

2010 NALMS e-Newsletter



October 2010

President's Message – The Fall Classic

Most of you know that baseball has created a warm spot in my soul having played for many years and coached several years as my son learned the finer arts of the game. This year however, I am having difficulty as the playoffs get closer because my two favorite team Tamp Bay Rays (American League) and Atlanta Braves (National League) may both get into the playoffs and then I would have a very difficult time deciding which team to support. You also must know that I cannot cheer for any teams North of the Mason Dixon line. By the time you read this we will all know who made it to the playoffs and by the time I see you again we will know who is in the World Series and possibly looking at games five, six, and seven (if needed) in Oklahoma City.



Gainesville, Florida City Recreational
13-15 year old 2009 Champs!

Another fall classic that I can hardly wait to see is this year's 30th Annual NALMS Conference in Oklahoma City! Julie Chambers the Program Chair of this year's conference has just sent out the preliminary program, and it looks excellent. Unfortunately, just like having two favorite teams in the baseball playoffs there are so many good talks this year that you will be forced to miss some of them occurring in concurrent session. There will be multiple sessions including but not limited to the following:

- Nutrient Criteria
- Fisheries Reservoir Habitat Partnership
- Alum treatments
- Watershed Management
- In-Lake Nutrient Monitoring

In addition to presentation and the poster sessions there are also several workshops including but not limited to:

- Collection, Identification, Ecology & Control of Freshwater Algae
- Ecological Approach to Invasive Aquatic Plant Management
- Lake Phosphorus Inactivation & Interception
- Tools for Lake and Watershed Assessment -- Part 2
- Understanding Dissolved Oxygen

The beauty of the NALMS Annual Conference, however, is the ability to catch up with a speaker that you may have missed during concurrent sessions. There are breakfasts, breaks, lunches, dinners, and social events that allow abundant time for you to network and ask speakers questions

about talks that you may have missed. Please inform your colleges about our Annual Conference and invite them to come and enjoy the NALMS 30th Annual Conference in Oklahoma City November 1 through November 5, 2010.

This is the last newsletter article that I will be writing as President of NALMS. These past two years as President Elect and then President have been interesting and eye opening. Standing out is the plethora of talented volunteers that work tirelessly for our society and that helped me any time that I asked for help. However, there is more work to do than volunteers have time to accomplish. The take home message here is to get involved! There are many things NALMS needs help with that you could probably accomplish and many hands make light work. Contact your Regional Director, any one from the Executive Board, and/or the NALMS staff, and we can certainly find some way for you to help NALMS. I would like to list and acknowledge all who have helped me in these last two years but inevitably I would forget a name and there is not enough space to list them all. So for all those who have helped me during these last two years (you know who you are), I thank you from the center of my heart.

Thanks,

Mark Hoyer
President, NALMS

WITHIN NALMS

Membership in Motion - Sarah Unz

Last month I was asked to sit on a panel at the University of Wisconsin's Nelson Institute of Environmental Studies to discuss with students the benefits of internships and how to get one. It was a great opportunity for me to connect with students who are interested in non-profits, environmental studies, and NALMS. After the panel discussion, there was an alumni meet up and I met with the Nelson Institute's Director of External Affairs. We talked about how the University and NALMS can form a closer partnership. The Nelson Institute is trying very hard to stay better connected to community organizations and alumni in general. I have no doubt that this will benefit NALMS in the future. Overall, it was a successful event and I even got some free beer!



The September membership renewal period is over and I want to thank everyone who renewed. Your continued support of NALMS is critical as we push to increase our membership numbers. We couldn't do what we do with out you! A big welcome to all our new members:

Kumud Acharya
Linda Bacon
Lisa Benton
Linda Bishop

Andy Bruere
George Buckaloo, Jr.
Heidi Bunk
Andrew Chapman
Sandra Cooke
Bo Douglas
Heather Duchscherer
Judy Dudley
David Gay
Krista Harness
Theodore Harris
Al Horn
Rick Howard
Bradley Hufhines
Melissa Hughes
Seva Iwinski
James Jawitz
Al Johnson
Brian Jonckheere
Mark Kordus
James Kurtenbach
Valerie Labrecque
Jan Larkin
Jo Latimore
Deron Lawrence
Lance Lombard
John McCoy
Thomas McNabb
Justin Nawrocki
Brett Olds
James Petta
Mark Porath
Monty Porter
Dianne Reid
Arick Rouhe
Richard Ruane
Todd Sellers
Barbara Speziale
Ernesto Tacchi
Lenore Tedesco
Elizabeth Thomas
Erica Tietjen
Shannon Wetzel
Richard Wildman
Dennis Yarbrow

All new members will be entered into the President Elect's Challenge with a chance to win a prize at the Symposium. Welcome to NALMS!

The office is in full Symposium mode. The big event is only a couple weeks away and time is flying by. Philip and I will be at the registration desk, so please stop by and say hello. This is one of the only chances we have to talk with members face to face and we look forward to it!

As always, if you have any questions or concerns about your membership, please contact me at 608-233-2836.

Take care,

Sarah
Membership Services Coordinator

UPCOMING CONFERENCES & EVENTS

Take a Bus to the Symposium in Oklahoma City November 3-5th



With less than a month away, it is time to make your final preparations for Oklahoma City. Hotel, airline tickets, rental car, which workshop to join, and of course symposium registration should all be on your to-do list.

Similar to last year's symposium, the best way to travel from the Oklahoma City airport to the symposium is by public bus. For a buck fifty, it is the best deal in town to get to the Cox Convention Center and Renaissance Hotel.

Taxi should be about \$25 and other airport shuttle services range from about \$10 to \$23.

Route 11 goes to the Will Rogers World Airport three times a day during the week (7:47am, 11:47am, and 5:02pm). The bus ride takes about 40 minutes to get to the downtown Transit Center. Then it is about 6-7 block walk to the convention center and hotel. The link to the bus route is <http://gometro.publishpath.com/route-11>.

This years Symposium will be an excellent time and to kick things off we have organized a pub crawl. Please meet in the NALMS hospitality suite at 6pm in the hotel Tuesday evening. Hope to see you there!

Don't forget about the NALMS Membership Meeting on Thursday November 4th before the banquet. Speaking of the banquet, this year will we will be going to the Oklahoma Heritage Museum - <http://oklahomaheritage.com/default.aspx>.

If you have job opportunities to post, please bring them with you to the Symposium. We will have a board dedicated to job postings. There are a number of students attending as well as seasoned professionals, so jobs at all levels are encouraged.

Lastly, if you have not registered yet, please consider doing so before the next registration deadline, October 22nd. After this date, the price increases to \$550. Register today!

Affiliate of a Good time in Oklahoma City

All NALMS affiliate members and anyone else interested in how the affiliates work are encouraged to meet up during the symposium to network and talk about Affiliate topics. To avoid conflicts with early morning runners and late night drinkers, instead of an Affiliate breakfast this year, we will conduct our social meeting at the last stop on the pub crawl event on Tuesday night, November 2nd.

This will be an informal affiliate meeting and the point is to provide a way for affiliate members to talk amongst ourselves and to communicate with NALMS staff about any Affiliate/NALMS topics that are of interest to people. Networking is key, especially when so many lake organizations are dealing with similar issues and topics. Sharing thoughts, problems, and solutions is a great way to help out fellow affiliates.

So please join us on the pub crawl Tuesday night. NALMS hospitality suite of the hotel at 6pm for the pub crawl. The official affiliate stop will be the upstairs at the Bricktown Brewery, the last stop.

Affiliate Websites – Check out this one

A great way to see what other affiliates are doing is to check out their websites and see what they are up to. Here is a good example of how to keep it up to date and it also has a great Ten Best Practices for keeping lakes clean.

North Carolina Lake Management Society - <http://www.nclakemanagement.org/>

First Question for NALMS Members

A question was posted on the Wisconsin Department of Natural Resources lake blog about using vegetation to keep people out of lakes. Please respond directly to Early Byron if you have any information about the question below.

