

2012 NALMS Notes



December 2012

President's Message – Warm wishes for the holidays from (mostly) sunny Florida!

I was recently remembering how quiet and serene it can be to sit on a dock at day's end, toes dipping in the water, and letting the tensions of the day seep away with the setting sun. Perhaps less quiet and serene, but no less enjoyable, is gathering at our annual NALMS conference – seeing dear friends and making new ones, exchanging technical communications, and vacation photos.

A special thanks to everyone who made the November conference in Madison a smashing success. I really enjoyed the daily plenary format with each one giving us something novel to consider. I did meet a lot of new folks at this conference, and they were all younger than me! Not hard, I know, but the point being that we have an active and engaged student membership that is growing by leaps and bounds.



This year NALMS set a new attendance record for students, nearly 50! They were everywhere: giving papers in technical sessions, attending workshops and meetings, and enjoying the evening activities, too. Mentoring our new members and making them feel welcome is important to their professional development and for the future of our society. They are, after all, our future leaders! Join us in this mentoring endeavor or in other student-focused efforts, such as developing our CLM/CLP program to provide for provisional status for our new graduates.

Meanwhile, with the holidays approaching, consider making a donation to our student travel scholarship fund or sponsor a student membership.

Ann Shortelle
President - NALMS
abs@srwmd.org

WITHIN NALMS

Membership in Motion – NALMS is almost 1,000 Strong

NALMS membership is slowly closing in on 1,000 members but we need your help to get there! Our goal is to reach this 1,000 member mark during the upcoming year. And if only 10% of our current members introduce just one new member to NALMS during the next period we will reach this goal. You can help us hit this target by taking action in one of the following 6 ways:

1. Encourage your colleagues to become Lake Leader or Professional members of NALMS.
2. Support NALMS Lake Leader or Professional membership for your employees.
3. Promote NALMS Corporate membership to your company leaders.
4. Inspire your students to become Student Members of NALMS.
5. Advocate NALMS Non-profit or Affiliate membership to your local or state lake association.
6. And RENEW YOUR MEMBERSHIP! This is the most important action you can take. If you are one of the 107 members whose memberships expire soon on December 31, 2012, please make sure that you renew your membership today!

NALMS can, and will, reach this goal – but not without your help.

So far we have renewed about 60% of the 275 members up for renewal during the winter membership period. Currently NALMS is made up of 979 members. But as I've noted above, 107 memberships are set to expire on December 31, 2012. We need about 70 members from this group to renew their memberships in order to reach our goal of an 85% renewal rate. There is still time to make this happen as the winter membership period will continue until February 15, 2013. When memberships expire on December 31, 2012 we will simply turn our efforts from retention to reinstatement and begin sending out renewal appeals to lapsed members. But don't delay if your membership is expiring soon! You may renew today [on the NALMS website here](#) or you may [fill out a Membership Registration Form](#) and send it to the office. As always, please call me at 608.233.2836 or email me at garenz@nalms.org with any questions.

The following is a listing of members that I'd like to thank for joining NALMS or renewing their membership during the last month.

New NALMS Individual Members: Susana Amaral, Kelly Bancroft, Clint Calhoun, Mike Haberland, Ralf Kaegi, Eli Kersh-Oliva, Jacqueline Mulvey, James Palmer, Michael Saviola

New NALMS Nonprofit Members: [Grand River Dam Authority](#)

New NALMS Corporate Members: [Beagle Bioproducts](#)

Renewing NALMS Individual Members: Joe Bischoff, Don Bonneau, Travis Bray, John Burrell, Steven Canton, Victor Castro, Tony Clyde, Al Collings, Lisa Conley, John Cortell, Scott De Leon, Cameron Deacoff, Wendy Dennis, Jim Dugan, Bruce Ellis, Steven Faigen, Maurice Fenton, Dennis Fisher, Millard Fisher, Thomas Gibbins, Marta Griffith, David Halliwell, Barry Husk, Jim Hyde, Connie Jarvis, Bruce Kania, John Lehman, William Logan, Paola Lombardo,

