



NEWICHAWANNOCK NEWS

GREAT EAST LAKE IMPROVEMENT ASSOCIATION - 80th Year, Winter 2012

President's Column

By Jennifer Craig

Mid-winter greetings from Great East Lake! I don't know about you, but I am starting to feel like erratic weather is the "new normal". I was at the lake recently where I saw crashing waves one day, a skim of ice the next and 2-inch thick ice the day after that. Who knows what condition the ice is in after this week's 50-degree days! This kind of variability has led to a higher-than-usual number of ice-related accidents in New England this winter. I draw your attention to the article in this newsletter about ice safety and wish you all safe and sensible recreation!

While the lake "sleeps", your GELIA board is busy preparing for the coming season. Thanks to many generous members and to renewed grants from our towns, we will again be providing Lake Host coverage for the boat ramps this summer. The goal this summer is to provide seven-day coverage during the high season and to start the shifts early enough to include inspection of early-morning fishing boats. This program continues to prove essential as the number of confirmed "saves" increases. As we know from our less-fortunate neighbors on some other lakes, the cost of prevention of invasive species is far less expensive than the cost of eradication.

Water quality continues to be the primary focus of GELIA's attention and we are pleased to partner with the Acton Wakefield Watersheds Alliance (AWWA) to address issues of storm water run-off. Their Youth Conservation Corps has installed 77 erosion control measures on 22 properties on Great East and will be available again next summer in case there is a project on your land you'd like help with. AWWA also got a grant from the Maine DEP to work with GELIA and the Langley Shores Association on a chronic road drainage issue. See Linda Schier's update in this newsletter for more about the work of this dedicated organization.

It has become our practice to include our financial statements in our winter newsletter and I invite you to take a look. As you can see, we are in solid shape financially and we have a good start on the Invasive Species Defense Fund, a fund we hope we never have to use. Should the happy day arrive when we are no longer

worried about possible infestations, we would naturally re-purpose these funds. However, for now, the threat is real and we need to be prepared.

Finally, we are doing something new in this letter by thanking our many members and contributors by name. We are grateful for every one of you and appreciate your gifts and your participation. Special thanks are due as well to those members who have given above and beyond the basic dues, including our Stewards, Patrons, Sponsors, and Supporters. We invite you to review the list and if you notice that your neighbors are not listed, please encourage them to join GELIA and help keep our lake beautiful for ALL of us. We also encourage you to think about your own participation and to increase your membership level if you are able. Working together, we will ensure that Great East Lake remains clean, beautiful, and beloved for decades to come.

In Memoriam: Don Mills

By Jennifer Craig

Former GELIA President, Don Mills, passed away on January 20, 2012. Don served as President from 2001-2003 and was always known for his enthusiasm and optimism as well as his love of the lake. Board members remember well how Don would proudly fly the GELIA flag at his waterfront. He was also instrumental in establishing and subsequently reviving the sunfish and hobie cat sailing regattas that used to take place on summer afternoons. Don was a steady, conciliatory presence on the board and greatly helped in the transition to a more modern and effective board structure and function. He also worked for land conservation and helped publicize the need to control noise and light pollution to preserve the natural, peaceful lake experience. Don will be greatly missed! The GELIA Board extends our condolences to Don's wife, Catherine, and their family.

Great East Lake Improvement Association

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Jennifer Craig, President
Dave Mankus, Vice President
Chris McKay, Treasurer
Gene Rosenthal, Secretary
Bess Smith, Past President

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Janet Gould
Chuck Hodsdon
Marcia Hodsdon
Bill Hohenberger
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Dee Kasprzak
Carol Lafond
Ron McKay
Arnie Murray
Walter Neff
Linda Schier
Dorothy Smith
Pat Theisen
Stephanie Theisen

Mission

To preserve, enhance and protect the advantages of Great East Lake and its environs.

