

2012 NALMS Notes

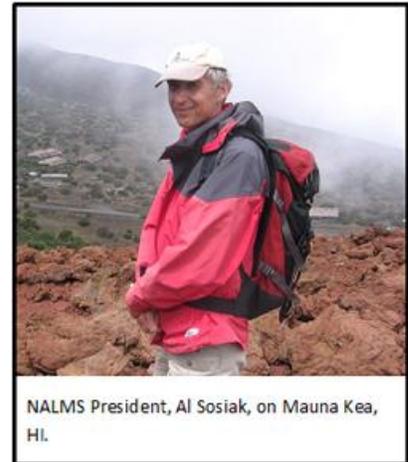


July 2012

President's Message

At last summer is here and many of us are making plans for well-deserved vacations. For many of us vacation means heading to our favorite lake. Some go to relax and reflect, some to fish and enjoy the natural beauty, some to enjoy water sports, some to be with family and friends, and some for all of the above. Just think of what it would be like if your favorite lake was no longer enjoyable, and consider how much NALMS has done and can do to for all our lakes.

Before leaving for summer holidays I'd like you to consider one more thing. Please consider whether you would be willing to nominate yourself or someone else to for election to the NALMS Board of Directors or to even become the President-elect. In the past few years NALMS has weathered a number of storms and emerged stronger and more stable financially. Our office staff is superb, our committees productive, and our current Board & Officers are active and engaged. We meet twice a year in person, and monthly by phone. Do you have some hours each week to commit to supporting NALMS? If so please contact Philip or myself. (Philip can also answer any questions about board positions and the nomination process.) We do need nominations in writing to Philip Forsberg (forsberg@nalms.org) by August 7, 2012.



At the risk of sounding desperate, to date we still have not received any nominations for President-elect, Region 12, and Student-at-Large. We will also have openings to fill for Regions 5 and 11 and the Director At-large due to current Board members being nominated for other positions. (There's more information on board nominations in my message in the March issue of NALMS Notes, which is posted on-line at <http://www.nalms.org/media.acux/f4323cb1-c334-42ee-9cf0-42de87bb3d08>. Experience or training in lake management is *not* required for a board position, and candidates with expertise in nonprofit management, leadership development, marketing, fundraising, legal issues and membership growth and development are encouraged to run. If you have ever considered serving on the board, this is an excellent year to offer your services.

I would be happy to discuss these positions with any member who can invest some time and effort to help NALMS. If NALMS has been an important part of your career, as it has for me, please consider a nomination for the board!

Enjoy your vacation!

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

WITHIN NALMS

Membership in Motion

We are still working on our summer membership period and trying to touch base with the 100 remaining members whose memberships lapsed on June 30th to encourage them to renew soon. A new batch of renewal reminders went out on July 13th and we will follow that up with another email reminder in early August. If your membership recently expired 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. And if you know of an individual that might be interested in joining our society please contact me and I will introduce them to some of NALMS member benefits and opportunities.

NALMS' 844 current members are integral to our mission to foster the management and protection of lakes and reservoirs for today and tomorrow. THANK YOU to everyone who renewed their membership or joined NALMS over the last month! We appreciate your lake management efforts and your support!

New NALMS Individual Members: Jessie Graves, Christine Koeller, James Nally

Renewing NALMS Individual Members: Jae Abel, Michael Adam, George Antoniou, Jacolyn Bailey, John Beaver, Marc Beutel, Dana Bigham, Connie Bozarth, Clete Brewer, Peter Bruyn, Glenn Buckley, David Buetow, Marisa Burghdoff, Jonathan Butcher, Robert Carlson, Julie Chambers, Richard Chase, Rose Colby, Joseph Conroy, Timothy Cross, Paul DeAngelis, Robert Doyle, Daniel Engstrom, Kenneth Ersbak, Gary Fandrei, Robert Fuller, Sherm Garrison, H. Dean Givens, Thomas Grizzard, Terry Gronwall, Tim Grotheer, Glenn Harrington, Michael Hartshorne, Gregory Howick, Todd Hubmer, John Hudak, George Izaguirre, William James, Robert Johnson, John Kanzia, David Kaplan, Meghan Lunney, Michael Mallin, Michelle Marko, Dennis McCauley, Fernando Molina OM, Terry Noonan, Sara Peel, Toni Pennington, Ellen Petticrew, Chuck Pugh, Mohammad Reza Rahmanian, Bruce Richards, Andrew Schaedel, Stephen Shore, Kristine Stepenuck, Kent Turner, Patricia Vanderland, J. D. Wehr, Anne Weinberg, Dana Wilkinson

Renewing NALMS Affiliate Members: [Colorado Lake & Reservoir Management Association](#), [Florida Lake Management Society](#), [Georgia Lakes Society, Inc.](#), [Virginia Lakes and Watersheds Association](#)