Richard Losee, Jacob Macholl, Darrin Martin, Sean Miller, David Mitchell, Robert Nichols, Michael Perry, Arthur Prest, Lynn Rushing, Nancy Schuldt, Maggie Shannon, Timothy Smith, David Soballe, Dennis Westhoff, Jay White, Rich Wildman, Brian Wood, Rob Zisette

Renewing NALMS Affiliate Members: [Oregon Lakes Association](#)

Renewing NALMS Nonprofit Members: [Merrymeeting Lake Association](#), [Maine Volunteer Lake Monitoring Program](#)

Renewing NALMS Corporate Members: [Fondriest Environmental, Inc.](#), [PhycoTech, Inc.](#), [Allied Biological, Inc.](#)

I'd also like to point out some upcoming changes to your online member benefits. We are currently working on website changes that will affect the member login fields, your membership profile, and the membership directory.

- We will be locking the member login fields in place. Instead of having to click on "Member Login" at the top of the homepage to pop up the login fields you will simply find the Email Address and Password fields locked in place at the top of the homepage.
- When you log into the NALMS website you will soon be able to see your member expiration date listed in the right hand corner of your membership profile box.
- And when you have logged into the website and navigated to the Member Directory instead of a search box you will soon find a listing of all NALMS members. We will also be adding the ability to sort this list and we will continue to offer a search box that you can use to hone your member search.

These new features will be live soon so keep your eye out for them the next time you log in.

Finally, 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

Another NALMS Symposium has come and gone. For me, this was number 16 (Houston in 1997 was my first). As you would expect, we work long hours and weekends in the months leading up to the symposium, particularly during the last 2 months. Even with those extra hours, it sometimes feels like we won't get everything done, but somehow, we always do. In the meantime while I'm holed up in my office, my wife is picking up my slack with chores around the house and putting up with me making appearances only long enough to eat dinner and get ready for bed. Despite this neglect, she volunteered to help us the week before the symposium by putting together the registration packets and then again during the conference handing those packets out to attendees. One of many reasons marrying her was the best decision of my life!



The mad rush of “symposium season” is followed by a week off for the staff, all 2 of us, immediately following the symposium where we try to catch our breaths and get back into “normal” routines. For me, it's always a bit of a shock to realize that I've missed almost all of autumn and that the holidays and winter are fast approaching. While I was staring at a computer screen taking care of registration questions or laying out the symposium program, the trees lost their leaves and the cold of late fall settled in.

As those of us in the north bundle up and get ready for winter, I wish you happy and peaceful holidays!

Philip Forsberg
Program Manager

Belgrade's Maggie Shannon Named a Purpose Prize Fellow

Source: Encore.org, Maggie Shannon, 207-495-2301, msshannon@mainecola.org

Encore.org announced that Maggie Shannon of Belgrade, Maine, is a 2012 Purpose Prize fellow. The Purpose Prize is the nation's only large-scale investment in social entrepreneurs and other creative problem solvers in the second half of life. The Purpose Prize honors Americans 60 and older for changing lives in new and creative ways

Shannon was named a fellow for her work to protect the outstanding quality and value of Maine's nearly 6,000 lakes and ponds. As Executive Director of the Maine Congress of Lake Associations (Maine COLA), she heads the only statewide membership organization dedicated to lake stewardship, education and advocacy.

Created in 1970, the Maine Congress of Lake Associations is a network of over 120 independent lake associations and hundreds of individual members dedicated to preserving the value and benefits of Maine lakes, ponds and watersheds. COLA educates the public and its members to

coexist with lakes through its youth education, LakeSmart and other programs, and also provides science-based information on lake issues for decision makers. For more information, please visit www.mainecola.org

“Purpose Prize fellows use their passion and experience to help solve some of society’s steepest challenges,” said Marc Freedman, founder and CEO of Encore.org and author of *The Big Shift*. “They represent a growing wave of people in their 60’s and beyond who are using their knowledge to change the world, while shifting perceptions of what is possible in this stage of life.”

The Purpose Prize program is funded by the John Templeton Foundation and The Atlantic Philanthropies. The Prize is awarded by Encore.org (formerly Civic Ventures), a nonprofit that promotes encore careers - - work that is both personally meaningful and serves the greater good.

