

**KINDERHOOK
LAKE
CORPORATION**



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The KLC News



kinderhooklakecorp.org

Winter 2017

Help Us Fight Nuisance Aquatic Invasive Species

Weeds! Do you find yourself trapped by weeds? Weeds wrapped around your propellers? Weeds clogging your jet ski motor? Floating weeds trapped around your dock or shoreline? Unable to get away from your shoreline without passing through weeds? Tangled in weeds while swimming, paddling, or sailing? Fishing lines tangled in weeds? Embarrassed to show off your lake to friends? Worried about your property values? Weeds!

Aquatic weeds are essential to a healthy lake ecology and are important to the spawning and growth of our fish population. Weeds have always grown in Kinderhook Lake. However, due to the recent infestation of aquatic invasive species, along with a warm winter and spring in 2016, the quantity of nuisance invasive weeds has exploded.

During the summer of 2016, over 70 acres of dense invasive aquatic weed beds were mapped in Kinderhook Lake. This equates to about 20% of the lake area. Boating and recreational activities in 2016 were virtually impossible in these dense weed beds all around the lake.

So, what can we do? After a year of considerable research, the KLC Weed Committee made a recommendation to the board of directors to harvest weeds using an ECO-Harvester. Different from the common weed harvester, which simply cuts the top of the weeds off like a lawn mower, the ECO-Harvester pulls out the entire weed along with its roots. Research has shown this to be the best approach to a long-term, effective,



environmentally friendly, and sustainable weed management program. Implementing a weed management program with a new ECO-Harvester in the spring of 2017 may avoid a potentially catastrophic summer for boating and recreational activities. The board agreed with the committee's recommendation and approved the purchase of an ECO-Harvester.

Recent capital improvements at the dam and annual copper sulfate purchases to keep the lake free of blue-green algae have put a considerable strain on KLC's financial reserves, but we could not have done it without your membership gifts and donations.

We now need your help in fighting our weed problem. Our goal is to raise \$76,000 to cover the cost of an ECO-Harvester. This goal can be achieved through donations by everyone who loves and uses Kinderhook Lake and wants to see it thrive in the future.

To reach our goal, help save our lake from being overtaken by weeds, and begin our weed management program this coming spring, we request your support and donations in one of the following categories.

Patron: \$200-\$399	Golden Patron: \$400-\$649
Eagle: \$650-\$999	Golden Eagle: \$1,000-\$1,499
Diamond: \$1,500 - \$2,499	Platinum Leader: Over \$2,500

(Continued on the next page)

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Self employed? Have a home-based business?
Become a KLC sponsor and have your business card displayed on our website and all newsletters.

Help Fight Invasive Species *(Continued from previous page)*

Think about it this way, the ECO-Harvester is expected to operate for at least 10 years. If you donate \$1,000, your one-time Golden Eagle donation would be equivalent to \$100/year. Certainly, you would agree that it's worth \$100/year to save our lake from the destruction that will be caused by the continued expansion of nuisance invasive weeds. And if you are lucky enough to own property on the lake, you would also agree that it's worth \$100/year to assure your property values continue to rise.

Donations can easily be made by check (sent to the KLC at PO Box 53, Niverville, NY 12130) or by paying online from our website at kinderhooklakecorp.org (using your credit card or PayPal)

Thank you for helping to preserve Kinderhook Lake.



Let's get rid of these nuisance weeds!



Annual Notice of Treatment of Kinderhook Lake with Copper Sulfate

KLC has applied to NYSDEC for a permit to treat Kinderhook Lake with copper sulfate in 2017 (EPA Registration No. 46923-4). It is an herbicide which is used broadly to control algae. The levels used will be within the limits permitted by NYSDEC to kill blue-green algae without affecting other forms of algae.