Renewing NALMS Corporate Members: [Ecosystem Consulting Service, Inc.](#), [Morgan & Associates, Inc. dba Peroxygen Solutions](#), [SolarBee, Inc.](#)

Renewing NALMS Nonprofit Members: [Lee County Hyacinth Control District](#), [Northern Water, South Tahoe Public Utility District](#)

Finally, I'd like to highlight a membership opportunity that you may not be aware of. Do you work for or belong to an organization with a mission similar to NALMS? If so, please consider NALMS Affiliate membership for your organization. While our Affiliate members are entitled all of our traditional membership benefits and publications they stand out from other organizational members because they share NALMS purpose and objectives and are partners on projects and/or events that promote environmentally sound lake and reservoir management. Eventually I hope to have an

Affiliate member in each U.S. state, Canadian province and Mexico. Currently we have a long way to go but NALMS is fortunate to have a number of excellent Affiliate members already. You can [find out more about these Affiliate members on our website](#).

We are currently searching for Affiliate members for the following U.S. states: Alabama, Alaska, Arizona, Arkansas, Connecticut, Delaware, District of Columbia, Hawaii, Idaho, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, North Dakota, Ohio, South Dakota, Tennessee, Texas, Utah, Vermont, West Virginia, Wisconsin, and Wyoming. And for the following Canadian provinces: British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward Island, Quebec and Saskatchewan.

If you are interested in Affiliate membership please read “[How to Become an Affiliate Member of NALMS](#)” on our website.

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

Greg Arenz
Membership Services Coordinator

NALMS Office Notes

Water quantity has been a big topic of discussion in my household of late. My wife's parents live in Colorado Springs and were among the 35,000 or so people forced to evacuate due to the Waldo Canyon Fire. Their neighborhood, Mountain Shadows, was the hardest hit and the one shown on all of the national news broadcasts. My in-laws were extremely fortunate to have their home survive the fire unscathed, but approximately 350 other families lost their homes. Just a block away from my in-laws' home, entire streets of homes are gone. Not burned out shells, but completely flattened. Before the fire, everyone was worried about the lack of rain, and now that the fire has been contained they're worried about what happens when they do get rain. When rain hits the burn scar, mudslides are a very real possibility and will continue to be so until the vegetation on the hillsides returns.



Here in Madison, we've only had 0.3 inches of rain since June 1, instead of the normal 4 or 5 inches, and we're now in a severe drought. The grass is brown, farm fields are in pretty sad shape and there doesn't seem to be an end in sight. While other parts of the Midwest are dealing with some severe thunderstorms, it seems like every storm heading our way dissipates or bypasses us at the last minute. We've had burn bans since late June and the fire department has been busy fighting

numerous grass fires. Because of the lack of precipitation, Dane County is restricting the flow of the Yahara River which connects the lakes the Madison area in an effort to maintain lake levels. Despite this, the lake levels are still lower than they normally would be this time of year. The extreme heat has also led to an increase in blue-green algae blooms this summer.

While the extremely mild winter this year was much more to my liking than our typical frozen tundra, if this is the type of summer it leads to, I'll gladly endure a few months of cold. Unfortunately, I get the feeling that these extremes are becoming the new normal and we'll all be spending a lot more time talking about water quantity issues.

Philip Forsberg
Program Manager

Call for Student Membership Sponsors

Sponsor a student membership today!

Through our *Sponsored Student Membership Program* you will provide a student with an excellent introduction to NALMS and the field of lake management. The cost of sponsorship is **only \$35** and sponsors may support as many student memberships as they wish!

Complimentary membership provides opportunities and resources that will extend the sponsored student's learning at no risk to the student. Sponsored students are eligible for the same membership benefits as traditional student members including:

- A 1 year NALMS membership
- Four mailed issues of *Lake & Reservoir Management*
- A lifetime subscription to our monthly e-newsletter *NALMS Notes*
- Member-only website access including:
 - Electronic copies of *LakeLine Magazine*
 - and Electronic copies of *Lake & Reservoir Management*
- Access to NALMS' Membership directory
- Access to NALMS' Budgets, Minutes and Reports
- Eligibility to vote in NALMS affairs
- Conference registration discounts
- and NALMS bookstore discounts

To sponsor a student membership, please contact Greg Arenz, NALMS' Membership Services Coordinator, at 608.233.2836 or garenz@nalms.org.

Are you a student interested in becoming a sponsored student member?