For more information about The Purpose Prize, visit: www.encore.org/prize

Employment Opportunity

Assistant Professor in Aquatic Ecology to Support Master of Science in Lake Management Program

The Department of Biology at SUNY Oneonta invites applications for a tenure track position as an Assistant Professor of Aquatic Ecology beginning August 2013. The Biology Department offers five majors tracks, two graduate programs and excellent facilities including the College’s Biological Field Station (BFS) on Lake Otsego in nearby Cooperstown, NY. This position is three quarters time teaching with the remaining time devoted to furthering the research mission of the Biological Field Station. An internship program and a new Master of Science program in Lake Management utilize BFS resources including permanent and temporary wetlands, uplands, forests, and streams on 2600 acres, and access to Lake Otsego.

The full announcement and application information can be found at:
<http://oneonta.interviewexchange.com/jobofferdetails.jsp?JOBID=35918>

Question to NALMS Members

From Ed Neff, neff.ews@gmail.com

Ed is a long time resident of Deep Creek Lake, Oakland MD and have recently been elected to POA board (<http://www.deepcreeklakepoa.com>). This lake association has a unique 9-1-1 response phone service using a lake dock numbering system. Ed would like to know if there are any other lakes out there that have a similar emergency response system. Please contact Ed directly if you know of a lake that uses a dock numbering system with a contact data base.

CONFERENCES & EVENTS

Opportunity to Apply for 2013 Source Water Collaborative (SWC) Pilots

Source: www.sourcewatercollaborative.org

The SWC's membership wishes to help promote state and/or local actions by sponsoring three collaborative efforts in 2013 to protect drinking water sources by gaining the support of key agricultural and/or Clean Water Act authorities to implement conservation practices and other effective approaches.

The SWC is asking interested parties to submit an Expression of Interest. This sponsorship would be a 10-month commitment and would include planning support.

Goals of the Pilot Program

- Leverage opportunities to integrate the Clean Water Act priorities, programs, and activities with those of the Safe Drinking Water Act to protect drinking water sources.
- Leverage opportunities to build a collaborative effort with USDA's Natural Resources Conservation Service (NRCS) State Conservationist's office. Specific collaborative efforts with a goal of one or more of the following:
 - Coordinate source water protection needs with NRCS programs and priorities, such as the Environmental Quality Incentives Program (EQIP) and Conservation Reserve Program (CRP).
 - Update State 590 Standard to establish ongoing nutrient management on the ground with consideration of drinking water sources.
 - Establish a relationship to provide specific input to watershed selection and implementation of the National Water Quality Initiative based on nutrient concerns for drinking water sources in the watershed(s).

Key Dates for 2013 Pilot Selection

- December 12, 2012: Notify the SWC with your intention to submit an Expression of Interest by emailing Christene Jennings christene.jennings@saltermitchell.com
- December 21, 2012 (No later than Noon EST): Please email your formal Expressions of Interest to Christene Jennings (christene.jennings@saltermitchell.com)
- February 22, 2013: Expected date of Notice of Decision on Proposals. The SWC will announce the selected projects by email to everyone who sent an Expression of Interest.

E-mail questions to: Christene Jennings (christene.jennings@saltermitchell.com)

LAKE NEWS & INFORMATION

U.S. National Early Detection and Rapid Response System for Invasive Plants

Common Name: Crested Floating Heart

Scientific Name: *Nymphoides cristata* (Roxb.) O. Ktze.

Description: An herbaceous aquatic plant with floating stems from a buried rootstock.

Slender tuberous roots dangle from the stem-leaf node. A Single Heart-shaped Leaf with smooth margins, cordate base, and short petiole at the tip of each stem. Flowers white, with membranous margins, 0.3-0.9" wide, petal lobes with a ruffled crest (like a rooster's comb) along the upper midvein, blooming from summer to fall. Fruit an oblong capsule, with smooth, rounded seeds.

Similar Plants: Big Floating Heart (*N. aquatica*), Little Floating Heart (*N. cordata*), and Water Snowflake (*N. indica*).

Habitat: Crested floating heart grows in ditches, canals, ponds, and lakes.

