition exists. Water activities like boating and fishing may be safe; however, direct contact with water (i.e., wading, swimming) is strongly discouraged for people, pets, and livestock.

USACE’s Aquatic Plant Control Research Program Saved

From AERF’s newsletter, April 2012 (David Petty)

In response to a national letter-writing campaign, Congress restored partial funding for the US Army Corps of Engineers Aquatic Plant Control Research Program (APCRP). The APCRP is the only federally authorized program for aquatic plant management, and had been scheduled for termination by the Corps of Engineers. Although the Program survived the budget chopping block, the APCRP received only \$3 million for Fiscal Year 2012, representing a 25% reduction in funds from FY 2011. Support for reinstating the Program was spearheaded by Senators Leahy (D-VT) and Schumer (D-NY), and Representative Hinchey (D-22nd, NY). Funding to continue the Program for FY 2013 is uncertain at this time.

The AERF and its members and friends sent letters supporting the reinstatement of this important program to the USACE HQ and key members of Congress. The APCRP provides scientifically sound guidance to public water resource managers and stakeholders on the selective control of nuisance aquatic plants and algae. The AERF collaborates with the APCRP via a Cooperative Research and Development Agreement, which has been in force since 1996.

10 Easy, Inexpensive Suggestions to Help your Lake this Summer

From Adams County Land @ Water Conservation Department (Reesa Evans and Tim Podlin)

1. Do not use fertilizers or chemicals, build fires, or install hard surfaces (concrete, etc.) within 200 feet of the lake.

Cost \$0

2. If you plan to fertilize, conduct a soil test first. Kits are available at many discount and garden stores. Fertilize only if needed using NONPHOSPHORUS FERTILIZER. (Center of three numbers on label should be zero).

Cost \$10-\$20

3. Hand harvest any Eurasian Watermilfoil and/or Curly Leaf Pondweed (see photos) and remove all fragments from the lake. THIS CAN BE DONE AT ANY TIME WITH NO PERMIT.

Cost \$0

4. Limit removal of native plants at shore to a 30 foot wide corridor for every 100 feet of shoreline. Limit removal of native aquatic plants (in the water) to a 30 foot wide corridor (including any piers) for the entire property.

Cost \$0

5. Catch and release fish, especially predators.

Cost \$0

6. Follow any lake traffic patterns and no-wake times or limitations. Lakes less than 50 surface acres in size are no-wake by Wisconsin law. Especially try to avoid creating a wake in any identified Critical Habitat Areas.

Cost \$0

7. Remove all plants, plant pieces, mud and any similar material from boats & trailers prior to launching, after pulling boats from the lake and before leaving boating launch area.

Cost \$0

8. Volunteer to assist Lake organizations with water quality monitoring, invasive aquatic species monitoring, and/or clean boats monitoring.

Cost \$0

9. Use natural vegetation and soils for shoreline design and restore shoreline or portions of shoreline to natural state.

Cost \$0 or Minimal

10. Do not remove shoreline trees that fall into the water.

Cost \$0

Closing of the Experimental Lakes Area in Canada

From CBC news (<http://www.cbc.ca/news/technology/story/2012/05/17/pol-experimental-lakes-budget-cuts.html>)

A famous research facility in Ontario that pioneered investigations into acid rain is the latest victim of federal budget cuts. The Experimental Lakes Area (ELA) in northwestern Ontario is being closed at end of the fiscal year, March 2013.

Sources told CBC News that staff were told on Thursday that the Department of Fisheries and Oceans would no longer run the facility and all staff associated with the ELA will receive 'affected letters', and no new experiments will be initiated.

The Environmental Lakes Area was started in 1968. It's a series of 58 pristine lakes that have been used for ground breaking research. This is where scientists, led by Dr. David Schindler, discovered that phosphates in detergents and household products were causing lakes to turn green with algae. It led to international changes in ingredients for those products.

The ELA is also internationally known for research into everything from acid rain to climate change to fish farming — essentially, all the ways that human activity can affect freshwater systems. But staff was told that the government believes that this kind of research is "better suited to universities" and they'll be asked if they want to take over the work, a plan confirmed by a DFO spokeswoman.

The decision to close the facility was announced along with 400 job cuts at Fisheries and Oceans, and the Canadian Coast Guard intended to save a total of \$79.3 million. The ELA cuts will affect 13 full-time staff at the Freshwater Institute in Winnipeg, but the site also supported seasonal work by up to 50 other scientists who used it for research.

Schindler, who is an internationally renowned freshwater scientist, said he's not surprised by the government's decision. Schindler, who is now based at the University of Alberta, said what makes the ELA so valuable is that the pristine lakes are far away enough from cities and industry that they are a living natural laboratory for freshwater research, much better than doing small scale work in a laboratory.