Exciting Year Ahead for AWWA

By Linda Schier

While the lakes are chilling under a blanket of ice, the Acton Wakefield Watersheds Alliance (AWWA) is eagerly preparing for another year of "Clean Lakes" projects and is looking forward to working with the members of GELIA.

What are we up to and how can you help?

- We'll be working with the Langley Shores Association to correct chronic drainage issues that are causing pollution to reach the lake. We'll keep you posted on the progress so you can come take a look at effective road maintenance practices.
- The AWWA Youth Conservation Corps and Technical Assistance programs will continue to offer solutions to those of you with erosion problems and questions about what you can do to help keep the lake clean. The 2009 watershed survey identified 169 GEL watershed properties that might have erosion problems. AWWA has helped 25 of those properties with their erosion issues but we'd like to do more. If you have any questions about how your property might become more lake friendly be sure to contact AWWA Program Manager Dustin Johnson at (603) 473-2500 or email djohnson@AWwatersheds.org.
- Our Discovery Cruises will introduce you, your children, grandchildren, or friends to the wonders of lake ecology on a fun and fascinating 2-hour expedition around the lake to test water quality, meet some aquatic residents, and learn about the lake plant life.
- "AWWA in the Schools" will be in all the middle school grades at the Paul School in Wakefield and the Acton Elementary School teaching about watershed science, the importance of biodiversity, drinking water protection and what each individual can do to make a difference. We will be reaching out for volunteers to help with our school programs so let us know if you'd like to join the AWWA Outreach Team.

AWWA staff and volunteers work closely with partners at the local, state, regional and federal levels to ensure that all available resources are actively protecting our lake but it is ultimately each individual's decisions that will determine the fate of our precious lake now and for generations to come.

Remember – Lake Protection Begins on Land!

Find AWWA at www.AWwatersheds.org

Towns Work to Preserve Heritage, Nature

By Dave Mankus

The Wakefield Heritage Commission has completed a study of water-powered mill sites in the area and is currently working on the "Historic Resources" chapter of the town's Master Plan. Included in their study are the canal and stone box culvert at the outlet of Great East Lake. Meanwhile, the Conservation Commission is working on the "Natural Resources" chapter of the plan and is trying to purchase a 100+ acre parcel with a mile of frontage on the Branch River to use for recreation and conservation. In nearby Union, NH, they have completed a Railroad Museum and a community organization in that town has received title to the lower dam and mill building which they plan to restore as a wood-turning museum. Union is also continuing their work on the upstairs of their Community Center and is planning to restore the Union Grange Building. It is encouraging to see what can happen when citizens come together and work hard to preserve the region's history and beauty.

Great East Lake Improvement Association

Treasurer's Report

12/31/2011

Net Assets

	<u>2011</u>	<u>2010</u>
Unrestricted cash	17,770	19,045
Invasive species fund - cash	<u>41,751</u>	<u>37,826</u>
Total Cash	<u>59,520</u>	<u>56,872</u>

Change in Net Assets

Increases

Dues - members	20,945	17,520
Dues - invasive species fund	3,695	3,300
Calendars	920	1,205
Interest	229	359
Other	<u>7,767</u>	<u>5,209</u>
Total increases	33,556	27,593

Decreases

Annual meeting	1,258	592
Calendar expense	1,179	2,072
Contributions	4,300	4,300
Lake host program	17,329	11,817
Legal and professional fees	679	1,788
Mailing	1,177	696
Newsletters	1,822	2,171
Water quality monitoring	810	789
Other	<u>2,354</u>	<u>3,603</u>
Total decreases	<u>30,908</u>	<u>27,828</u>

Increase in net assets	<u>2,648</u>	<u>(236)</u>
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A Good Year for Loons

By Carol Lafond

As of last November, all four juvenile loons that hatched in 2011 were observed swimming together on the lake. Despite the fact that two chicks hatched unusually late, they seem to have caught up with the older chicks in time for the winter migration. This is the first time since 2002 that four loon chicks hatched and survived (the only other year this was observed was in 1988.) Statewide, the chick hatch rate was up considerably. This was welcome news since there had been several years when the rate was not even high enough to replace the existing population. We are grateful to all boaters on the lake who exercised care and kept their distance, allowing the chicks to grow up without incident. Let's help make 2012 another good year for loons!

