

Upper Long Lake Management Committee Meeting Minutes

When: Monday April 1, 2013

Where: Home of Ron Cousineau, 1875 Long Pointe Drive, Bloomfield Hills

Time: 7:00 p.m. – 10:30 p.m.

Attendees: Ron Cousineau, Steve George, Markus Knoerr, Eric Gleisner, Joel Dorfman, Tom Mattia, Mar Sclawy, Mike Haddow, Rob Shaya, Julie Savin, Mike Savin, Jim Whalen, Karyn West (proxy voting for Mike West (Committee member) and Nicole Pawczuk) Jared Roth, Jim Joseph.

Minutes follow the Agenda (see attached Agenda):

Opening Remarks: Ron mentioned that the agenda is full. The major topics included the depleted contingency fund, and the 2013 plan and budget, with all associated contracts, which will be signed by the Lake Board. Ron referred to the very detailed agenda and as we worked through each item we would record the financial impact on the 2013 worksheet, which is part of the agenda. When all items have been discussed we will add up all expenses and that will be our budget and plan.

Prior to the meeting Ron had sent four e-mails, with attachments, to prepare the attendees and neighborhoods for this meeting. The e-mails were “Management Committee Meeting Agenda Plus”, “Lake Management Committee Meeting”, and “Lake Management Committee Minutes from April 23, 2012” and “Our Lake Management Fund is Out of Money”. Steve George, from the Woods, distributed the information around his subdivision. The President of the Woods, Gregg Leshman, announced that this topic would be addressed in their upcoming ULLWCA Homeowners Association Meeting on April 9, 2013. Sheldon Yellon, president of the Shores subdivision posted much of the information on their website. Ron is a ULLE representative to the Lake Management Committee, so he also sent ULLE acting-President, Amy Monroe, with all these e-mails and directives.

Approval of prior minutes: The 2012 minutes were distributed by e-mail prior to the meeting and copies were available during the meeting. The 2012 minutes were unanimously approved as published with little discussion. Several parties who were present during the 2012 Lake Management Committee meeting commented on the minutes’ accuracy. All uncompleted action items will be carried forward in these minutes.

- **All members to look for items that are bolded. They are action items.**

COMMITTEE REPORTS:

Administration: There are two years remaining from our five year program. Budgets and assessments are set for five years and if during that timeframe assessments need to be raised a public meeting will be held. Only the Lake Board can raise assessments. Our committee is a volunteer advisory group only. The assessments are not a tax. In error some SAD members have thought it to be a tax and therefore subject to the Headley Amendment and a vote of the members. However this is not the case according to the Bloomfield Township attorney (who has cited case law documenting the legal distinction between SAD assessments and taxes).

SAD assessments have remained unchanged for 12 years. In 2001 the assessments were raised for two primary reasons:

1. For the Lake Board to pay \$60,000 to build the ULLE Lot 64 harvest site which contained two ramps (one for harvesting, and one for residential use while harvesting is being done) for lake harvesting;
2. To cover the expenses of weed management of the lake, including increased weed tonnage and harvesting the lake three times per year instead of two harvests per year, and normal rate increases over time due to inflation with his process.

To note, there was discussion at this point on harvesting and Ron presented a chart which documented the Upper Long Lake Harvesting history (see attached). This chart analyzes and compares the Wittbold operation vs. current harvesting practices in terms of efficiency, effectiveness and cost. From 2001 to date the costs have increased from \$42,800 in 2001 (when the SAD rates were raised) to \$79,400 in 2012. This is a 85% increase. However the CPI inflation factor is approximately 31% from 2001 to date. The remaining 54% represents costs associated with the lake's increase in weed tonnage. Key considerations of Ron's chart:

- From 1988-2003 Wittbold's average yearly weed tonnage: 290.3 tons/year
- From 2004-2012 Inland Lakes' average yearly weed tonnage: 1,063.1 tons/year
- Thus, Inland Lakes harvests 366% more tons of weeds per year out of UL than previous harvester
- Wittbold's costs average \$102.20/per ton weeds harvested
- Inland Lakes costs average \$60.01/per ton weeds harvested
- Thus, in terms of cost Inland Lakes removes significantly more weeds from UL in a more cost efficient manner. Inland Lake is 70% more cost efficient than previous harvester (Wittbold) in terms of cost per tonnage.
- Wittbold's average number of harvest days from 1988-2003: 7.7
- Inland Lakes' average number of harvest days from 2003-2012: 9 days
- Thus Inland Lake takes only 17% more time on lake to do 366% more work, collecting 772.8 tons more weeds per year.