On-line Petition to stop the closure of ELA

<http://www.thepetitionsite.com/355/851/152/save-the-experimental-lakes-area/>

More information can be found at <http://saveela.org/>, the official site for ELA.

Canadian Society of Limnologists Writes Letter about the Closing of ELA

From The Globe and Mail, Shawn McCarthy

[\(http://www.theglobeandmail.com/news/politics/scientist-blasts-ottawa-over-lake-research-lab-closing/article4237620/\)](http://www.theglobeandmail.com/news/politics/scientist-blasts-ottawa-over-lake-research-lab-closing/article4237620/)

In a letter to Fisheries Minister Keith Ashfield, Jules Blais, president of the Canadian Society of Limnologists, said the government's cuts to funding for post-secondary research have ensured that no university can take over the research centre.

Supporters also question whether the federal government will actually save money by eliminating funding of about \$3 million a year and shutting down the facility. Under an agreement with Ontario, Ottawa is responsible for returning the site to its natural state once it is no longer being used for research, a process that will require expensive remediation.

In his letter to the minister, Dr. Blais wrote that the Harper government's rationale for ending financial support for the site is "palpable nonsense." International scientists and opposition MPs have urged the Harper government to reverse its decision, saying the Experimental Lakes Area is a

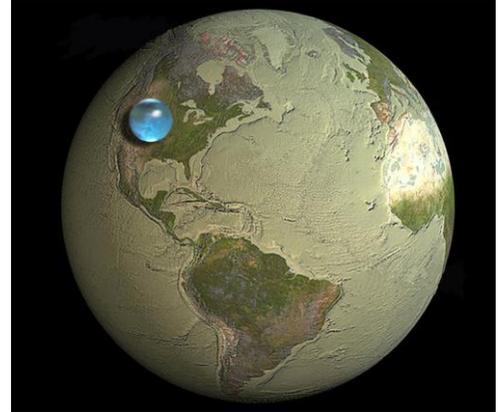
unique site that allows researchers to manipulate ecosystems to test the impact of pollutants on fish and other aquatic life.

Critics say the decision is part of a broad-based disregard for scientific research and study of the environmental effects of industrial pollutants, a charge the government rejects. Mr. Ashfield has said the ELA's work does not fit into the department's core mandate, which is to protect fish stocks and important habitats. But Dr. Blais wrote that protection of critical habitats is the central focus of the research centre.

How Much Water is really on Earth?

From NASA (<http://apod.nasa.gov/apod/ap120515.html>)

Very little is the answer. To illustrate this point, the National Aeronautics and Space Administration (NASA) has posted a depiction of what would happen if all the water on or near the surface of the Earth were bunched up into a ball. For details, visit <http://apod.nasa.gov/apod/ap120515.html>.



Chicago Swim Beaches will not be closed

From ABC News (<http://abclocal.go.com/wls/story?section=news/local&id=8673487>)

Calling their self-imposed rules from recent years "too restrictive," the Chicago Park District said it is ending swim bans based on E. coli counts.

Last year, beaches were closed 36 times because of water quality and 134 advisories were issued. Now, the district will use a new, \$150,000 system and those test results will be posted at 16 of the 24 designated swim beaches. Then it's up to swimmers to decide for themselves whether to go into the lake.

The new system will include a new model that uses lakefront weather data to predict real time water quality conditions. The plan is to tell beach users how the water is today instead of what it was yesterday. Then the public will make up their own mind and decide for themselves if they want to enter the water.

Swim bans will not disappear completely; they will be issued in cases of sewage overflow, lightning or giant waves. The park district continues to use dogs to chase away seagulls and improve beach quality.

There are several known causes of high E. Coli bacteria counts in the lake water, which include high temperatures, heavy rainfall, waste from gulls or other wildlife, and swimmers themselves. The public can help reduce bacteria levels by not feeding birds, not littering, and putting small children in waterproof swim diapers.

A texting service is available that will communicate to beach goers the swim status of a beach by texting the name of your beach to (312) 715-SWIM. To get a list of swim status at all beaches, text the word 'beaches'. In addition, beach goers can also access information on swim status by calling the Chicago Park District Beach Hotline at 312-74-BEACH, checking www.chicagoparkdistrict.com

Gulf of Mexico Oil Spill Update, 2 Years Later

From CMP Publications (<http://www.globalresearch.ca/index.php?context=va&aid=30395>)

Gulf of Mexico fishermen, scientists, and seafood processors are finding disturbing numbers of mutated shrimp, crab, and fish that they believe are deformed by chemicals released during BP's 2010 oil disaster. Along with collapsing fisheries, signs of malignant impact on the regional ecosystem are ominous: horribly mutated shrimp, fish with oozing sores, underdeveloped blue crabs lacking claws, eyeless crabs and shrimp, and interviewees' fingers point towards BP's oil pollution disaster as being the cause."