Fifth Annual GELIA Photo Contest!

By Gary Field

Share your personal memories of time spent at the lake and bring the whole association closer together. I bet you've got shoe boxes full of great pictures the rest of us would like to see. Send them in, won't you please!

If you don't have pictures you want to share, then you're still not off the hook; we also need volunteer judges to pick the best ones. You don't need to be a photography expert. As long as you have a computer with a CD/DVD drive that you can display pictures on, you're all set! The people who won last year's top prizes (Nancy Maloney, Carl Wosmek, and Mary Field) are not eligible to enter this year so we'd like to encourage them to be judges instead. This year, we are adding a new incentive to being a judge. **The judges will receive a copy of the calendar they help to create!**

We will take the best 13 photos submitted (one for each month plus the cover) and create a 2013 calendar which will be available for sale at the annual meeting. This also has the benefit of being a fund raiser for GELIA and creating a historical photo archive of our beloved lake and its inhabitants. The best of the runners up will be posted on GreatEastLake.org.

The special category is again "Historical". We got so few in that category last year that I'd like to encourage more this year. Pictures that fall into this category will be eligible for a separate prize!

You have until the end of March to work on digging out and selecting your favorite pictures so you can send them in.

There are of course rules:

<http://www.greastlake.org/calendars/>

Download and print an entry form:

http://www.greastlake.org/images/stories/photo_contest/GELIA_PhotoContestEntryForm.doc

Or, if you have no internet access you can write to:

Gary Field, PO Box 762, Tewksbury, MA 01876

And I'll send you the rules and an entry form on paper.

To volunteer your services as a judge send an email to: PhotoContest@GreatEastLake.org

Family members living in the same household as a judge are not allowed to enter the photo contest.

Good Luck!

Thank You, Members!

The Great East Lake Improvement Association gratefully acknowledges your membership support and donations to the Invasive Species Defense Fund.

STEWARD (\$500+)

Anonymous (1)
Jeffrey P Beale
Jennifer Craig
Robert Klotz
Leslie & Tachi Yamada

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Peter Clairmont
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David & Ginny Hallett
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Sue Cain
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Herbert & Daralyn Clark
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Michael & Tammy Murray
Walter & Susan Neff
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Mason & Elizabeth Peck
Alex & Marie Petrosino
Edward & Barbara Pinho
Ann Prest
Arlene Reyenger
Daniel & Ella Richardson
Sheila & Doug Ross
Sonja Carter Sakavich
Janet & Bob Sears
Cory & Dave Sells
William & Regina Sherman
Scott & Dianalyn Sirota
Nancy Spencer Smith
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 Beverly & Voight Archer
 Mary Arsenault
 Assets Realty
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 Stephen & Mimi Daitz
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 Cherie Hoyt and family
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 Carolyn & Thomas Julian
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How Do You Know if the Ice is Safe?

"Thick and blue, tried and true. Thin and crispy, way too risky."

Below are helpful guidelines from the Maine Department of Inland Fisheries and Wildlife:

The ice traveler should look for bluish ice that is at least 4 to 6 inches thick, in order to support people and their gear. Even if the weather has been below freezing for several days, don't guess about ice thickness. Check ice in several places. Use an auger, spud, or axe to make a test hole, beginning at shore and continuing as you go out.

If ice at the shoreline is cracked or squishy, stay off. Don't go on the ice during thaws. Watch out for thin, clear or honeycomb-shaped ice. Dark snow and dark ice are other signs of weak spots. Choose small bodies of water. Rivers and lakes are prone to wind and wave action, which can break up ice quickly. Avoid areas with currents, around bridges and pressure ridges.