Earl Byron, Senior Technologist/Aquatic Science with CH2MHILL would like to know if anyone has experience excluding people from using a contaminated lake by filling the shoreline with cattails or encouraging the overgrowth of submerged aquatics? Any examples and/or experience with such techniques would be appreciated. Earl Byron contact information: office: (916) 286-0274 or cell: (916) 799-0555.

Second Question for NALMS Members

This question comes from Al Sosiak from Alberta, Canada. Please send your helpful comments directly to Al.

Question: Does anyone have experience with dredging mainly designed to control macrophytes?

I have a client that is getting quite serious about dredging a 2.65 km² reservoir that receives a lot of urban stormwater and has a big problem with various macrophytes, mostly different types of pondweed. They keep four harvesters going all through the summer. Fortunately they can really

draw down this reservoir in winter and use conventional heavy equipment. Infilling is a problem, but they consider macrophytes the main concern. The reservoir is relatively shallow (mean 3.47 m, max 7 m) with a very short residence time, about 10 days during the summer.

If you did dredge, to what depth did you dredge? The standard advice is to go below the euphotic zone and numbers I've found in the literature range from 10' to 2-3 times Secchi depth. This project will be very expensive so important that we go as deep as we need, plus a bit for the typical sedimentation rate, but no more. Also, how well did it work out and were there any surprises, either pleasant, or not so pleasant.

Please send your ideas and comments to Al Sosiak (Al.Sosiak@telus.net).

LAKE NEWS & INFORMATION

Introducing the New White House Asian Carp Czar

John Goss was assigned in early September by the Obama administration as the first-ever Asian Carp Czar. This new position was filled due to the recent threats to Lake Michigan and the Great Lakes ecosystem by the Asian carp that are charging up the Chicago River.



John Goss will report directly to the White House over the efforts to eradicate the Asian carp. In an interview with National Public Radio's Robert Siegel, John gave a detail description of near-term plan to protect Lake Michigan and a long-term vision on how to remove Asian carp from U.S. waters. For a complete audio recording of this interview, go to <http://www.npr.org/blogs/thetwo-way/2010/10/07/130404545/asian-carp-czar-john-goss>.

Jersey City's Liberty Landing Marina Gets 'Clean Marina' Designation

Liberty Landing Marina in Jersey City is one of 11 marinas added recently to the New Jersey Clean Marina program by the Department of Environmental Protection (DEP) and New Jersey Sea Grant Consortium.

The program, launched in 2005, aims to spur marinas to adopt programs to protect the environment. Each marina is evaluated for launching any of a number of voluntary best management practices it undertakes to protect the environment. These practices can include everything from recycling the shrink-wrap used for boat storage to developing environmental emergency response plans.

With the 11 marinas recently added, the number of facilities earning the designation across New Jersey now stands at 40.

“Launched just five years ago, the Clean Marina program is an environmental success story,” DEP commissioner Bob Martin says in a statement. “The program now reaches into virtually every corner of the state, from the Atlantic Highlands to Cape May, and is a great example of a public-private partnership that fosters environmental stewardship.”

If you have a marina on your lake or reservoir, you should see if there is a Clean Marina program in your state and see what it would take to get certified.

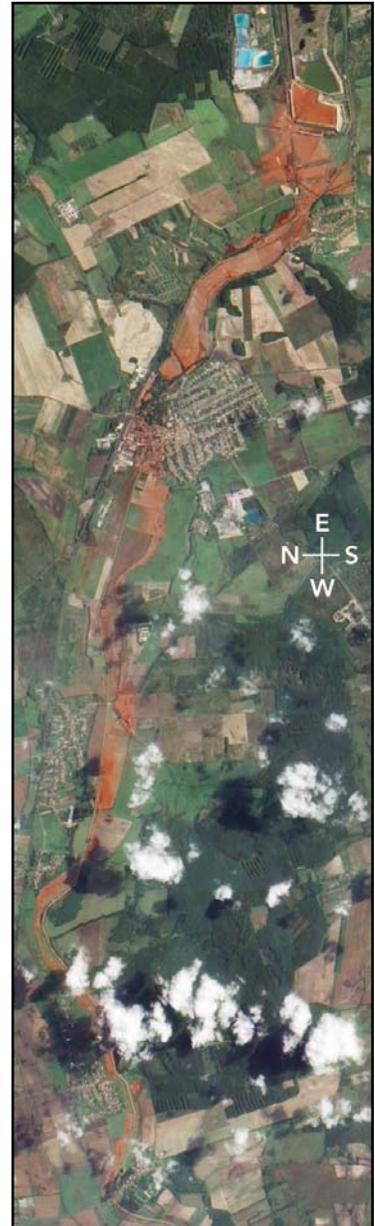
First Satellite Images of the Alumina Plant Spill in Hungary