Native Range: Asia. Pathways of Introduction and Spread: Crested floating heart was first introduced to the U.S. as a water garden plant. Once established in a waterway, fragments of the plant are spread by wind, flowing water, boats, and trailers.

Crested Floating Heart in Florida: Free living populations of Crested floating heart were first observed in cypress swamps and water management canals in southeast Florida in the late 1990s. Within a few years, large canals and suburban lakes in the central and eastern parts of the state had become infested. There is serious concern about this plant because herbicides that control other floating and emergent invasive plants have had little effect on it. *It is still being sold in the water garden trade.*

Crested Floating Heart in South Carolina: Crested floating heart was first detected in a 20 acre cove near Eutaw Creek at the southeastern end of Lake Marion (Orangeburg County), South Carolina, in August, 2006. This was the first time that free living populations of the plant had been found outside of Florida. The plant was most likely introduced into the Santee Cooper Lake System (Lake Marion and Lake Moultrie) from backyard water gardens, or by recreational boaters. Initial applications of herbicides that control other aquatic weeds were largely ineffective. Low water levels experienced during of 2007-2008, as well as freezing winter temperatures also had little effect on the plant. By mid-2007, about half of the cove at Eutaw Creek was covered by the plant. By late 2008, the plant had spread to other areas of the lake, both downstream and upstream from the original infestation. In 2009, it was estimated that about



2,000 surface acres of Lake Marion are infested with the plant. It has also been found in nearby Lake Moultrie, as well as the Santee River below the Lake Marion dam. Crested floating heart has also been detected in a golf course pond on Pawleys Island, South Carolina (Jack Whetstone, Clemson University, Georgetown, South Carolina. Personal Communication, May 19, 2010). Control efforts have continued in the Santee Cooper System with limited effectiveness. Chemical applications by airboat and helicopter have shown positive results, however the plant continues to demonstrate the ability to regrow from root crowns that survive the initial treatment. Crested Floating Heart has continued to spread throughout the lake system with a total of some 6,000 acres infested as of October, 2012.

Blue-Green algae bloom closes beaches in Australia

Source: <http://www.smh.com.au/environment/blooming-stink-as-bondi-closes-20121127-2a4nl.html#ixzz2EfLO8W9B>

Winter here means summer there. We often forget that while we experience short days and cold nights, Australia and the other countries in the Southern hemisphere are experiencing their summer season.

Bondi Beach, near Sydney, could be closed for up to 36 hours while tests are conducted on the algal bloom that stained the water a red color.



A spokeswoman for Sydney Water said a maintenance team, including a water quality expert, arrived at Bondi to carry out extensive tests on site, plus take samples to be tested in laboratories.

Algal blooms often appear in hot and humid weather, such as experienced in Sydney during the past three days. An expert from the NSW Department of Water said blue-green algae is often brown, red, or pink because of photosynthetic pigment, which gives a brown, red, or pink color to the cells.

The Sydney Water spokeswoman said there appeared to be no issues with the sewage treatment plants at Bondi and Malabar. The managers of those plants had confirmed they were in working order. While Sydney Water was fairly confident the bloom had not been caused from pollution or sewage, it was doing tests on site to check for fecal coliforms.

She said those results would be available quickly, but the tests determining what kind of algae was causing the bloom would take as long as 36 hours. Unofficial results would likely be given to Waverley Council, which manages Bondi, within 24 hours.

Supreme Court may Punt on Oregon Logging Road Pollution Case

Source: *The Oregonian*,

http://www.oregonlive.com/environment/index.ssf/2012/12/us_supreme_court_may_punt_on_o.h.tml

The U.S. Supreme Court may decide to punt on an Oregon logging road pollution case that has already bounced through the federal courts since 2006, justices indicated today, a move that could spawn years of additional litigation.



The justices' comments came after the Environmental Protection Agency issued a new rule recently clarifying that polluted run-off from logging roads shouldn't be treated like "point source" run-off from factories and feedlots under the Clean Water Act.

EPA's new rule was intended to be timber-industry friendly, directly contradicting a 2010 decision by the 9th Circuit Court of Appeals that the Supreme Court had decided to review. Instead, the change could end up prompting the court to decline to judge the case, leaving the 9th Circuit's decision in place for now or prompting a second round of lawsuits over the new rule.