This was enlightening to attendees that Inland Lakes efficiency and effectiveness of harvesting was a significant improvement from previous harvester, Wittbold. It also affirmed the good opinion the overwhelming majority of residents have toward the good work Inland Lakes does for UL. These facts were contrary to the opinion of a very select few Group C residents stating Inland Lakes was not effective or efficient compared to Wittbold. Residents and attendees agreed Inland Lakes does good work and should continue as harvester. The discussion continued that since 2001, the assessments have basically been the same at \$389.14 for riparians and \$97.29 for access residents. In 2001 it was anticipated the assessments may decrease once the harvest site was paid for. However, there were unanticipated expenses the Lake Board covered since 2001:

1. \$63,769 for weir repair (which was a onetime assessment at that time of \$318.24 for riparians);
2. \$17,200 administrative fees from West Bloomfield. It was noted during the meeting that West Bloomfield charges a 5% administrative fee for all of assessments collected in West Bloomfield. This was an unknown expense until 2013 when research showed some financial discrepancies were due to this fee, and not due to residents not paying their SAD assessment,

as was previously thought. West Bloomfield does not line-item their deduction; they simply cut a check to the Lake Board for less. At this point, Bloomfield Township charges no fee for administering Upper Long Lake's SAD.

3. \$7,500 Lake Board legal expenses associated with the review of harvesting access agreements which the Lake Board was forced to develop last year due to the threat of access being denied to Lot 64 to the Lake Board by select ULLE members. As noted in the 2012 Lake Management Committee meeting when Jim Joseph stated as noted in the 2012 Minutes: "It was Jim Joseph's opinion that Inland Lakes and the Lake Board are in breach of contract as interpreted by Jim Joseph." Also during the 2012 meeting the following quote from the 2012 minutes is relevant:

"As it relates to reviewing alternatives to weed harvesting, Pete Filpansick, an Environmental Biologist was consulted on this subject during the meeting and stated that harvesting for Upper Long Lake, as opposed to using chemicals is the recommended approach for the reasons which include that it removes the nutrients from the lake water, harvesting encourages native plant growth. [] During the meeting this was very much supported by the participants, with the exception of Jim Joseph."

4. Thus the Lake Board, during its next business meeting in the summer, decided that access agreements were needed from all 3 launch sites permitting the utilization of harvesting equipment due to that threat. Legal expenses were and will continue to be an ongoing result of this process; and
5. \$31,767 for fighting the lake-wide invasive phragmites outbreak for three years.

These above unanticipated expenses and costs associated with inflation have depleted the whole reserve, driving our costs in 2012 to \$107,734, and used the last \$32,307 of our reserve. Ron presented copies of all expenses from 2005 to all who were present for review; no one was interested in the detail. One attendee stated that these documents are available on the Bloomfield Township website. (Note: Ron researched this after the Committee meeting and learned that SAD data is not available on the website.)

It was stated that by statute our SAD two year program requires a 10-15% contingency reserve. For example, an \$110,000 annual budget would be \$220,000 for two years. 10% of \$220,000 is \$22,000 and 15% would be \$33,000. Since our reserve is depleted it must be build back up to meet statute requirements to \$11,000-\$16,500 per year for the next two years. The Committee meeting attendees decided unanimously to build the contingency to the maximum amount of 15%. This served the purpose of avoiding an assessment-increase meeting in the near future. Building up the maximum reserve also allows for more flexibility in addressing unforeseen expenses, and it may allow a decrease in assessment rate when there are none.