In early spring, when water temperatures are low, white algae, called diatoms, multiply rapidly. Those algae, as well as several other forms of brown and green, are produced as the water warms; they are excellent food for crustaceans, mollusks, and fish fry. However, when water temperatures reach 68 degrees F, blue-green algae begins to multiply rapidly. Since blue-greens are not consumed by other organisms, they grow at the expense of the edible forms. If left untreated, levels will rise, water clarity will decrease, and an unsightly, odor-producing scum of blue-green algae will form on the surface. Blue-green algae are not toxic to humans but may be to some dogs and other domestic animals. Swimming, eating fish, and watering domestic animals will be restricted for 24 hours following treatment.

Persons wishing to register their disapproval with regard to the proposed treatment may do so by writing or calling Mr. Mark Solan, NYSDEC Region #4, 1150 N. Wescott Road, Schenectady, NY 12306, (518) 357-2045; persons wishing to do so have twenty-one days from the date of this mailing. No response from riparian owners will be considered consent for the applications.

Don't forget ...

KLC Logo Merchandise

Contact Ken Bosen at 518-456-1542. Photos of available merchandise can be found on our website.

- ♦ **Sweatshirts**
- ♦ **Polo shirts**
- ♦ **Henleys**
- ♦ **T-shirts**
- ♦ **Caps**
- ♦ **KL History Books**
- ♦ **Mugs**
- ♦ **Flares**
- ♦ **Coozies**
- ♦ **Key Floats**
- ♦ **"One Tree Island" logo wine glasses**

All money raised through the sale of merchandise is used for the benefit of Kinderhook Lake.

Another Year of Progress

The KLC is proud of its many accomplishments in 2016.

- ◆ In the spring, Bill Cleary and several volunteers constructed and installed a new dock at the Rt. 28 launch site, and relocated the existing dock for improved access for non-motorized watercraft.
- ◆ Also in the spring, a dozen volunteers spent a Saturday morning pulling water chestnuts from the north end of the lake, making a huge impact in reducing the spread of this invasive weed.
- ◆ DEC permits were applied for and received for the use of copper sulfate in 2016, for the use of benthic barriers in 2016, and to continue the annual winter drawdown in 2016-2018.
- ◆ Benthic barriers were successfully used to smother several small areas of aquatic invasive weeds throughout the summer.
- ◆ Over the summer, aquatic invasive species were mapped by Dan Langer and other member volunteers using iMapInvasives software; the information was then uploaded to the NYS DEC database. This mapping will form a baseline as we move forward with future weed management plans.
- ◆ After completing extensive research into numerous alternatives to address our nuisance invasive weed problems, the KLC Weed Committee (Ken Bosen, Bill Cleary, Dan Langer, Steve Sigler) recommended the use of an ECO-Harvester to the board of directors.
- ◆ The KLC placed an order for a new ECO-Harvester, scheduled for delivery in the spring.
- ◆ A permit application was submitted to DEC and the Army Corp of Engineers for the use of a weed harvester to begin harvesting nuisance invasive species in 2017.
- ◆ The 4th of July Kayak Rally and Boat Parade were attended by more boaters than in previous years.
- ◆ Merchandise sales, overseen by Ken and Patty Bosen, brought in over \$3000 in 2016, a new annual sales record.
- ◆ Certified herbicide applicator Drew Nelson applied copper sulfate around the lake every other week over the summer to control the growth of blue-green algae.
- ◆ The Fish Committee (Bill Cleary, Mike Franceour, Steve Sigler) successfully installed fish habitat structures around the lake to help improve spawning and provide a healthy habitat for fish to thrive and grow.
- ◆ Fran Sindlinger and Mike Francoeur made excellent use of our new membership software, helping to keep better track of membership dues, business sponsors, and donations.
- ◆ In December, a crew of volunteers led by Bernie Kelleher replaced the bridge over the dam using materials donated by several area contractors.

2017 looks to be another year of challenges and hopefully successes as the KLC Board and member volunteers make an effort to meet the goal of being good stewards of Kinderhook Lake.



Dates to Remember

Early spring

In accordance with our latest DEC drawdown permit, the KLC will start refilling the lake to summer level as soon as winter ice is off the lake.

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Did You Know?

