

2013 NALMS Notes



**March
2013**

President's Message

Happy "Spring"! North Florida rivers are flooding from recent rains, and farmers are watching the frost forecasts to see how early they can get the spring crops in the ground. Many of you in other places are still using your snow shovels - what "interesting" and challenging winter weather. It IS time everywhere to be planning for NALMS' 33rd Annual International Symposium. This year's venue promises lots of fun and great weather: San Diego, California, USA, Oct. 30 - Nov. 1, 2013. The conference theme is: Lake Management in an Era of Uncertainty.



Straight from our website, cuz they said it better than I could: Every year NALMS' membership comes together for a collection of professional presentations, general workshops and non-stop discussions on managing lakes and reservoirs. Vendors are present with the latest lake management tools displayed. The lion's share of NALMS networking occurs at this conference and life-long friendships are forged. The call for abstracts is posted, and the NALMS 2013 conference organizing committee is also encouraging folks to organize special sessions. Vendors and sponsors, please visit the website, as information for you is also posted.

Important Dates

- * May 17, 2013 - Abstracts are due
- * August 16, 2013 - Registration and payment from presenters of accepted abstracts due.
- * September 27, 2013 - Last day conference hotel rate available.

Everyone make your plans and get those abstracts in for consideration. Students, we hope you will join us, too. Ask about student travel scholarships!

See you in San Diego!
Ann Shortelle
President – NALMS
abs@srwmd.org

WITHIN NALMS

Membership in Motion – Almost there!!

Only 10 members short of our 1,000 member goal!

Over the last month NALMS membership grew to 990 members. This is an excellent step towards our 1,000 member goal. We do need to keep in mind that there are still about 90 members whose memberships will expire on March 31, 2013. Retention of our current members is essential to our growth. So, if your membership will expire on March 31 please renew today [here on the NALMS website](#) or [fill out a Membership Registration Form](#) and send it to our office. Call me at 608.233.2836 or email me at garenz@nalms.org if you have any questions.

Here is a list of members that renewed their memberships or joined NALMS during the last month.

New NALMS Individual Members: Christine Hawley, Steven Whitlock

New NALMS Corporate Members: IMS Dredge, Division of LWT, LLC

Renewing NALMS Individual Members: Cindy Adams, Bill Bartodziej, Kevin Bright, Michael Brown, Benjamin Cross, Vicki Faulkner, Katherine Fendel, Paul Gantzer CLP, James Grabowski, Peter Hippensteel, Bruce Lockhart CLM, James Martin, Susan McMahon, Kellie Merrell, Michael Meyer, Edward Molesky CLM, Brent Parsons, Clayton Penniman, Stuart Perry, Sarah Powers, Dennis Ray, Nancy Serediak, Chi Ho Sham Ph.D., Shay Shih, Carolyn Thomas, Todd Tietjen, James Vennie, Stephen Wilson

Renewing NALMS Affiliate Members: Oklahoma Clean Lakes and Watersheds Association, Pennsylvania Lake Management Society (PALMS), Washington State Lake Protection Association

Renewing NALMS Corporate Members: Blue Water Satellite, Inc.

I'd also like to highlight our new listing pages for our [Affiliate](#), [Corporate](#), and [Nonprofit](#) members. Would you like to get involved with one of our Affiliates? Are you interested in supporting one of our Nonprofit members? Or perhaps you're interested in the products and services offered by one of our Corporate members. If so, these listings allow you to search and sort NALMS organizational members to discover contact information and more.

Organizational members that would like to enhance their profile can login to the website and add additional information like a summary, a biography, a website listing, and a logo.

As always please contact me with any questions.

Greg Arenz
Membership Services Coordinator
garenz@nalms.org

NALMS Office Notes

Between sick days and snow days, I've been spending a little more time than usual working from home in my windowless dungeon of an office in the basement. I, like pretty much everyone I know in town, have been dealing with a cold of varying severity for many weeks now. Right when it seems like I've finally licked it, it makes a return visit. A week ago I thought for sure that it was gone for good when, Boom! it came back so strong my wife insisted I make a trip to urgent care. It could be worse; our poor friends across the hall at the Integrated Pest Management Institute are passing around the stomach flu.