In the wintertime, outdoor enthusiasts frequently need to know how thick the ice is and whether it is safe to walk across it. The American Pulpwood Association has published a handy reference chart that gives a good rule-of-thumb for ponds and lake ice thickness. The chart below is for clear, blue ice on lakes. Reduce the strength values by 15% for clear blue river ice. Slush ice is only one-half the strength of blue ice. This table does not apply for parked loads.

<u>Ice Thickness (in inches)</u>	<u>Permissible Load - Clear, Blue Lake Ice</u>
2	One person on foot
3	Group of people walking single file
7 1/2	Passenger car (2 ton gross)
8	Light truck (2 1/2 ton gross)
10	Medium truck (3 1/2 ton gross)
12	Heavy truck (7 - 8 ton gross)
15	Heavy truck (10 ton gross)

What if I break through the ice? DON'T PANIC!

- Don't try to climb out - you'll probably break the ice again.
- Lay both arms on the unbroken ice and kick hard. This will help lift your body onto the ice. Roll to safety.
- To help someone who has fallen in, lie down flat and reach with a branch, plank, or rope; or form a human chain. Don't stand. After securing the victim, wiggle backwards to the solid ice.
- The victim may need treatment for hypothermia, artificial respiration or CPR
- Dress properly when venturing out on ice. Wear a hat and cover your face and neck; dress in layers and wear wool, silk or certain synthetics that will keep you warm even if they're wet; wear insulated, waterproof boots, gloves and a windbreaker.

March is Membership Month!

Be on the lookout for your membership renewal letter to arrive sometime during the month of March. As always, we urge you to mail your membership form and dues at your earliest convenience.

Many thanks,
Pat Theisen, Membership Coordinator

Life Under the Ice

By Linda Schier

As you skate, ski, snowshoe or snowmobile across the frozen lake, do you ever wonder what's going on under the ice? Probably a lot more than you think! While things slow down in that deep, cold darkness, the cycles of aquatic life are still spinning along.

Many species of algae (phytoplankton) and aquatic plants overwinter in the sediments in some form of resting stage that will re-energize when conditions are right. Other species are adapted to low light and low temperatures and continue to grow. If the ice is clear it's even possible for the algae to bloom or for plant growth to occur through photosynthesis. Reports of seeing vigorous milfoil under the ice are common. (Let's hope not on our lake!)

Photosynthesis produces oxygen which is essential to the animal species in the lake. Since the ice layer seals off exchange with the atmosphere, the only oxygen being produced comes from algae and aquatic plants that stay vital under the ice. The available oxygen is used up by the zooplankton, insects, fish, mussels, and snails as well as the bacteria that are very busy decomposing all the previous summer's growth. In winters with very thick ice and heavy snow cover there can be so little oxygen production that fish will die off as the oxygen is depleted.

There is a reason why people ice fish! The fish are not hibernating but continuing on with their busy lives, finding food and avoiding predators. Great East Lake has a mix of cold and warm water species. The cold water trout species are especially active in winter. Warm water species such as bass, perch and pickerel slow way down and some species, like certain catfish, slow their metabolism to the point where they may be near hibernation. Snails and mussels move into the deeper waters where they nestle into the muddy sediments. Stoneflies, mayflies, caddisflies and dragonflies join them in the "warm" mud waiting to emerge and metamorphose in the spring and summer.

Next time you're at the lake in winter, take a moment to imagine what's going on beneath the ice and wonder about the miracles of life in our clean, healthy lake. Each of us can take action to help these natural processes continue by being responsible caretakers of our lakefront properties and remembering that everything in the lake ecosystem is interconnected and interdependent.

ADDRESS SERVICE REQUESTED

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Stratham NH 03885

NEWICHAMANNOCK NEWS