Among the world's greatest salt lakes are the Caspian Sea, Dead Sea, and Great Salt Lake. Covering an area of about 144,000 square miles, the Caspian Sea is the largest lake in the world. At 1,292 feet below sea level, the Dead Sea is the lowest lake in the world.

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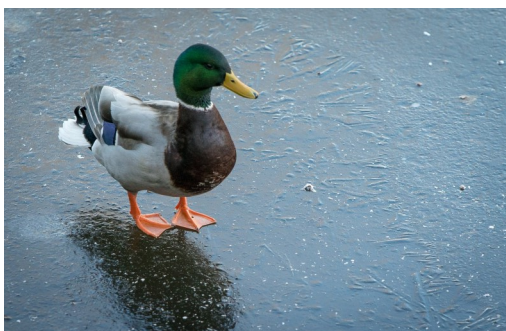
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KLC News Editor:
Daniel Langer

Ice Safety Reminder

Please remember that the KLC does not monitor or determine safe ice depth on the lake. If you venture out on the ice this winter, please use caution. It is your responsibility to determine if the ice is safe.



Here are a few resources to help you understand safe ice depth:

- <http://www.wikihow.com/Know-When-Ice-is-Safe>
- http://www.fishandboat.com/Boat/WaterandIceSafety/Documents/ice_thickness.pdf
- <http://lakeice.squarespace.com/bearing-strength/>
- http://www.nodakoutdoors.com/ice_fishing_safety.php
- <http://www.almanac.com/content/ice-thickness-safety-chart>
- <http://www.outdoorsmenforum.ca/showthread.php?t=69743>

Aquatic Invasive Species Lurk Under the Ice



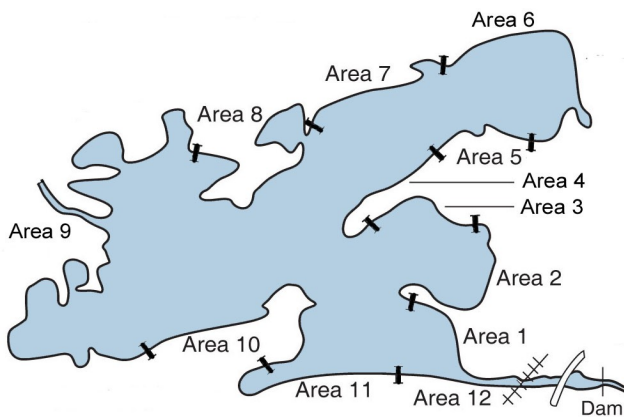
The threat of aquatic invasive species doesn't go away when the lake freezes. When on the ice, please follow these rules to prevent the spread of Eurasian milfoil and other invasive species.

- Inspect ice fishing equipment and remove all aquatic plants, mud, and animals before leaving the ice. Even a small fragment of milfoil left on equipment and transported elsewhere around the lake or another waterbody can start a new milfoil colony.
- Drain all water from containers holding fish prior to leaving the lake.
- Do not move live fish away from the lake.
- Asian carp can do great harm to the lake ecology. Learn the difference between juvenile Asian carp and common baitfish and make sure not to use Asian carp as bait fish.
- Purchase minnows from local suppliers; do not move leftover minnows between waterbodies

Remember that it is up to us to prevent the spread of invasive species all year long - winter, spring, summer, and fall.

Area Directors

KLC Directors are responsible for certain programs and for representing residents in shoreline areas indicated on the map. If you have concerns, please contact your Area Director.



Area 1	Fran Sindlinger	518-784-2299
Area 2	Steve Sigler	518-758-2526
Area 3	Dan Langer	518-221-8689
Area 4	Pete Walkes	914-245-5240
Area 5	Ken Bosen	518-456-1542
Area 6	Rick Thieriault	518-573-5088
Area 7	Ron Jensis	518-784-4355
Area 8	Drew Nelson	347-721-6930
Area 9	Vacancy	
Area 10	Bernie Kelleher	518-784-4717
Area 11	Bill Cleary	518-784-3914
Area 12	Mike Francoeur	518-784-2651