For those who have experience with the use of alum in lake and reservoir management, this article may interest you.

The plant, located about 160km (100 miles) from Budapest, produces alumina - or aluminum oxide - from bauxite ore. The by-product of the alumina production is stored in a reservoir near the plant.

The toxic material escaped from a breach in the corner of the reservoir on October 4th, sending a torrent as high as 2 meters through nearby villages.

The alumina plant appears along the upper right edge of the image and incorporates both bright blue and brick red reservoirs. The sludge cut a channel through the northwest corner of the waste reservoir and spread onto nearby fields.



New Web Clearinghouse of Information for Lake Shoreland Protection Resources

EPA's Office of Water launched a new Web clearinghouse of Lake Shoreland Protection Resources, <http://water.epa.gov/type/lakes/shoreland.cfm>, which provides practitioners with links to key resources to protect and restore fragile lake shorelands and to promote better stewardship by lakeside property owners and others who recreate on lakes. The clearinghouse, which includes links to fact sheets, webcasts, videos, and other helpful resources for lakeshore protection, is part of an outreach campaign to educate the public and others about the key findings of the National Lakes Assessment (NLA). According to the NLA, poor lakeshore habitat and high levels of nutrients are leading stressors affecting the biological health of lakes. Among the key findings:

- 56% of our lakes are in good biological condition
- More than one-third of our lakes exhibit poor shoreline condition
- Poor biological health is three times more in lakes with poor lakeshore habitat
- Nearly 20% of lakes have high levels of nutrients
- Lakes with excess nutrients are 2.5 times more likely to have poor biological health
- Microcystin is present in about one-third of lakes across the country

In 2007, EPA, the States, Tribes, and others partners sampled more than 1,000 lakes as part of this first-ever, national assessment of the ecological condition of the nation's lakes. To download a copy of the report or the data used in developing the report, please visit <http://www.epa.gov/lakessurvey/>.

Has Phosphate-Free Dishwashing Detergents Hit your Stores Yet?

Several states such as Washington and New York are rolling out new state-wide phosphorus bans for dishwashing detergents. Similar to the wave of laundry detergent bans in the 1970's, the hard work of several states to ban phosphorus in these cleaning products will eventually lead to reductions of phosphorus in all the other states that don't have bans because manufactures will just make one formula.

It seemed to take 10 plus years to get phosphorus free or low laundry detergents into Colorado thanks to the 1970's bans. This time around though, it seems that Colorado, and maybe your state also, is already seeing the benefits for dishwashing phosphorus bans.

A recent, unofficial survey in a major grocery store in Denver revealed that every single dishwashing detergent on the shelf was labeled as being phosphate free. This was a surprising discovery since it was just last year that Spokane, WA residence were reported driving to the closest Idaho Costco to get the old phosphate rich formula that was no longer allowed to be sold in Spokane. Did the dishwashing detergent industry already switch over to new non-phosphorus formulas across the country? Can all of us lake managers out there dealing with phosphorus TMDLs claim these load reductions?

So take about 5 minutes the next time you are in your local grocery store to see if your dishwashing detergents have already switched over. Some reports say that dishwashing detergents use to make up anywhere between 9% to 34% of the incoming phosphorus to a waste water treatment plant. This might not be a significant reduction for treatment plants, but someone better claim these reductions when it comes to implementing lake and watershed nutrient plans.