Likewise, our winter weather has been a bit of a rollercoaster ride. While the temperatures have been relatively mild by winter in Wisconsin standards, we've had a lot of precipitation. We've had snow and more snow. An inch or two here and there mostly with the occasional gas up the snowblower-sized storm. We even had a deluge of rain one weekend, which formed a tiny skating rink in our driveway when it froze a couple of days later. The snow is back, though. As I write this, we're in the midst of one of our biggest snowstorms of the year with 9 inches of new snow expected by the end of the day. The snowblower will get quite a workout later this afternoon.

While I'm out clearing my sidewalk and driveway of this newest snowfall, you should submit your abstract for our annual symposium in San Diego. I know that it's traditional for NALMS presenters to wait until the very last minute to submit their abstracts, but you really don't have to do that. Go ahead and submit it right now, it's easy! Just visit the NALMS website to view the call for abstracts and submit your abstract online. If you would like to put together a special session of multiple presentations contact Bill Taylor (lakefixer@yahoo.com), the Program Chair for the 2013 symposium. We are also looking to fill out our roster of pre-symposium workshops. If you're interested in organizing a half-day or full-day workshop, send me an email at forsberg@nalms.org and I'll send you the information you need to get started. In the meantime, we're working out all of the registration details for the conference. We'll post information as we have it on the NALMS website and we expect registration to open in late spring. I just hope the snow is gone by then.

Philip Forsberg
Program Manager

An Update on NALMS Donations

At the end of 2012 NALMS sent out an appeal for end-of-the year donations. This appeal also announced NALMS' modest fundraising goals for 2013. Here is an update on how we're doing and a big THANK YOU to everyone who has donated so far! We really appreciate your gifts and your commitment to NALMS and our lakes!

The Eberhardt Memorial Student Fund – 2013 Goal: \$5,000 Amount Raised: \$0

- NALMS created this fund in honor of Tom and Elinor Eberhardt. Tom and Elinor were dedicated supporters of NALMS before a tragic plane crash cut their lives short in December 2010. This fund

continues their legacy by providing travel grants for students to present the results of graduate-level research at NALMS' Annual Symposium.

The G. Dennis Cooke Symposium Fund – 2013 Goal: \$5,000 Amount Raised: \$2,700!!

- NALMS established this fund in November 2012 through a substantial gift from Denny Cooke, the first president of NALMS and Emeritus Professor of Biological Sciences at Kent State University. NALMS will use the investment returns from this fund to support themed sessions and plenary speakers at our annual Symposia.

Dr. Cooke has generously agreed to provide **an additional \$5,000 to match contributions made by others** to this fund within one year from the date of his original gift. **We currently need just \$2,300** in order to match Dr. Cooke's offer.

The Lake Givers Club – 2013 Goal: \$5,000 Amount Raised: \$1,000!!

- Provides a way for individuals and organizations to make a significant contribution towards the management and protection of lakes and reservoirs through a general donation to NALMS. NALMS will use gifts to the Lake Givers Club in support of our publications, programs, and operations.

[Please click here to make a donation today!](#)

CONFERENCES & EVENTS

North Carolina Lake Management Society News

Submitted By: Clint Calhoun

On October 4, 2012 the North Carolina Lake Management Society (NCLMS) hosted a fall workshop and its annual meeting at the US National Whitewater Center in Charlotte, NC. The workshop, titled "*Get the Dish on Fish,*" was a well-attended event with close to 50 attendees. Those who attended the workshop were treated to some wonderful presentations on fish contamination issues as well as a fantastic view of rafters and kayakers braving the rapids at the U.S. National Whitewater Center. At the annual meeting, new board members were elected. The following members were installed as board members for 2013: Clint Calhoun, President; Dave Buetow, Past President, Michelle Woolfolk, President-elect; Brian Killius, Secretary; Barbara Wiggins, Treasurer; Linda Erlich, Member At-Large; Kenneth Reckhow, Member At-Large. Past-President Dean Givens was recognized for his service to the board with a plaque.

NCLMS will be hosting a spring workshop in Greensboro at the Bryan Park Golf Course and Conference Center on March 14th. The workshop, titled "*Lake Management Issues in the Piedmont Triad Region of North Carolina*" will be an all-day event that will include presentations and discussions on a variety of topics affecting lakes in the in the area of North Carolina known as the Triad. The day will culminate with a tour of the Lake Townsend Spillway. Information on the workshop is available on our website at www.nclakemangement.org. For vendor or speaker information contact: Peter Schneider at City of Greensboro Department of Water Resources; Phone: (336)373-2737; E-mail: Peter.Schneider@greensboro-nc.gov. To find out more about the Bryan Park Golf Course and Conference Center visit: www.bryanpark.com.

