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The KLC News



Needed Upgrades to the Dam

One of the primary missions of the KLC is to maintain and upgrade the Nivers dam. Over the past decade, the KLC has completed well over \$200,000 of major upgrades to the dam. Projects have included new coffer steel and concrete support to the upstream side of the dam, relining of the sluice pipe, repairing the sluice gate, replacing the old pedestrian bridge, and refacing several areas of the downstream side of the dam. None of these upgrades would have been possible without the generosity of our members.

Another project is now required to reface the deteriorating downstream main spillway and adjacent face of the dam. While a certain level of repairs will always be required to maintain an operational dam, we hope this project will be the last in this series of major upgrades, and will insure that the dam remains in good condition and fully operational for many years into the future.



As can be seen in this photo, the face of the main spillway is spalling and deteriorating. An area just west of the main spillway looks the same. This project will require chipping away approximately 6" of deteriorating concrete face, installing pins grouted into the remaining sound concrete dam, installing a grid of epoxy coated steel reinforcing bars, and forming and pouring a new concrete face to the main spillway and adjacent area. Approximately 620 square feet of

concrete surface needs to be replaced. An added expense of this project will be the need for a crane to reach the face of the spillway in order to remove the demolished concrete facing.

Design of the repairs has been completed by Ed Horn, the same Professional Engineer who has designed the previous dam upgrades. Engineering and construction is expected to cost approximately \$68,000 based on the low bid received by one of the experienced contractors who has successfully completed other major upgrades to the dam. Thanks to the Board's yearly transfers from the General Fund, as well as member donations, we have a Dam Reserve Fund balance of approximately \$52,000. However, to help close the gap between available funds and the cost of engineering and construction, **we ask that all members consider making an additional donation to the Dam Reserve Fund a high priority this year.** Thanks in advance for your support.

Remember the old adage - Without the dam there would be no lake!

2019 Summary of Harvesting Operations

As required by our yearly DEC harvesting permit, a summary of harvesting operations, harvesting locations, copies of daily data collections forms, and harvesting photos must be submitted to DEC by the end of each year. The following is an excerpt from the 2019 Summary of Harvesting Operations.

“... It is widely known that aquatic weed growth is inconsistent year to year, especially relating to variety, height, location, density, and size of weed beds. As noted in the 2016 Draft Aquatic Management Plan submitted with the permit application, invasive and nuisance native aquatic plants expanded significantly [to more than 75 acres] after 2012. During the summer of 2016, weeds reached the lake surface and were so dense that boating, fishing, and other recreational activities were virtually impossible in large areas of the lake, especially throughout some of the main boating channels. In 2017, the weeds grew at a much slower pace than in 2016 and in many areas did not reach the lake surface until late August or early September. However, in both 2018 and 2019, most of the aquatic weed beds grew to the surface by early June, making boating and other recreational activities difficult early in the season.



“There was not much expansion of the main dense milfoil weed beds in 2019 except around One Tree Island. The water chestnuts ... appeared to recede this year, and remained in the shallows at the north end of the lake. Many water chestnut stragglers, single plants and small beds of up to ~10 plants, were observed in several coves around the lake, along the northwest shoreline, and along the south end of the lake. Many of these were hand pulled by adjacent riparian property owners.

“While the Permit allows the KLC to harvest up to 33-1/4 acres of aquatic invasive and nuisance native plants, less than half that amount was harvested in 2019. Areas of weeds not harvested seemed to either die back, thin out, or recede from the surface by mid-July, so did not disrupt boating, fishing, and other recreational activities to the same degree as in June and early-July.

“Harvesting operations took place for approximately 39 hours on a total of 13 days between 6/17 and 7/31. The harvester was not used after 7/31. The capacity of the harvester collection bin is 3.5 cubic yards and approximately 33 full loads of weeds were harvested during the 13 days of harvesting. This equates to approximately 115.5 cubic yards of invasive species (mostly milfoil) harvested and transported to the approved disposal site in 2019. As mentioned above, the water chestnuts remained in the shallow waters at the north end of the lake this year, in an area too shallow to safely use the weed harvester.

“Water depths within harvesting grids were noted to primarily be between 5-feet and 8-feet with only one exception at 10 to 12-feet. The predominant weed harvested was Eurasian milfoil with occasional curly-leaf pondweed observed within the milfoil. No water star-grass was harvested at the south end of the lake this year and no water chestnuts were mechanically harvested at the north end of the lake. No regrowth or re-emergence of weeds was observed later in the season in harvested areas. At no time were fish or wildlife observed within the harvested materials and there was never any evidence of spawning while harvesting. Water clarity before and after harvesting remained consistent at between 2.5 and 5.5-feet when measured with the secchi disk. No sediment disturbance was observed during harvesting operations. ...”