Wyoming inspects more than 38K Boats for Aquatic Invasive Species

Source: *Casper Star Tribune*

Wyoming conducted more than 38,600 boat inspections this summer under a program that aims to keep undesirable mussels and other invasive species out of the state's lakes and reservoirs. Only 219 of the total inspections were considered high-risk for possibly having invasive species, and 94 of those resulted in watercraft being decontaminated, said Beth Bear, invasive species program coordinator for the Wyoming Game and Fish Department.

Great Lakes and their Great Beaches

Source: *Jeff Alexander*, <http://greatlakesecho.org/2012/12/04/great-lakes-problems-playing-out-on-regions-beaches/>

Great Lakes beaches are known for breathtaking vistas and recreational activities that drive the region's tourism economy, but a growing number of experts are viewing those same beaches as important indicators of ecosystem health.

Experts agree that the Great Lakes are cleaner and healthier than in 1972, when Congress passed the Clean Water Act. But the lakes,



which provide drinking water for 30 million people, remain plagued by environmental problems that threaten human health, harm fish and wildlife, and hurt the region's multi-billion dollar tourism economy.

According to government data, in 2012:

- Bacterial pollution tied to human and animal waste forced beach closures in all eight Great Lakes states.
- Blooms of cladophora algae that breed harmful bacteria forced beach closures at several sites on lakes Ontario, Huron, and Michigan.
- Toxic algae blooms remain a chronic problem on Lake Erie, although a drought this year reduced the size of the bloom.
- A rare bloom of potentially toxic blue-green algae in July coated nearly two miles of Lake Superior shoreline in the Apostle Islands National Lakeshore with green scum.
- Outbreaks of Type E botulism killed scores of water birds along beaches in northern Lake Michigan. Since 1990, Type E botulism outbreaks, which have been exacerbated by invasive zebra and quagga mussels, have killed more than 87,000 birds at beaches along lakes Michigan, Erie, Huron, and Ontario.

On a regional basis, Great Lakes beaches are closed more often by bacterial pollution than beaches in any other region of the United States, according to government data analyzed by the Natural Resources Defense Council.

Many sources contribute to bacterial pollution at Great Lakes beaches, but cities with faulty sewer systems are one of the most obvious and chronic sources of water pollution, said Lyman Welch, water quality program director at the Chicago-based Alliance for the Great Lakes.

When rainfall overwhelms combined sewer systems, cities discharge the diluted sewage and stormwater into the nearest waterway to prevent flooding of homes and businesses. U.S. cities discharge more than 18 billion gallons of diluted sewage and stormwater into the Great Lakes each year, according to an Alliance for the Great Lakes study.

But Congress in recent years has made deep budget cuts in the federal program that helps cities pay for sewer upgrades. Congress is now considering eliminating funding for beach monitoring programs. If lakes reflect the condition of the watershed, then beaches collect the condition of the watershed.

West Virginia issues New Stormwater Management Guide

Source: <http://www.sfgate.com/news/science/article/W-Va-issues-new-stormwater-management-guide-4099282.php#ixzz2E1Zl6jQF>

The West Virginia Department of Environmental Protection said it has issued the West Virginia Stormwater Management and Design Guidance Manual. Officials say the 500-page guide produced by the Center for Watershed Protection is the first of its kind in the state. State and federal funds were used for the \$150,000 project.

The guide outlines ways to use plants and soils to reduce runoff volumes and pollutants at development and redevelopment sites. The state environmental agency says the manual can be used as a design resource by any community interested in more effectively dealing with the harmful effects of polluted stormwater to West Virginia's waterways.

Could it Happen in a Lake – You Decide

Source: Steve Lundt, certified movie critic

As a NALMS certified lake manager, I tend to over analyze movie lake scenes and find myself asking, “could that really happen!?” The most recent movie that I found myself asking this question was the newest James Bond film, *Skyfall*. I highly recommend this movie by the way, especially if you are a Bond fan.