Lastly, planning is progressing as NCLMS prepares to host the 23rd Southern Lake and Watershed Management Conference in the spring of 2014. The conference dates will be March 26th-28th, 2014 at the DoubleTree by Hilton Asheville-Biltmore. Mark you calendars for this exciting event. We are looking for sponsors and vendors for this event so if you are interested in helping to make this event a success please e-mail Clint Calhoun at eco@townoflakelure.com. More information will be posted as it becomes available.

LAKE NEWS & INFORMATION

Monitoring confirms that boaters, not ducks, moving aquatic invasive species around

Source: Wisconsin DNR Weekly News article published: March 5, 2013

MADISON – Preliminary results from systematic monitoring of Wisconsin lakes for [aquatic invasive species](#) confirm that boaters, not ducks or other birds, are spreading the invaders around, state and University of Wisconsin-Madison researchers say.

(WDNR Photo: State researchers in SCUBA gear looked for aquatic invasive species as part of a five-year monitoring effort.)

None of the wilderness lakes surveyed – those in remote places and easily accessible only to wildlife – had any invasive species present while there was a direct link between the presence of invasive species and boat access from public and private property. Thirty percent of the lakes with boat access, however, had Eurasian water-milfoil, 18 percent of the suitable lakes surveyed with boat access had zebra mussels, and three lake systems with boat access had spiny water fleas.

“The fact that accessible lakes are the ones that are invaded indicates that these species are moved by boaters,” says Alex Latzka, a University of Wisconsin-Madison graduate student involved in the research. “While birds could transport invasive species from one lake to another, our finding that remote lakes do not have invasive species strongly indicates that birds are not an important factor.”

In recent years, DNR and the UW-Madison have collectively [surveyed 450 lakes for aquatic invasive species](#) like [zebra mussels](#), [Eurasian water-milfoil](#) and spiny water fleas.

UW-Madison researchers looked for aquatic invasive species in a range of lakes, including wilderness lakes.

DNR focused its sampling on those lakes more likely to have invasive species present because they had boat access that ranged from wide, paved public boat launches to private boat launches to yard access. DNR is two years into its 5-year sampling effort to understand the prevalence of aquatic invasive species in lakes statewide and also to understand whether efforts to slow the spread are working.



Two years of sampling is not enough to tell if the rate of spread is slowing in lakes with boat access, although there are some positive signs, says Scott Van Egeren, the DNR limnologist who coordinated DNR's sampling over the past two years.

- The number of lakes DNR surveyed and found with the different invasive species was about the same for both years. Finishing up the five years of monitoring will help provide information on the rate of the spread.
- Most lakes with boat access were still free of the worst invasive species; 70 percent of the lakes with public access surveyed were free of Eurasian water-milfoil, despite the fact the invasive plant has been present in Wisconsin for more than 50 years and is considered a relatively widespread aquatic invasive species. And 82 percent of suitable lakes with public access are still clear of zebra mussels, present inland for more than 20 years.

“While we did find one or more invasive species in many of the lakes with private and public boat access, the prevalence of any one of them is relatively low given that some of these invasive species have been present in Wisconsin waters for decades,” Van Egeren says.

Bob Wakeman, who coordinates DNR response to aquatic invasive species, says the preliminary results underscore how important it is that boaters take the required steps to prevent the spread of aquatic invasive species.

Regulations since 2006 for oceangoing ships have effectively halted the introduction to the Great Lakes of new invasive species, Wakeman says, “so it’s up to boaters to keep those invasive species already in the Great Lakes from being spread to inland lakes.

“Out of 184 invasive species introduced to Lake Michigan over the past century, just 29 have made it to inland Wisconsin lakes,” Wakeman says. “Boaters have done a good job in recent years in following the rules, and they can continue to keep the damaging species out of inland waters as long as they [take a few minutes to take some simple steps](#). “And we’re happy to say that ducks are not going to undo your hard work!”

