



The Sampler

October 23, 2014

The Sampler is a monthly e-newsletter produced by the Volunteer Lake Assessment Program.

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Web Highlights

This month's featured lake website is [Otter Pond, Georges Mills, NH](#)

[Scrambling Birds' Brains: Could this Toxic Algae Offer Clues to Human Diseases?](#)

[EPA Video: Do You Choose Clean Water?](#)

[Rivers Recover Natural Conditions Quickly Following Dam Removal](#)

Upcoming Events

[NHACC 44th Annual Meeting and Conference](#)
Nov. 1, 2014
Laconia Middle School
Laconia, NH 03246

[PSU Fall 2014 Environmental Science Colloquium](#)
Wednesday 4:00 - 5:00 p.m.
Boyd Science Center

Grants

[NHDES Water Supply Land Protection Grants](#)
Deadline: November 1, 2014

How to Winterize Your Boat Engine

Taken from [DES Fact Sheet BB-58 Boat Washing and Engine Winterization for Boat Owners](#) and [DES Fact Sheet BB-57 Guidelines for Marinas: Proper Engine Winterization Procedures](#)

Contrary to popular belief, antifreeze of any kind does not need to be added to an engine during winterization. If all water is properly drained, there is little chance that the engine will crack as a result of metal expansion from freezing water. However, if you choose to utilize antifreeze for engine winterization, keep this in mind. It is illegal to discharge any waste to surface water or groundwaters of the state pursuant to [RSA 485 A:13](#).

There are two main types of antifreeze: the traditional ethylene glycol and the preferred less toxic propylene glycol. Although less toxic, propylene glycol can still impact water quality and harm aquatic life and cannot be discharged to surface water or the ground. If you must winterize with one of the above mentioned products, follow these dry storage techniques:

- Use propylene glycol instead of ethylene glycol.
- Rinse or flush engines with antifreezing agent.
- Thoroughly drain and collect antifreezing agent, making sure that none is discharged to the ground.
- Properly store reusable antifreezing agents according to [state regulations](#).
- Reuse winterization products next year.

When winterizing, also make sure the bilge area is clean, since the antifreeze may have to be removed and captured via the bilge. If antifreeze is mixed with hazardous materials such as gasoline, it must be disposed of as hazardous waste. Bilge socks are highly recommended, and can be added during winterization procedures. Ask a marina which brand of bilge sock they recommend. If using a marina's service for winterizing your boat, ask that they:

- Manually drain all water from the engine.
- Do not add antifreeze, unless necessary.
- Use the engine flush technique above.
- Empty all engine fluids during winterization procedures.

Follow the above best management practices to ensure that antifreeze or other engine fluids are drained and contained. And before you launch your boat in the spring, REMEMBER: ALL ENGINE WINTERIZATION FLUIDS MUST BE REMOVED BEFORE

[NHDES Local Source Water Protection Grants](#)

Deadline: November 3, 2014

[Environmental Solutions for Communities](#)

National Fish and Wildlife Federation

Deadline: December 10, 2014

[BoatU.S. Grassroots Grants](#)

Deadline: January 15, 2014

Limno Lingo

Bilge: The lowest compartment of a boat hull that typically resides below the waterline. Water that collects in the bilge may contain fuel, oil or other contaminants from the boat motor, as well as exotic aquatic species, and therefore needs to be pumped out of the boat and not discharged to surface waters.

SPRING LAUNCH TO PREVENT DIRECT DISCHARGE TO STATE SURFACE WATERS!

For additional information on marina and boat engine best management practices, contact the [New Hampshire Pollution Prevention Program](#).

NOAA Issues Winter Outlook

The National Oceanic and Atmospheric Administration (NOAA) issued their [winter outlook](#) for the United States. NOAA is predicting above average temperatures and precipitation for the Northeast. This comes after NOAA's announcement that September, 2014 was the [warmest on record](#), as well as the months of May, June, and August of 2014.

Prepare for Winter Ice Removal

Winter is right around the corner and now is the perfect time to register for a [Green SnowPro Training](#) session to learn environmentally friendly methods for deicing roadways, driveways and parking lots this winter. Why not cut costs while improving the environmental impacts of deicing? The program offers training on environmentally friendly and efficient ice removal practices. To learn more and register visit the [UNH Technology Transfer Center's Road Salt Reduction](#) page.

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