Bond may have a *license to kill*, but he definitely does not have a license to lake manage. Close to the end of the movie, Bond finds himself on thin ice as usual, but this time he is actually standing on a thinly frozen lake in Scotland. Not to ruin the ending for you (we all know that he always gets the bad guy and the sexy lady but one of these does not happen this time) but he finds himself wrestling a bad guy to the death as they slowly sink in this thermally stratified lake at night time. During this scene, I found myself questioning the water temperature, how long he can hold his breath, the average depth of the lake, where are the fish, what kind of algae is there, and the impressive Secchi depth in order for him to find his way back to the hole in the ice (he uses a flare gun of course to light up the water column). So for those of you who have seen this film, you should ask yourself, could this happen in a lake.

Maybe Hollywood and the film industry need a CLM on staff for these kinds of movie scenes.

Ice Skating on Lakes during the Winter

Source: <http://www.lake-winnepesaukee-travel-guide.com/ice-skating-tips.html>

Learning some ice skating tips when you're on a pond or lake in will help keep you safe. Skating in the outdoors is fun exercise, plus you get some fresh air. To help you have a more enjoyable experience, here are some ice skating tips for a frozen lake or pond:

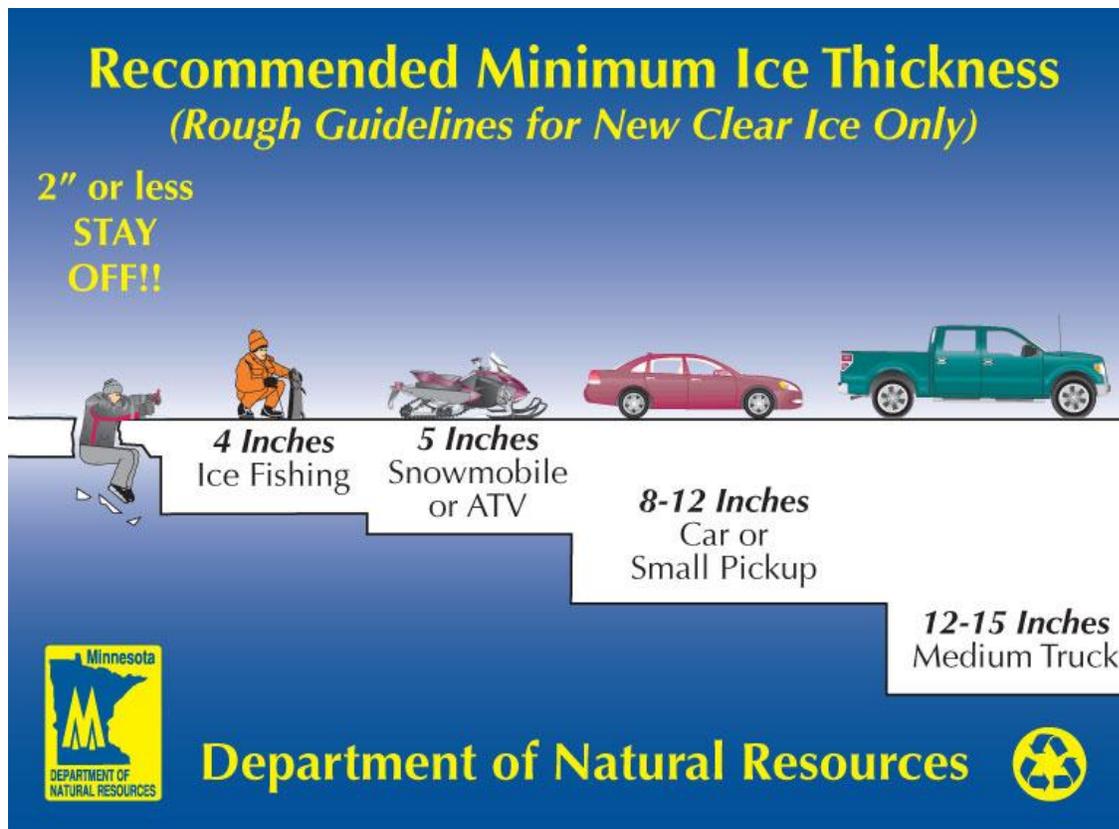
- When skating on a pond or lake, the thickness of the ice varies over different parts. Water currents, narrow spots, and debris such as logs or rocks can make that area have thinner ice.
- New ice is generally thicker than old ice. Over time, the bond between ice crystals will decay, causing the ice to be weaker.
- Ice around trees, logs, dams, rocks, embankments, or partially submerged objects is generally weaker. They tend to absorb sunlight and warm up the ice around them.