FOR MORE INFORMATION CONTACT: Bob Wakeman 262-574-2149; Scott Van Egeren 608-264-8895; or Jake Vander Zanden, UW-Madison, 608-262-9464

http://dnr.wi.gov/news/Weekly/Article_Lookup.asp?id=2495

Red tide returns to Sarasota County beaches

[Source: Herald-Tribune – Staff Reporter February 27, 2013 5:49 PM](#)

Higher concentrations of red tide are showing up at Sarasota County beaches from Siesta Key beach south through Venice to Englewood, causing slight respiratory irritation for some beachgoers and sporadic fish kills.



Recent beach water samples collected by the Florida Department of Health in Sarasota County and analyzed by Mote Marine Laboratory found concentrations of the harmful algae that causes red tide, suggesting the large bloom that has lingered off the Southwest Florida coast since last fall has made its way north again.

The red tide bloom caused killed large numbers of fish as far north as Anna Maria in Manatee County in January, and south through Sarasota County irritating beachgoers at the height of tourism season.

Now, concerns are brewing again as spring break travelers are expected to make their way here. "The return of red tide could throw what was on par to be a record-breaking tourism season off its course," said Virginia Haley, president of Visit Sarasota County, the region's tourism bureau. "We have been so lucky to be red tide free for a month now," Haley said. "Red tide is going to be the key in seeing how the rest of the season plays out."

Winds from the north over the last few weeks had driven the red tide farther south. But prevailing southerly winds this week are believed to have contributed to the resurgence of red tide in Sarasota County, according to a county press release.

Small amounts of dead fish have been reported and are being cleaned up at Blind Pass Beach, Manasota Beach, Venice Beach and Caspersen Beach to Service Club Park.

Beachgoers with asthma or other chronic respiratory conditions are especially susceptible to airborne toxins caused by red tide and are encouraged to stay clear of the beaches. Health officials also recommend beachgoers wear shoes when walking on the sand to prevent puncture wounds from the spines or bones of dead fish. Swimming in red tide can cause skin irritation and burning eyes. Beachgoers are encouraged to check the Mote Marine Laboratory Beach Conditions Report. The report is updated twice a day and can be accessed online at www.mote.org/beaches. "We are telling visitors to just monitor the beach reports," Haley said. "They are so variable sometimes, you never know what the conditions are going to be like."

<http://www.heraldtribune.com/article/20130227/ARTICLE/130229630/2055/NEWS?Title=Red-tide-returns-to-Sarasota-County-beaches>

Helicopter Blows Deer To Safety Off Frozen Lake

Source: [The Inquisitr](#); February 28, 2013

How do you save a deer stuck on a frozen lake? Well, if you have a helicopter handy you can just blow it to safety.

The [Daily Mail](#) reports that a deer and its fawn got trapped out on the ice of the Antigonish Harbor in Nova Scotia. Ian Waugh, a retired biologist from



Alberta, spotted the deers and alerted the Department of Natural Resources.

Waugh said: "It caught my eye that the female was down on the ice and every time she tried to get up, she would fall back down and she was splayed out,"

The DNR wanted to rescue the deer but decided that it was too dangerous to go out on the ice on foot. So, they did the next best thing. They hopped in a helicopter and went out to the harbor.

The frightened fawn was able to run across the ice as the helicopter descended. The mother, however, was too tired to move. The helicopter dropped down until it was a few feet above the deer and then started to push it across the ice.

Waugh, who was able to capture the rescue on film, said:

"The (wind), because the ice was so smooth, the wind was so powerful that it actually started to push the deer ... It was just brilliant. It was a solution exactly tailored to the situation."

Surprisingly, helicopter pilot David Farrell told the Telegraph that this isn't his first helicopter deer rescue.

Farrell told the *Telegraph*:

"As long as you can keep that deer moving along the ice, it tends to calm down. I don't know if it understands we're trying to help or, I don't know what's going through its mind, but it works good."

Read more at <http://www.inquisitr.com/550150/helicopter-blows-deer-to-safety-off-frozen-lake-video/#q5PBhqwzXVZFqHaA.99>

4-pound goldfish among invasive species at Tahoe

Source: The Associated Press Feb 25, 2013 2:34 AM

RENO - Researchers at Lake Tahoe are raising new concerns about non-native, warm-water fish invading the mountain lake's chilly waters, including giant, minnow-gulping goldfish weighing as much as 4 pounds.