Lake Access Committee: The Lake Board has requested that "Access Agreements" be developed for all three launch sites involved in harvesting, namely the Woods, Estates and the Shores. Once these are signed, the contract for the harvester will be signed by the Lake Board. This request was made to all neighborhoods by the Lake Board in August 2012. To date the Shores and Woods have signed and approved agreements in place. The Estates (where Lot 64 is located) has not. Jim Joseph, a Group C resident, handed out the 2002 Memorandum of Understanding to attendees and attempted to direct the

conversation frequently to his opinions on this document. The group reminded Jim that the Lake Board did not sign the document so a new agreement needs to be approved by the Lake Board. Jim Joseph, who is not a Committee member, nor a ULLE Board member, and spoke only as a non-riparian resident of ULLE reported that for this year, he wants harvesting to be done this year and the new agreement should be available in about two weeks.

The process of developing these agreements has exposed some issues with deed restrictions, incorporation documents and/or by-laws, which were or are being addressed. The Lake Board has notified each subdivision of their respective issues.

In terms of future legal costs to the Lake Board and SAD, the following are important considerations:

1. Since the Estates and Woods have a one year agreement, legal costs will continue into next year because of this.
2. Other unknown potential future legal costs to the Lake Board include a letter from ULLE resident Bill McMaster challenging the SAD assessment as being a tax.
3. A letter (which no one at the meeting was aware of or had seen) from Jim Joseph to Heron Bay and to Turtle Lake was interpreted by them as a threat to their access to the lake and precipitated litigation threats and retaining counsel. The Lake Board has become involved due to this letter, which increasing the costs to all SAD contributors. Jim Joseph did not provide this letter. All ULLE Group C residents in attendance were shocked and very much against Jim Joseph's unilateral actions.
4. The uncertain outcome of the Stephen Crane lawsuit vs. West Bloomfield Township, Bloomfield Township and the Lake Board.

Therefore, in terms of budgeting future legal expenses, the group decided to keep the 2013 legal budget at \$7,500, the same as 2012, however more could be anticipated. For the legal expenses that exceed this, there will be a cushion from the 15% contingency fund.

Some Lake Access Committee items carried over from 2012:

- **Jim Whalen will continue to address the issue of allowing access to only those who have paid their access dues by developing a method to share the "who is paid" list between those who manage the keys to the three sites. He will discuss the following strategy with the three subdivision representatives: "If someone is paid at another site and the site is temporarily unavailable a paid member may get access to another site."**

Education and Association Cooperation: A web site was started in 2008. Our web master is Chris Bonde. The website is www.upperlonglake.com. Various committee members and residents have contributed to the site.

The issue of fracking was briefly discussed. Ron brought the September 2012 "Oakland Lakefront" article and maps of well sites and leasable land in Oakland County. The group decided it was in the best interest of the lake to do an extensive benchmark water quality study called the "National Well Water Multiple Scenario Analysis, Test #779". The web site is (www.watertestamerica.com/national-well-water-test-parameters.html). It will study not only fracking chemicals but also 240 contaminants that affect drinking water standards. It will cost \$199.

- **Ron will perform the sampling and distribute results on the web site**
- **Ron will ask Carol, his wife, to develop a fracking informational piece for the web site.**
- **Chris suggested residents go to the website to learn what has been included and to suggest what else needs to be done.**
- **Mike West volunteered to fill the ULLE website history of the lake section.**

Safety: There were a few examples involving unsafe driving practices. They usually involved drivers or guests that are new to the lake. We are reminded that it is all of our own responsibility to address these issues immediately. The Oakland County Sheriff, Marine Division, can be called at 248-391-0256, if required. The following assignments are carry-overs from 2012:

- **Jim Whalen to add an amendment to the “Water Safety on Upper Long Lake Rules” to Paragraph 7 titled “Drive Counter-Clockwise around the lake!!!” to allow water skier and boarders to drive in a straight line ONLY in the middle of the lake to minimize wake for water skier ONLY when there are no other watercraft (motor or otherwise) on the lake (including non motorboats). Outside this exception the Michigan state law of counterclockwise path will rule will apply for all motorized boats.**
- **Jim Whalen to modify Paragraph 11 C of the Water Safety on Upper Long Lake Rules, to allow only known licensed competitive skiers to drive without an observer. Note Jim Whalen is the ONLY known licensed competitive skier in the lake at this time so he is the only person who is licensed to ski without a spotter.**
- **Eric will research deed restrictions to determine if there is any language related to allowing the sheriff access.**

Chris has placed boating laws including 3 separate links on the Upper Long Lake web site: 2010 Water Safety on Upper Long Lake guidelines; The Handbook of Michigan Boating Laws and Responsibilities; State of Michigan Boating Rules and Registration.