The use of toxic drilling fluids and a reported 1.9 million gallons of dispersants containing chemicals such as arsenic, cyanide, lead, mercury, and other heavy metals also raises the question of whether this is helping or hurting. Are the dispersants killing natural bacteria that would help with removal? Are the heavy metals just sinking the oil to the bottom (preventing evaporation) and masking the damage? Was the leaking ever capped in the first place? Are Atlantic Coast waters, from Florida to Newfoundland, exposed as well? The following website provides some views on the present situation: <http://www.globalresearch.ca/index.php?context=va&aid=30395>.

Get Ready for Annie, Fannie, and Mike this Summer

From Reesa Evans, Adams County Land and Water Conservation District

Blue-green algae are ordinary and necessary for lakes, streams, and rivers. However, some blue-green algae can become toxic and cause many symptoms (even death in extreme instances) to both humans and animals. Exposure can occur through skin contact, inhalation (breathing in), and/or ingestion (swallowing).

The most common potentially-toxic types are *Anabena*, *Aphanizomenon*, *Microcystis*, and *Oscillatoria*. The first three are often called "Annie, Fannie, and Mike". Common symptoms caused by exposure to these bacteria are: Skin irritations (rashes or hives), general body reactions (fever, diarrhea, coughing, general throat irritation, runny nose, vomiting, nausea, headache, and muscle/joint pain), and in severe cases, convulsions/seizures, paralysis, respiratory failure, even death.

To avoid these problems, use common sense. If the water looks scummy, has a large mat of gunk, or otherwise looks iffy, avoid contact. Don't let children or pets play in shallow, scummy areas or where algae blooms are present. Avoid jet-skiing, water-skiing, or tubing over mats of algae. Don't use raw, untreated water for drinking, cleaning food, or washing gear. Don't boil contaminated water, as this may release more toxins from the algae. After family members come into contact with water that may be contaminated, wash thoroughly; especially in areas covered by swimsuits (which may concentrate the algae). Thoroughly wash any clothing or fabric that has come into contact with the water. If your pet or livestock come into contact with such water, wash the coat to prevent the animal from taking potentially-toxic algae in while self-cleaning. Finally, when in doubt, stay out.

Good or Bad for the Lake – You Decide

Many times, we read or hear a quick news item about a local lake having a problem or a lake manager, city department, or lake association deciding what to do about a lake issue.

As a well-educated lake expert and member of NALMS, you should question these situations and ask if the lake is truly having a problem and if the management technique is the right way to go. It is your job as a NALMS member to determine whether or not the next lake news item is “Good” or “Bad” for the lake.

The Lake – Lake Erie

The Problem – Allow Water withdrawals from lake and tributaries without a permit

Gov. John Kasich signed legislation establishing the first permitting program for water withdrawals from Lake Erie. Kasich's autograph on House Bill 473 means that in September, Ohio law will limit the amount of water businesses can draw from the lake or its tributaries without a permit. Businesses that want to make withdrawals exceeding 2.5 million gallons a day from Lake Erie, 1 million gallons a day from rivers and streams feeding the lake, and 100,000 gallons a day from streams defined as "high-quality" will have to obtain permits. Ohio needed to pass a program establishing withdrawal limits by a December 2013 deadline to comply with the multi-state Great Lakes Compact, which is designed to manage withdrawals from the fresh water lakes and limit the export of water outside the region.

Critics are particularly concerned that recreational users have no right to appeal a business' water use permit and that the thresholds that trigger the permits are measured with 90-day averages instead of daily averages. They see that as a loophole that would allow industrial users such as oil and gas drillers to withdraw millions of gallons over a few days without needing a permit.

Is this “Good” or “Bad”? Are the thresholds for permits too high or too low? Is it enough to protect Lake Erie’s lake level? What is more important, protecting the lake and streams or promoting business growth? What would you do if you could make the laws to establish withdrawal limits?

Website of the Month – <http://www.edmodo.com/>

For those who enjoy social networking on the computer, Edmodo is a networking website that helps groups communicate more efficiently. It is geared towards teachers and students, and it can also serve a similar purpose for volunteer monitoring groups - blogs, webinars, mobile apps, conference tools, small group projects, peer review groups, and many other social networking opportunities.

NALMS Professional Certification Program

Looking for a Certified Lake Manager (CLM) or Professional (CLP) in your area?