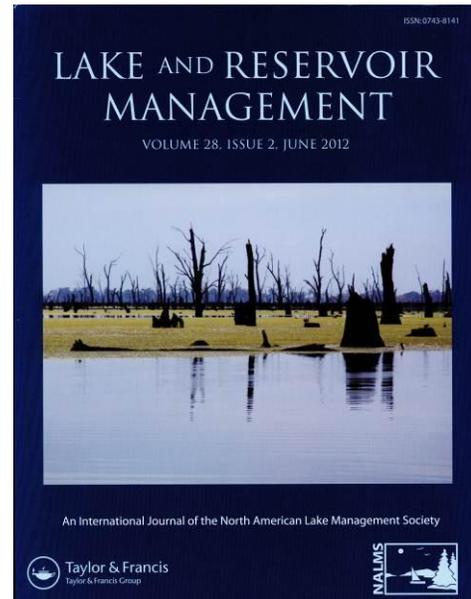
[Learn how to apply here!](#)

What's New in Lake and Reservoir Management (LRM)?

Madison, WI - June 2012 - NALMS is pleased to announce the second issue of the 28th volume of the International Journal *Lake and Reservoir Management* (LRM).

Published quarterly, LRM issues original, peer-reviewed and previously unpublished studies relevant to lake and reservoir management. Papers address the management of lakes and reservoirs, their watersheds and tributaries, along with the limnology and ecology needed for sound management of these systems. The newest issue of LRM includes the following papers:

- *Multiyear destratification study of an urban, temperate climate, eutrophic lake.* David Hanson and David Austin.
- *Diel and temporal habitat use of four juvenile fishes in a complex glacial lake.* Michael J. Weber and Michael L. Brown.
- *Lake Performance differences in response to land use and water quality: Data envelopment analysis.* Kamal A. Alsharif and Geoffrey Fouad.
- *Application of data mining approach to derive operating rules for the Elevijan irrigation reservoir.* M. Taghi Sattari, Halit Apaydin, Fazli Ozturk, and Nazife Baykal.
- *Survival of a submerged aquatic weed (*Egeria densa*) during lake drawdown within mounds of stranded vegetation.* Tony M. Dugdale, Daniel Clements, Trevor D. Hunt, and Kym L. Butler.
- *Assessing local and landscape patterns of residential shoreline development in Michigan lakes.* Kevin E. Wehrly, James E. Breck, Lizhu Wang, and Lidia Szabo-Kraft.
- *NOTE: Geospatial methods to examine shoreline erosion in the Chippewa Flowage: a case study.* Erik R. Olson and Stephen J. Ventura.



Since 2009 NALMS has partnered with Taylor & Francis, a publishing house and marketing firm, to create more exposure and reach for LRM through Taylor & Francis' extensive marketing, online platform, and distribution networks, while adding another significant and leading title to the Taylor & Francis Environmental Science portfolio. LRM subscription is included with NALMS' professional, organizational and student membership or through Taylor and Francis directly.

LAKE NEWS & INFORMATION

July is Lakes Appreciation Month

In June 2012 NALMS sent a letter to each United States Governor requesting a proclamation that recognizes the importance of lakes in their state and declares July 2012 ***Lakes Appreciation Month***.

These letters asked each Governor to affirm "the importance of lakes for our drinking water, energy production, food production, and for aesthetic and recreational value." In addition to requesting a proclamation NALMS also asked each Governor to consider promoting ***Lakes Appreciation Month*** through the following actions:

- by working with their state agencies, legislature, and key environmental groups to secure or maintain funding for lake programs that help protect their local lakes.
- and by reaching out to congressional delegates of their state and asking that they initiate and/or support legislation on the national level that protects and funds lake programs.

[Click here to read the proclamations that NALMS has received](#)

Waco Water Tour

Source: Ken Wagner; Water Resource Services

In June, NALMS members Mark Ernst and Ken Wagner travelled to Waco, TX to visit another member, Tom Conry, and tour the new Waco water treatment facility. Lake Waco is the water supply for about 300,000 people in the Waco area and is also a major recreational amenity as well as a valued aquatic habitat. The watershed presents challenges to water quality management, however, and while the drinking water produced from the lake has always been considered safe, it was not necessarily “drinkable” as a consequence of taste and odor issues. A comprehensive study in which multiple NALMS members participated between 2002 and 2006 revealed key watershed issues that included dairy farms and runoff from intense storms and the City has been making improvements whenever possible. For example, the spectacular Waco Wetlands provide storm water cleaning services as well as habitat and a research venue. However, the constraints of managing a large watershed to achieve desirable lake water quality are large, as is true in many cases, and the City opted to invest in a technologically advanced treatment facility that uses dissolved air flotation to remove algae and other undesirable materials from the water. The results have been spectacular, with Waco water skyrocketing to near the top in taste tests. Ken and Mark were very impressed with the operation, and also managed to squeeze in dinner at a favorite watering hole, Buzzard Billy’s Swamp Shack (see photo). If you are in the Waco area, try to arrange a tour of this facility; it is very educational as well as impressive in its results.