Water Quality/Environment (Harvesting/Chemical/Biology):

1. Chemical: In 2012 there was one treatment called by the Shores Canal Captain for both weed and algae control covering the whole Shores canal. The herbicide Reward was used to treat milfoil in the Shores. However, it is selective and allowed the coontail to proliferate, creating another problem. It was discussed that healthy, balanced lakes have a variety of species of lake flora. These plants keep each other in check by competing for space and resources. If one of them is removed (ie. by Reward) it can cause another weed to propagate and take over and create an unhealthy balance. This has been a constant theme presented at Michigan Lake and Stream Association, and is supported by Joe Lattimore, PhD Department of Fisheries and Wildlife, MSU. Dredging and the extra harvests reduced the need for further chemical treatment in the Woods and Estates canals.
Steve George stated The Shores residents are more environmentally and lake-health sensitive and are willing to rake any unwanted weeds themselves, which requires minimal effort and maintenance, and eliminates the need for chemical treatments. Since the Shores usually treats their canal for both algae and weeds for about \$3,600. The group agreed to carry this forward to

2013. Also the Estates or the Woods along the Square Lake section only sometimes asks for a partial canal algae treatment for \$700 to be carried forward to 2013. The \$800 permit fee is also required.

2. Study: Last year Steve George, took Secchi disc readings: it was an excellent year for water quality. Most readings exceeded 10 feet, to note the best recorded readings were 14'8" on April 6, 2012. The poorest readings were 4'6" readings on September 29, 2012. It was explained this excellent water quality was attributed to frequent harvesting and the lack of herbicides and toxins in the lake.
3. Fertilizer: No report.
4. E-Coli: No volunteers available to analyze e-coli in 2012, thus no analysis was done.
 - **Ron to seek volunteers to do e-coli studies.**
5. Harvesting: 1,096 tons were removed in 2012 with 3 lake harvests one special canal harvest for the Shores and two extra trimming twice for all three canals. The program for 2013 will be similar to 2012. The predominant harvested weed is Chara (95%), which cannot be chemically controlled. The remaining 5% is primarily a combination of native milfoil and pond weed. Pond weed is a desirable plant and should never be chemically controlled. It was also discussed again at this point our biologically healthy lake has approximately 13 varieties of plants as studies by Karyn West and Eric Gleisner. The healthiest areas of the lake have multiple species represented. Although native milfoil can be chemically treated, it was decided the small percentage does not merit chemical treatment as it appears to be controlled by other competing plant life. The group decided that the 2013 budget should be \$80,000.
 - **Eric and Karyn to bring plant survey to next meeting.**
6. 6 Rivers Regional Land Conservancy. It was discussed that there could be a possible benefit to becoming a member of this organization which is a part of the Friends of the Rouge.
7. **(Carry Over) Mar Sclawy will request information and send it to Steve George to put membership fee into budget. (~\$50) web address: sixriversrlc.org**

Wildlife: Steve has done frog surveys for seven years, and Karyn has done it for several years; both are signed up to survey again in 2013. The goose population seems under control on the lake but was a nuisance in the Wood's subdivision. Fishing is still very good. Since the goose management strategy of nest destruction and round up is working, we will continue for 2013 mentioning to do a better job in the Woods area. In 2012 34 eggs were destroyed and 24 geese rounded up. There were also complaints about swans. The State of Michigan is investigating management of mute swans by introducing programs to be announced in several years. Jim Whalen suggested that we consider being a part of it when it happens because he reported 12 pairs of nesting swans on the lake and he felt that is too many. Many others agreed, but also noted that the more swans we have the fewer geese we have. Ron already requested a permit for egg removal because the deadline was April 1.

1. **Ron will hire Goose Busters again. He will file all required permits, get permission from the Township, file an application and sign the contract.**
2. **(Carry Over) Steve, Karyn and Eric will inventory various wildlife around the lake during all seasons. For example the migratory birds, deer, geese, swans, mink, raccoons, etc. They may solicit help from various subdivisions. A report and pictures will be added to the web site.**
3. **Steve to publish frog survey results on web site and bring to next meeting.**

Lake level: We reached the lowest recorded level this year at 15.25” as measured at the weir and Roger Cobb’s guage. However during the summer we started at 36” as planned, but due to the scarcity of rain our lowest level on October 10, 2012, beating the record set on September 28, 1988 at 15.75”. Dan Beresh has photographs that are on the web site taken in 1970 when the water was even lower, but not recorded.