Annual Notice of Copper Sulfate Treatment

The KLC has applied to NYSDEC for a permit to treat Kinderhook Lake with copper sulfate in 2020 (EPA Registration No. 46923-4). Copper sulfate 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. That 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, 1130 N. Wescott Road, Schenectady, NY 12306, (518) 357-2045; persons wishing to do so have twenty-one days from the date of this notice. No response from riparian owners will be considered consent for the applications.

Membership & Merchandise Days

The KLC will be holding Membership & Merchandise Days in the blue metal building at 9 Old West Shore Drive in Valatie on **March 28, April 11, and April 25**. Membership applications, member posters, gate keys, trailer stickers, and KLC logo merchandise will all be available. To facilitate the ease of paying for your membership and merchandise, the KLC will soon have the ability to take credit card payments in person. Of course, cash and checks are always welcome. Additional Membership and Merchandise Days may be added in the future.

Dates to Remember

~April 15

Start raising the lake to summer level.
Actual date is weather dependent.

March 28, April 11, April 25

Membership & Merchandise Days
11am-2pm, 9 Old West Shore Dr, Valatie

June 20 or 27

Water chestnut hand-pulling event:
9-11am; meet at One Tree Island.

July 4

Kayak Rally: 8:30-11:30am
Boat Parade: starts 1:30pm at One Tree Is.
Ring of Fire: 9:00pm

August 8

KLC Community Lake Day: 12:00-2:00pm

August 22

KLC Annual Members' Meeting:
10:00am at the KLIA Hall

What is CSLAP?

CSLAP is the Citizens Statewide Lake Assessment Program. It is a five year volunteer lake monitoring and education program managed by DEC and the NYS Federation of Lake Associations.

Board member Ron Jensis was trained several years ago to participate in CSLAP. Every other week for sixteen weeks throughout the summer, Ron collects data from deepest part the lake. He evaluates water clarity using a secchi disk, measures water temperature near the surface and bottom, records observations about water appearance, and collects water samples at 1½-meters below the surface and 1½-meters off the bottom. After processing the water samples at home, Ron sends them to a qualified laboratory for analysis. The lab tests for levels of phosphorus, nitrogen, ammonia, chlorophyll A, nitric oxide, chloride, calcium, algae, water color, pH levels, and conductivity.

DEC uses the test results to learn more about NYS lakes and adds the data to the statewide lake database. The KLC receives a yearly report with the test results, giving us a valuable tool to help with lake management.

If you see Ron out on the lake taking samples during the summer, feel free to stop by with any questions.

KINDERHOOK LAKE CORPORATION

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Niverville, NY 12130

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Don't forget...

KLC Logo Merchandise

Contact Pete Walkes
914-217-6770
See photos of
merchandise on our
website.

Many new 2019
designs for are
now available

- ◆ KL History Books
- ◆ Sweatshirts
- ◆ Polo shirts
- ◆ T-shirts
- ◆ Henleys
- ◆ Caps
- ◆ Mugs
- ◆ Cinch sacks
- ◆ Tea towels
- ◆ Flares
- ◆ Wine Glasses

Money raised through the
sale of merchandise is used
to benefit Kinderhook Lake
programs.

KLC News Editor:
Daniel Langer

NYSFOLA Conference

For many years the KLC has been sending board members to the 2-day spring NYSFOLA conference. NYSFOLA is a non-profit coalition of lake associations and individuals dedicated to the protection and restoration of NY State lakes. This May, Steve Everett and Melonie Langdon will be attending conference sessions to learn valuable information about the latest improvements to lake management techniques.



A huge thank you to all the volunteers who came out on a chilly June 22 morning to hand-pick water chestnuts. Together we are making a big difference.

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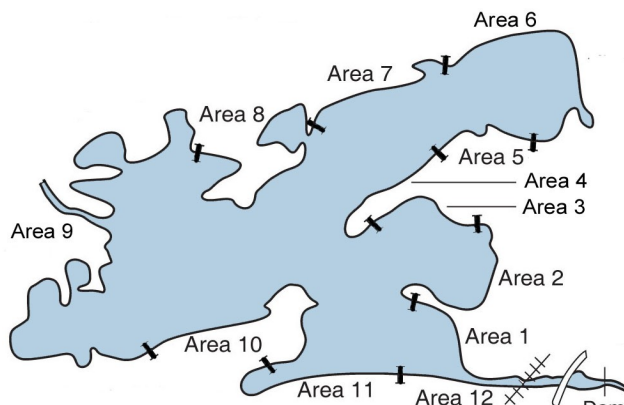
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Area Directors

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 Everett	518-610-8542
Area 3	Dan Langer	518-221-8689
Area 4	Pete Walkes	914-217-6770
Area 5	Melonie Langdon	518-435-5825
Area 6	Rick Theriault	518-573-5088
Area 7	Ron Jensis	518-784-4355
Area 8	Drew Nelson	347-721-6930
Area 9	Lauren Desharnais	518-567-9812
Area 10	Bernie Kelleher	518-784-4717
Area 11	Bill Cleary	518-784-3914
Area 12	Mike Francoeur	518-784-2651