# KINDERHOOK LAKE CORPORATION NEWS

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www.kinderhooklakecorp.org



MARCH 15, 2012

## WATER LEVEL

Our arrangement with NYDEC is to begin raising the level of water in the lake as soon as ice-out. Usually, that is about April 15th but we have not had permanent ice on the lake this winter, so the level may be raised earlier. Please complete shoreline work as soon as possible so it is not blocked by rising water.

## **Membership and Dues**

As indicated on page two, the dam upgrade has been completed and the bill has been paid, thanks to all of those who have supported KLC by their Membership and Dues. If you have not become a member for 2012, please do so - without your support, the lake would not be the excellent recreational facility it is today. Thank you!!

## In Memory

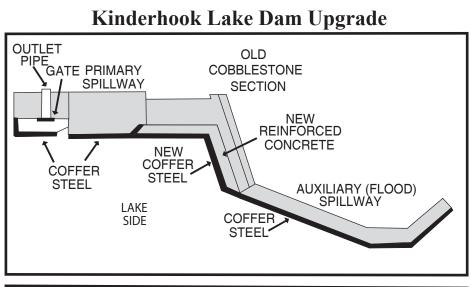
Our hearts go out to the Ernst family in the death of Dave. At one time Dave was President of KLC. He operated a cutter boat when weeds were so thick that residents could not get their boats into the lake. He literally risked his life to open the gate when it was blocked and was instumental in getting it repaired. He was the backbone of KLIA and contributed much to make it a viable organization. He will be missed.

## Algae Control

A notice regarding copper sulfate application is included on page 3. Drew Nelson has obtained DEC herbicide certification and will be responsible for treatments this year.



KLC is a non-profit organization formed in 1953 to purchase, maintain and improve Kinderhook Lake. To keep property owners and residents around the lake informed of what is happening on the Lake, Newsletters are sent to Members and Nonmembers alike.

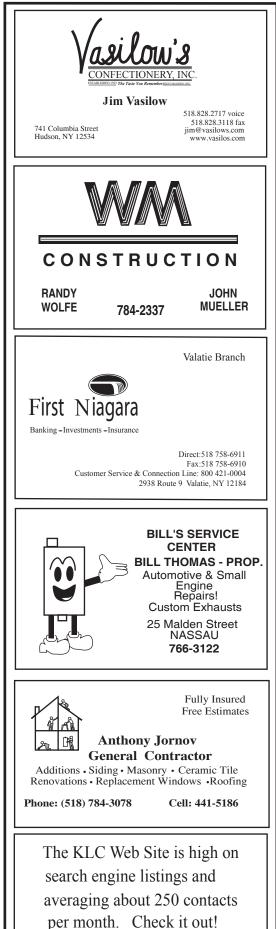


Finally, our dam is reinforced for many years to come. Keller and Sons did a wonderful job of completing a difficult task.

As indicated in the January Newsletter, the plan which was adopted was not the one originally proposed but it turned out to be the best. Since the location of the coffer steel was closer to the front of the old cobblestone section than had been proposed, new core-drillings had to be performed to determine depths to bedrock. To insure the soundness of the new section, coffer steel was driven into bedrock, tied by I-beams to the old section and filled with reinforced concrete. The entire front face of the dam, except for the gate opening, is covered with coffer steel to provide a surface which is more resistant to lake water corrosion than concrete.

Although some engineers from DEC felt that the upgrade was not needed and that the old cobblestone section was sound, when the inner region was probed, it was found to be seriously eroded. If breaks in the downside had developed, they might have led to failure. Thanks to all the members of KLC who have paid dues over the years and to the KLC Board which put money aside in the Dam-Reserve Fund each month, the \$117,000 bill for the upgrade can be paid in full. Additional expenses will be incurred to replace a 4-ft. exaust pipe, resurface some of the old concrete, build a new bridge and fill in behind the emergency spillway, but the most important and expensive task is now complete.

Now that Nassau Lake has had a new dam constructed by GE and ours has been improved, both are in better condition than ever before. We are indebted to Stan Cruden for arranging the contract with Keller, to Paul Winslow for negotiating the contract and to Russ Camadine and Bernie Kelleher for monitioring the construction to insure that it was done properly. Many Many Thanks!!



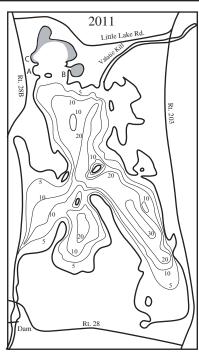
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## Notice of Treatment of Kinderhook Lake with Copper Sulfate

KLC has applied to NYSDEC for a Permit to treat Kinderhook Lake with Copper Sulfate (EPA Registration Number 46923-4). It is a 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 crustacians, 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 is not toxic to humans but may be to some dogs and other domestic animals.

Swimming, eating of fish and watering of 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.

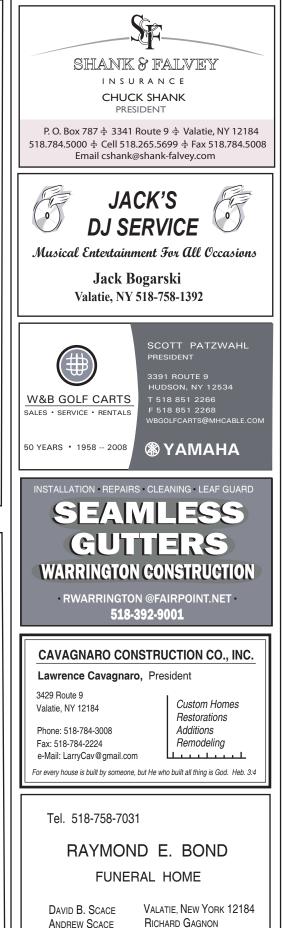


#### WATER CHESTNUTS

By placing markers at the three-foot depths at the edges of the water chestnut beds at the northern end of the lake, we were able to virtually clear the upper bay of water chestnuts with the cutter boat last year. Almost all of them were removed from areas A and B and this year we hope to remove them from bay C. However, even though they are annuals and grow from seed each year, germination is over five years. Thus, efforts must be continued to keep them cleared.

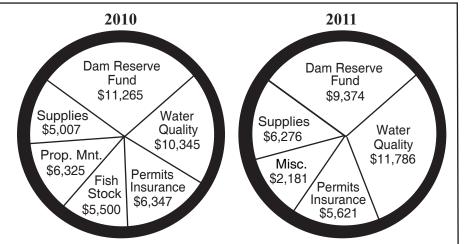
Since clipping the leaflet heads of the plants prevents them from producing seeds, leaflets of any seen in the lake this summer should be clipped to prevent the plants from spreading into the rest of the lake.

Last summer, Phil Beals and Charlie Zielman assisted in cutting with the cutter boat - we thank them for helping. This summer Charlie Zielman, who lives at the north end, will assume primary responsibility. Thanks Charlie!



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#### KLC EXPENDITURES - 2010/2011



2011 Expenditures were so different from 2010 that it is important to provide the information. First: 2010 repair of the cuter boat and a new engine for the cost \$6,325. Second: Interest in the Dam Reserve Fund was greater in 2010. Third: \$1,045 was spent on fish stocking in 2011 relative to \$5,500 in 2010. Fourth: the price of copper sulfate was greater in 2011 than 2010. \$117,000 for the dam upgrade was paid from the Dam Reserve Fund.

#### Fishing in 2012

Last September, NYDEC stocked 1,100 tiger muskies in the lake in an attempt to provide it with preditor fish which will become large enough to consume white perch. If any of them are caught, please return them to the lake. They are hybrids and will not reproduce.