Studies in the mid-2000s prompted funding for a warm-water fish control program at the University of Nevada, Reno. Since the project began in 2011, scientists have removed thousands of fish, including about 90 goldfish, mostly on the south end of the lake around the Tahoe Keys.

It's not clear why the goldfish are populating near-shore regions in Tahoe, but some suspect it most likely is from aquarium dumping. The problem is they eat native minnows, one of the main sources of food for naturalized species such as Mackinaw and trout.

"It is a big deal because it is not just in Nevada. This is something that has gone on throughout the country," Nevada Department of Wildlife spokeswoman Teresa Moiola told the Reno Gazette-Journal. She said the Nevada Legislature in 2011 passed a law to make it illegal to dump invasive fish.

Christine Ngai, a fish researcher at UNR, thought it was an orange soda can or plastic cup the first time she spotted one of the unwelcome visitors back in 2006 near the Tahoe Keys in South Lake Tahoe, Calif.

"As it approaches you realize it is some sort of fish," Ngai said. "And you scoop it up, remove the vegetation and there it is - a goldfish that is the size of your head."

Since 2011, about 35,000 warm-water fish have been removed from water near Tahoe's shore through the program, the vast majority of them large-mouth bass and bluegill. The minnow population declined 58 percent from 1988 to 2009, according to a UNR study.

Large-mouthed bass numbers spiked at Tahoe in the 1980s, Ngai said. Their numbers and the numbers of several other warm-water fish in Lake Tahoe have thrived in the region partly because of climate change, she said.

But the goldfish, even with its population well below that of its other warm-water brothers, might pose another threat.

"They end up excreting nutrients causing near-shore algae to grow, which affects the clarity of the lake," UNR fisheries expert Sudeep Chandra told the Gazette-Journal.

Ngai described goldfish as omnivores efficient at eating and excreting, which creates algae growth and green water. She and other members of the non-native warm-water fish removal program will move into the third year of the three-year pilot program.

They count fish through electric shock, which stuns the fish in water. The shock lasts two to four seconds depending on the type of fish, Ngai said, and the mortality rate is low.

Invasive fish, such as the goldfish, are gathered and removed from the water. Ngai said the program will look to filet them and donate them to food banks.

<http://www.lvrj.com/news/4-pound-goldfish-among-invasive-species-at-tahoe-192986551.html>

Beagle Looking for HAB Sites

Source: Beagle Bioproducts, Inc., Jim Cook

Beagle Bioproducts is looking for lakes, reservoirs or drinking water treatment plants that have a history of combating chronic and extreme toxic cyanobacterial blooms, and which might be expected to bloom this summer. We aim to form mutually beneficial partnerships wherein we remove some of the cyanobacterial-enriched biomass to make our products, and our partners would benefit from the in-depth testing and analysis that we do to monitor and characterize a location. We would share all of the data that we generate, and would hold data confidential unless partners agree to its release. The cooperation will also help to bring needed materials (cyanotoxin reference standards) to the community of researchers and regulators that monitor and mitigate the effects of harmful algal blooms.

Groups interested in possibly working with Beagle can contact us by calling 614-682-6588, or by sending an e-mail message to info@beaglebioproducts.com. And “yes” we are Beagle Bioproducts because we like dogs!

Electric Fish Barrier Ready to Protect Iowa Great Lakes

[Source: Iowa Department of Natural Resources Feb 27, 2013 3:20 PM](#)

The electric fish barrier that will keep Asian carp from entering the Iowa Great Lakes through the Lower Gar Lake outlet is in place and operational. All that remains to be completed for the nearly \$1 million project is final site restoration.

Mike Hawkins, fisheries biologist with the Iowa Department of Natural Resources, said if a high water threat arose, they could activate the barrier to prevent invasive fish from entering the Iowa Great Lakes from downstream.

“Invasive species seem unstoppable and are negatively impacting aquatic resources across the nation. This is an example of coming together as a community to win an important battle against them,” Hawkins said. “The electric fish barrier is currently the only effective tool to prevent upstream migration in this case.”

Electric barriers are superior to physical barriers because they do not obstruct water flow or collect debris. The system creates an electrical field in the water that prevents fish from moving past it. Most fish will avoid the electric field, but if a fish tries to swim past it, the electric field immobilizes the fish and the flowing water pushes it back downstream unharmed.

The electric fish barrier project became a priority after big head carp and silver carp were found in the lakes while sampling fish populations on three separate occasions.