Browse our list of CLM's and CLP's at <https://www.nalms.org/home/programs/list-of-certified-lake-managers-and-professionals/>

Interested in becoming a CLM or CLP?

Find out how to establish yourself as an expert in the field of lake management at <https://www.nalms.org/home/programs/professional-certification/professional-certification.cmsx>

Lake Photo of the Month

Letchworth State Park, NY

<http://www.flickr.com/photos/78906327@N05/7066118179/in/pool-nalms>

by [Sam A.](#)

To be considered for NALMS' Lake Photo of the Month please submit your photo to the North American Lake Management Society (NALMS) Flickr Group. Be sure to include the name or location of the lake in the title.



NALMS on Yahoo Groups!, Facebook, LinkedIn and flickr

To learn more about these and other NALMS social and discussion groups navigate to the following links!

http://tech.groups.yahoo.com/group/lake_management/

<http://www.facebook.com/pages/North-American-Lake-Management-Society/159923186867>

http://www.linkedin.com/groups/North-American-Lake-Management-Society-3809234?gid=3809234&trk=hb_side_g

<http://www.flickr.com/groups/nalms>

NALMS Bookstore

If you're looking for some great Lake Management Resources check out the NALMS Bookstore!

<https://www.nalms.org/home/publications/bookstore/book-store-and-subscriptions.cmsx>

NALMS Affiliate Member Newsletters

Looking for information on your local NALMS Affiliate member organization? Check for local news you can use on our Affiliate Newsletter Page at

<https://www.nalms.org/home/publications/affiliate-newsletters/newsletters.cmsx>

To submit a Newsletter please send a PDF version to Greg Arenz at membershipservices@nalms.org

Looking for a Job or have a Job to post?

NALMS maintains an online Job Board for job seekers at

<https://www.nalms.org/home/programs/job-board/job-board-home.cmsx>

Do you have a job that you would like to post on the NALMS Job Board?

Simply fill out the Job Posting Form found at <https://www.nalms.org/media/acux/98e37b01-3af1-4557-a2bd-610cdc244a1d> and fax it to 608.233.2836, mail it to PO Box 5443 Madison, WI 53705, or email it to info@nalms.org.

Post an Event

Do you have an event that you would like to share on the "Upcoming Events" page on the NALMS website?

Let us know at [Let us know at events@nalms.org](mailto:events@nalms.org)

Update Contact information

NALMS members can now go online to correct their own contact information and are encouraged to do so. Please tell your friends and colleagues who are NALMS members to check and update their records. If they are not getting LakeLine, the Lake and Reservoir Management journal, or NALMS Notes something is wrong. If they don't have access to fix their own contact info, they can call the NALMS office at 608.233.2836 or email Greg Arenz at (garenz@nalms.org) to get changes made. This goes for postal service mail as well.

Open Invitation to Add to the Next E-newsletter

If you are having a conference, have a lake-related question, need advice, looking for similar lake problems/solutions, have an interesting story to share, or just want to be heard throughout NALMS, please send your material to Steve Lundt at slundt@mwr.dst.co.us. All e-newsletter material is due to Steve Lundt by the first Friday of each month to be considered for inclusion in that month's e-newsletter. The newsletter goes out electronically monthly.

NALMS Notes is Co-edited by Steve Lundt & James Vennie

Steve Lundt

I was born and raised just west of Mt. St. Helens. By growing up in the lush Pacific Northwest, I enjoyed all things wet (which was about everything) - rain, fog, fishing, mountain biking, baseball, hiking, and lakes. I stayed in the Portland area for my undergraduate degree in Sociology and Chemistry. I then explored Hawaii and Yellowstone for a couple of summers and ended up in Denver as a bicycle messenger. After a couple of years working in various labs, I went to Indiana University and received a MSES at the School of Public and Environmental Affairs. I do have to admit that I have to basically thank Bill Jones for everything after 1997 - my education, involvement with NALMS, and for my career on lakes. I have worked on Oswego Lake (Portland) and a couple of downstream reservoirs in Denver over past 14 years. I have been lucky to have a career where it seems like I drive a boat more than a car. I live in Denver with a great wife and two boys, 10 and 7. From managing lakes to raising kids, the little things do matter the most.



James Vennie

James recently retired from the Wisconsin Department of Natural Resources, Lakes Partnership. He worked on Wisconsin Lakes for 32 years. He is a Professional Hydrologist, Limnologist, Hydro geologist, and WI-DNR's expert on Algal Toxins. James graduated from University of Wisconsin - Stevens Point in Water Science. He is the past Chairman of NALMS Technology Transfer Committee for many years. Also, started the first NALMS website and supported E-Mail distribution system Lakes-L for decades.

