

# SHORELINES

We hope that 2014 is off to a great start for you! Chances are, wherever you are in the U.S., you have experienced some crazy weather the past couple of weeks.

Most of our lakes experienced an early ice-in this year. During the past month, we have had frigid temperatures and a handful of major snowstorms, along with rain and mild weather - and even some thunder!

If you are planning to head out onto the ice, be sure to review the ice safety tips provided by our partners at the NH Fish & Game Department (click [HERE](#)).

And, whether or not you are in New Hampshire or plan to venture out onto a frozen lake, we hope you'll take a few minutes to read this issue of *Shorelines* - you will learn about some extraordinary winter lake phenomena and more.

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## Extraordinary Winter Lake Phenomena!

**Lakes are extraordinary, and, in New Hampshire, we are fortunate to have the opportunity to enjoy them in many ways throughout the year.** During summer, we can wade, swim, and boat in them to cool off. During winter when the temperatures drop and they safely freeze over, we can bundle up and venture across our lakes by

**Have you joined us yet?**

**JOIN NOW**

The New Hampshire Lakes Association (NH LAKES) is the only nonprofit organization dedicated to protecting New Hampshire's approximately 1,000 lakes and ponds.

NH LAKES relies on memberships and donations to do its work to achieve its mission.

Membership starts at just \$50 a year - and \$35 if you are a member of your local lake or watershed association!

Please consider becoming a member today - it's easy to join, just [CLICK HERE](#).

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snowshoes, ice-skates, cross-country skis, and more.

Some might think that winter is a time when the lake is quiet and in a state of rest - this isn't necessarily the case! While out enjoying our lakes during winter you might observe some extraordinary - and rare - natural phenomena!

### **Singing lakes?**

Frozen lakes have the ability to create their own, unique music and the sound can be unbelievable - often described as electronic music or sound effects that would accompany lasers. As temperatures fluctuate during winter, the ice expands and contracts - the freezing and thawing causes the ice to move sending sound waves throughout the ice. The sounds, which can be haunting to those on the ice, may seem nearly impossible to be a natural phenomena and are heard best when the ice is free from snow cover and when major temperature fluctuations occur. **To hear some amazing examples of winter lake music, click [HERE](#).**

### **Ice boulders?**

## **2013 - 2014 Legislative & Public Policy Survey Results are In!**



The "2013 - 2014 Legislative & Public Policy Survey" brought in a tremendous amount of feedback! The survey, which was made available online, yielded 169 responses - approximately 100 more than we received in 2012. We thank all respondents for their willingness to use the online tools that we employed - conducting the survey in this way made our jobs a great deal easier.

**To find out the survey results, [CLICK HERE](#).**

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**Know an  
outstanding  
volunteer  
coordinator?**





Take a walk along the lake during winter and you might notice large, perfectly rounded balls of ice lining the shore. No, your neighbor isn't preparing for a huge snowball fight (in fact, we don't recommend throwing the frozen balls - they may be very heavy); the lake made these! When chunks of ice break off from ice sheets, they may continue to grow. The growing chunks may then tumble through the waves, their edges being rounded and smoothed until a perfect ball is formed and washed ashore. While this phenomenon at Lake Michigan made the national headlines during late-winter 2013, ice boulders can sometimes be found along the shoreline of New Hampshire's larger frozen lakes.

### **Erupting ice needles?**

As spring approaches and temperatures steadily rise, you might be one of the lucky few to observe a natural phenomenon known as "ice chandeliers" - described by

If you know an outstanding volunteer manager - maybe your local lake monitoring program or Lake Host Program coordinator - nominate him/her for the Governor's Award For Outstanding Volunteer Manager! To nominate someone, [CLICK HERE!](#)

### **Upcoming Events**



[2014 Ice Fishing Tournaments.](#)

[Winter 2014: Free Ice Fishing Classes Offered.](#)

[Annual Ice Harvest Day, Jan. 26 at Kezar Lake in Sutton, hosted by Muster Field Farm Museum.](#)

[GOT BUGS? We do...Come join the UMMP at Bug Nights 2014 and put some backbone into your Wednesday nights identifying creatures without backbones. \(Jan. 22 - Apr. 23\).](#)

some observers as "an eruption of ice needles at the water's edge." When temperatures warm, the ice cover on our lakes becomes increasingly weak and brittle as it thaws during the day and refreezes during the night. After several of these cycles, the ice sheet resembles what looks like a honeycomb containing thin, needle-like ice crystals. The winds then blow the ice toward shore. Along the shoreline, the ice crystals may be pushed out of the ice sheet, piling on top of each other and creating a beautiful, but quite loud, spectacle. **To see a fascinating video of ice chandeliering, click [HERE](#).**

**If you explore your lake this winter and happen upon any of these phenomena or other unexplained happenings, please share with us your experience!** Of course, before you go out on the ice, we encourage you to prepare for a safe trip - for ice safety tips, [CLICK HERE](#).

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### In the News



Ice harvesting at Rockywold-Deephaven Camps on Squam Lake.  
(Photo credit: Eric Morse)

**[Ice Harvest at NH Camps Earlier than Usual](#)**

**[Invasive species, climate changes can wreak havoc on Great Lakes loon population.](#)**

**[Too Close to the Edge: Vermont Lawmakers to Focus on Shoreline Protection](#)**

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## Trainings for Nonprofit Organizations & Leaders



Jan. 21, 22 & 23: NH Grants Institute: An intensive strategic and technical skill building experience (Concord). [CLICK HERE](#).

Jan. 29: Starting and Building a Nonprofit - Seminar for Board, Staff, and Volunteer Leaders of Emerging Nonprofits (Concord). [CLICK HERE](#).

Feb. 19: Board Governance Essentials - The Certificate Program (Concord). [CLICK HERE](#).

Feb. 20: Understanding your Nonprofit Financials (Concord). [CLICK HERE](#).

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**MAKE A DONATION TO**



**Dedicated to protecting New Hampshire's lakes and their watersheds through education and advocacy.**

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## Toxic Algae Coming to a Lake Near You?



(Photo © Life is Good)

**Does your New Year's resolution involve a lake?** One young NH LAKES member's resolution this year is: "Pass Grandma's swim test so I don't have to wear a life jacket or hold my parent's hand on the dock anymore!"

We look forward to working with you this year to preserve and protect our lakes. Please feel free to contact us with your lake management and protection needs and concerns.

**Happy New Year!**

The NH LAKES Staff

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