Two bighead carp were collected during a routine population survey in August 2011. In March 2012, 88 big head and 55 silver carp were collected during a seine haul at the East Okoboji Lake narrows. During the same time, two silver carp were collected in Big Spirit Lake.

The fish likely entered the chain of natural lakes during the flood of 2011 that allowed them to pass over two dams in the Little Sioux River and over the outlet dam on Lower Gar Lake at the bottom of the Iowa Great Lakes.

There was a sense of urgency locally and within the DNR to protect the lakes that are important for the area’s tourism industry and economy. The ecology and lakes are too important.

From pre-design to operational, the 10-month project was a locally driven partnership between the cities, county, lake associations, water safety council, private organizations, and the Iowa and Minnesota departments of natural resources.

The Iowa Great Lakes are fed by streams flowing from Minnesota. The Minnesota DNR contributed \$261,000 to the project with funding provided by the Outdoor Heritage Fund. The fund, which receives revenue from Minnesota sales tax dollars, may only be spent to restore, protect and enhance wetlands, prairies, forest and habitat for game fish and wildlife.

“We are looking at every opportunity to protect streams and lakes in Minnesota from Asian carp,” said Steve Hirsch, director of the Ecological and Water Resources Division for the Minnesota DNR. “This collaboration with our partners in Iowa will prevent Asian carp species from moving into the southwestern part of our state.”

“This was a huge community effort to come together, raise money and get the job done,” Hawkins said. “Minnesota had an interest in the project and made a significant monetary contribution. They were a great partner.”

Now that the barrier is in place cutting off access to additional Asian carp from entering the lakes, is there an estimate of how many did get in?

“We do not have a population estimate, but we do know that these fish need large river systems to reproduce and there is no evidence that they can reproduce in a lake environment,” Hawkins said. “We believe their numbers are limited. Commercial netting and our annual sampling will give us some information on numbers.” Big head carp and silver carp are filter feeders and not likely to be caught by hook and line.

So far, there has not been a reported boating incident with these fish in the lakes, and area leaders are confident the barrier will prevent additional unwanted guests from entering the lakes.

<http://www.wowt.com/news/headlines/Electric-Fish-Barrier-Ready-to-Protect-Iowa-Great-Lakes-193650621.html?ref=621>

Good afternoon CLM/CLP's

I am looking for some data or published papers that deal with the use of reservoir flow routing (hypolimnetic withdrawal) as a water quality management scheme. I know this type of work has been done to improve downstream fisheries (i.e. trout), but was really looking if anyone has done it as a lake management strategy. I want to gather some data and information to present to a local stakeholder that is considering it. Would appreciate any data, articles, etc. that you can provide.

Thanks for the time,

Darrin Martin
Water Quality Programs Division
Oklahoma Water Resources Board
3800 N. Classen Boulevard
Oklahoma City, OK 73118
(405) 530 8800

Updated Certified Lake Managers and Professionals Listing

We have updated the directory for our [Certified Lake Managers and Professionals](#) and it is now searchable and sortable. It is also much easier for Certified Lake Managers (CLM) and Certified Lake Professionals (CLP) to update their profiles. CLM's and CLP's may enhance their profiles by adding a summary, a biography, or a photo on the edit profile page on our website. The information

displayed within the profile page will then automatically transfer to the directory. Please contact Greg Arenz at garenz@nalms.org if you have any questions.

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

By Jag Fergus, Title of the photo is "Snow-coated Granite Dells."

Image can be found at

<http://www.flickr.com/photos/jagferguspix/8463484745/in/pool-1871432@N22/>

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

Website of the Month – www.discoverwater.org

Water touches every aspect of our lives from supporting life forms, to weather, to ensuring we stay healthy—not to mention recreational opportunities.

DiscoverWater.org is a self-directed educational resource comprised of eight units about different water topics—ranging from the global to the personal perspective—which together reflect the complex and important roles of water in so many aspects of our lives. It is designed for use primarily by students aged 7-12 and educators for this age group, both in and outside the classroom.

This site is really fun (and educational) for kids and adults!

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.

A few new jobs to the Extension Volunteer Monitoring Network website. Both happen to be located in northern Wisconsin and sound very appealing! See these and others at: <http://www.usawaterquality.org/volunteer/Special/jobs.html>

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.