- Snow covering the ice acts as an insulator. Snow does keep the ice strong, but it also prevents it from freezing. Plus, snow can hide cracks and thin ice.
- Stay away from slushy ice. This means that the ice is no longer freezing from the bottom and causes the ice to weaken.
- Never ice skate alone. It's best to have three people. One to stay in case someone gets hurt and one to run for help.
- Children should never skate on a pond or lake unsupervised.
- Do not skate after dark on ponds or lakes. You cannot see where you are going and will not be able to stay away from thin ice or cracks.
- Do not have everyone stand in one area. The weight of a lot of people in one area could weaken the ice. Spread out so the weight is evenly distributed.
- Stay away from areas that have cracks, pressure ridges, slush, and dark spots. This usually means thinner ice.

Be Safe on the Ice this Winter

Source: <http://www.dnr.state.mn.us/safety/ice/thickness.html>



This was such a good find from last winter, here it is again

From <http://www.nodakoutdoors.com/poemphp.php>, By Nick Simonson

'Twas the Night before First Ice

'Twas the night before first ice, and all through the lake, not a fish had been stirring, not even a splake. The buckets were filled with my rods and my tackle, in hopes that the perch would like jigs trimmed with hackle.

The tip-ups were strung with nylon and leaders, to deal with the teeth of big predator feeders. The minnows were purchased and set on the steps, the Vexilar charged to read various depths. When out under the ice there arose such a clatter, I sprang into my coveralls to assess the matter. In the dark to the pickup I flew like a flash, and drove to the station to fill the auger with gas.

The full moon on the breast of the new-frozen water, meant the ice-season action could not get much hotter. Alone toward the lake I started to steer, soon the roar of the auger was all I could hear. Setting tip-ups and jigging on the ice all around, searching for fish like a veteran bloodhound. More rapid than lightning to my baits they came, I hooted and hollered and called them by name. Now, NORTHERN, now WALLEYE, now BLUEGILL and CRAPPIE! Come, RAINBOW and YELLOW PERCH and you don't have to stop-pie! To the treble of tip-up, to the jig or the spoon! Now bite good and hard and I'll be here past noon!

The excitement, the passion, the fins and the tails, impossible to measure with rulers and scales. The colors of fishes of varying size, the wonder of nature that lit up my eyes. And then, in an instant, I set the hook hard, I looked down and saw her – she must measure a yard! In gold and silver and tipped with white, she promised to battle me into the night. Rolling and twisting with her strength she did brag, as from my reel she pulled on the drag. I cranked and it squealed as her head neared the hole, grabbing her quickly, I achieved my goal. Her eyes – twinkling silver, her gills how they flared, sharp curved white teeth, her pointy mouth bared. I unhooked the spoon with a twist of my plier, and gazed at a walleye anyone would admire. Better suited she was for story than plate, watching her swim away, I had to feel great.

To let free such a whopper to catch one day again, is a thing that is done by the greatest sportsmen. In the picture I took she was preserved for all, and the photo was enough for me to hang on the wall. The sun was then setting, and the day felt complete, to the truck I went packing with snow at my feet. Though cold all around and night beginning to fall, I was warmed with a memory that could top them all. As I drove away, the lake leaving my sight, I thought long and hard of that day and that night. And the next time I'm bothered with everyday chores, I'll just remember this time, spent in...our outdoors.

Website of the Month - <http://www.epa.gov/sandy/>

US EPA quickly launched a website dedicated to the recovery efforts after Hurricane Sandy. There are facts sheets about flooded buildings, mold cleanup, household hazardous waste disposal, curbside pick-up dates, and links to individual state responses and other 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

*Sunset at Eleven Mile Reservoir,
Colorado*

By [JusDaFax](#)

<http://www.flickr.com/photos/davesoldano/8219053869/in/pool-nalms>

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.