Next Lake Hoax or Is It

Many of you quickly called us on the 29 foot alligator story and yes it was a hoax. But here is your next challenge.

Because of the monstrous alligator story in August, NALMS received another report of a lake monster. This one comes from Lake Merritt in Oakland, CA.

You be the judge.

Some say those are just old rubber tires tied up next to a red light bulb, but others say that global warming may have caused a local expansion of the planetary crust, creating fissures leading down into the earth where the creature came from. This sighting was documented even in the November 2006 issue of the Lake Merritt Institute Newsletter, http://www.lakemerrittinstitute.org/11_06_tidings.pdf.



The children around Lake Merritt should have a great time trick-or-treating every year around the edges of this lake. Please send us more photos of any other lake creatures that you know of.

State Nutrient Criteria Development in Wisconsin

Is your state dealing with nutrient criteria and standards development? If so, then you might want to see how Wisconsin recently passed their state phosphorus standards. Wisconsin's Natural Resources Board approved the new rules in June and the state legislature had until early September to object to them.

The package of nutrient rules created new restrictions on a wide range of potential phosphorus sources, from farm fields to large-scale wastewater producers. Business groups have complained that the rules will be too costly, but supporters have said that the rules will result in cleaner water and protect tourism. The rules could go into effect by early next year.

Lake Legends – Pyramid Lake, Nevada

Pyramid Lake is a true natural wonder located in the Pyramid Lake Paiute Indian Reservation in western Nevada. It is one of five remaining salt lakes in the United States. Local Paiute Indians control the lake, but it is open to the public for fishing and recreation. Pyramid Lake gets its name from the unusual Tufa rock formations found there. On the eastern shore of Pyramid Lake sits a large pyramid shaped stone Tufa called Stonemother. According to Paiute legend, she is the mother of their people, and of all other Native Americans. Her husband, the father of her children, separated all of their children into different tribes when they would not stop bickering. The mother

was so sad that she sat and wept, creating Pyramid Lake. She sat so long that she turned to stone, and she still sits by the lake today.

Trash Tracker on Lake Powell

Lake Powell, the second largest reservoir in the United States with 1,960 miles of shoreline, has a problem with trash thanks to all the summertime boaters and people who vacation on boathouses. To control this trash problem, a cooperative effort between the National Park Service (NPS) and Lake Powell Resorts and Marinas (ARAMARK) started up several years ago to have volunteers spend 5 to 7 days on the Trash Tracker boat and pick up as much trash as possible.



Participants in the program are members of the NPS Volunteer-In-Parks (VIP) Program and spend 5 or 7 days aboard a houseboat that has been donated by ARAMARK. Volunteers for the Trash Tracker program clean up trash along the shoreline. The Trash Tracker's destination changes on each trip. Applications for this each summer season are accepted every February and the volunteer slots quickly fill up. Volunteer requirements include being 18 years or older, in good physical condition, be willing to work 8 hours a day in 110 F heat, and you must bring your own food and provide one dinner for the entire crew while on the trip. Participants get a t-shirt, a free trip on the lake for a week, and the satisfaction of helping clean up an important reservoir.

Anyone from NALMS interested for 2011. Entire groups and friends can sign up to be on the same clean up trip. To find out more about this trash detail, go to <http://www.nps.gov/glca/supportyourpark/trashtracker.htm>.

Websites of the Month - en.wikipedia.org/wiki/List_of_lakes_in_Oklahoma

Here is a great way to get familiar with Oklahoma's lakes and reservoirs throughout the state before you head to the symposium next month. Wikipedia might not be the most reliable source to quote in doctorate thesis but it is a great source of information on lakes and reservoirs around the country and world.

Update Contact information:

Please let the NALMS Office (slunz@nalms.org) know if you have or are planning to change your contact information, so we can make sure you do not miss any of the NALMS monthly news letters, updates, or general NALMS announcements. NALMS appreciates this.

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 even month to be considered for inclusion in that month's e-newsletter. The newsletter goes out electronically during February, April, June, August, October, and December.