American Water Works Association Conference

As part of the grant awarded to NALMS by the Water Research Foundation, Ken Wagner attended the Annual Conference and Exposition (ACE 12) in Dallas, Texas to give two talks on results to date. It was big, and not just because it was in Texas. Supply of pipes, pumps and chemicals, as well as engineering expertise, is big business in the USA, and makes this a major event for the water treatment industry each June. There were about a dozen concurrent



sessions over four days and many, many exhibits. Of course, with so many talks at once, one can only catch a small percentage of them, and attendance at any one talk was not more than what we would have at a NALMS conference. They don't supply meals and the registration was about twice what NALMS charges. It was a worthwhile experience, but the value provided by a NALMS conference was immediately apparent by comparison. However, the exhibits really make this conference, and one could get by off the food and entertainment offerings at the various booths, some of which were two stories high! The pipe tapping competition was fun, and repairing a simulated main break was accomplished in under two minutes. It does make one wonder why it takes 3 more supervisors and half a day under real life conditions, but it was fun to watch all the same. Some of our NALMS exhibitors were represented, and it was nice to catch up with them. Decorum prevents a completely candid recounting of all exhibit hall escapades, but this conference did provide some ideas for future NALMS exhibits! The technical program had a wide variety of offerings, but the lack of emphasis on source water was striking; everyone acknowledged its importance, but relatively few sessions addressed it. The role of NALMS in drinking water management as well as recreation and habitat support appears secure.

kjwagner@charter.net

Reservoir Storage and Water-Quality Data Available for 59 Reservoirs throughout Texas

Source USGS New Pubs.

USGS, in cooperation with Texas Tech University, constructed a dataset of selected reservoir storage, reservoir elevation, and water-quality data from 59 reservoirs throughout Texas. The period of record for the data is as large as January 1965–January 2010. (USGS Data Series Report)

<http://pubs.usgs.gov/ds/594/>

New Weapon Battling Toxic Algae in Federal Way

By GARY CHITTIM / KING 5 News

Posted on June 11, 2012 at 6:05 PM

FEDERAL WAY, Wash. -- No power boats are allowed on the Twin Lakes in Federal Way, so when one was seen and heard putting around on one of the lakes, Lake Lorene, people noticed.

Hans Feddern, who has spent two decades watching birds and wildlife at the two lakes, said he was a little concerned when he saw workers with protective masks and gloves loading the boat up with large bags. When he checked it out, he was relieved.

“These people do this for a living and they assure you it doesn't have any impact,” said Feddern...

<http://www.king5.com/news/environment/New-weapon-used-in-blue-algae-battle-in-Federal-Way-158508465.html>

2012 Secchi Dip-In

Source: Clean Water Team at:

http://www.waterboards.ca.gov/water_issues/programs/swamp/cwt_volunteer.shtml

Last week the Clean Water Team posted some new videos on <http://www.youtube.com/CleanWaterTeamVideos> that should be of interest.

Measuring Water Clarity and Color Using a Secchi Disk and a Forel Ule Scale
http://www.youtube.com/watch?v=xuH_xLTjmOQ

Measuring Water Clarity Using a Transparency Tube
<http://www.youtube.com/watch?v=8xzpG9IDUq8>

Making a Transparency Tube Replacement Stopper with Secchi Pattern
<http://www.youtube.com/watch?v=lGz99aIN38Q&feature=relmfu>

Determination of Apparent Color of Water
<http://www.youtube.com/watch?v=4yo0ak9w7o4>

Measuring Depth with a Sounding Weight
<http://www.youtube.com/watch?v=RDE4SIYdn5E>

We even gave the Dip In a plug within the Secchi video.

Melting Arctic 'Blooms' with Algae

Source: CNN.com by Rose Hoare, CNN
Updated 12:29 AM EDT, Mon June 11, 2012

(CNN) -- Scientists in the Arctic have discovered the largest ever under-ice bloom of phytoplankton, likening the discovery to "finding the Amazon rainforest in the middle of the Mojave Desert."

Researchers were amazed to discover a colossal 100 kilometer (62 miles) stretch of phytoplankton blooming under Arctic ice, north of Alaska, in July last year.



It had previously been assumed that sea ice blocked the sunlight necessary for the growth of marine plants. But four times more phytoplankton was found under the ice than in ice-free waters nearby...

<http://www.cnn.com/2012/06/10/world/phytoplankton-mega-bloom-eco-solutions/index.html>

Website of the Month –

<http://water.usgs.gov/coop/products/hazards/index.html>

A website established by the USGS for Water Resources of the United States with a clickable map to the state specific information.

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

Paddling out to Sand Island

<http://www.flickr.com/photos/rsburnsim/7540014032/in/pool-nalms>

By [RSBurnsIM](#)

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 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 James Vennie & Steve Lundt

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.



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.