- **Ron will continue to monitor. We will contact Forest Lake Country Club who is reported to keep records of rain fall, lake water usage and lake levels also.**

Current weir readings are 31 1/8”, and the weir is set at 28”. On April 15 it will be reset to 32” if levels are at or below 32”. The target is for a June reading of 36”, but Township officials insisted it be 34”.

OLD BUSINESS

Woods Dredging Law Suit Update: The Crane versus West Bloomfield, Bloomfield and the Lake Board was sent back to the Michigan Tax Tribunal because of decision favorable to Mr. Crane. It is now being placed on the Supreme Court docket for consideration. If Mr. Crane wins his case, the financial consequences to the Lake Board are not predictable at this time.

Estates Dredging: The Estates dredging project with the Lake Board is tabled. Jim Joseph reported that he wanted the subdivision to pursue its own solution. He said that he wanted the scope will be limited to the south end near the Roth’s home and the dozen docks on lot 64. Jared said that he has some ideas about what to do with the dredged sand; it could be placed on his beach front. Jim suggested rebuilding the reed island’s end using coconut logs like those being used on Island Lake. All the cost will be covered by ULLE residents and not the Lake Board, just like the two previous projects. Jim said he does not want to involve the Lake Board and the Woods residents agreed. Ron has a large file on dredging for ULLE and is willing to share at any time.

- **ULLE will keep the committee advised as plans progress**

Forest Lake Watershed Plan: No report

By Laws: The consensus of the group was to run the meeting as it has been for 30 years, that is without recorded By-Laws. But if there is any interest Ron remembers seeing an old draft somewhere in Roger Cobb’s old files. He cannot guarantee finding it but he would look if there was interest. There was no interest at this time. Jim Joseph stated that he has experience in such matters if needed.

Goose Management: Same as previous years. Eggs and geese were rounded up by Goose Busters as in previous years. The group suggested the same plan and budget at \$800.

- **Ron to contract with Goose Busters to do egg collection and goose round up as we have done for the past decade.**

Phragmites: To date we have spent \$31,767 on the non chemical removal of phragmites. 23 sites were treated in 2012 and some were eradicated. Every subdivision had at least one outbreak. The largest were the ULLE Island and three homes in Wabeek on Indian Summer Drive. The ULLE Island has shown great progress, many of the native plants are back and the phragmites population is about 20% of its worse condition. The residents who had their properties treated were very pleased. The discussion was brief. The group wanted to continue treatment to keep the outbreak under control. We spent \$12,267 in 2012. We will budget \$12,500 for 2013.

- **Ron to update last year's letter to all ULL riparians for Leo Savoie's signature, wherein he will address all ULL riparians stating the Lake Board's intention for controlling phragmites around the lake and requesting permission and access of contractors to remove phragmites from private property.**
- **(Carry Over) Ron and Mike West to continue to research chemical/non chemical treatments and costs and benefits.**
- **(Carry Over) Karyn and Steve to examine and present the costs of new plants and costs maintenance of growing these plants and keeping them alive when chemical applications are utilized, vs the costs of the non-chemical approach.**

Web Publishing: See Education and Association Cooperation section above.

ML&SA Annual Meeting and Membership: This is considered an important source of education and information so the group approved a budget of \$150 to continue our membership and \$550 for attending the meeting. Jim Joseph, Karyn West and Ron Cousineau expressed interest and will make their own arrangements to go. Karyn will volunteer to be the CLMP volunteer and attend those sessions. The Riparian magazine was not discussed but the group agreed to carry over the budget for all small items not discussed. This budget is \$100.

Between the Lakes Issues: Mike Losh, from Heron Bay, reported to Ron that we need to continue to harvest between the lakes. He has not noted any phragmites on the channel. Many of us have seen a very large outbreak on Lower Long Lake and Ron notified the Lake Manager and Terry Counihan, the president of the Forest Lake, Island Lake and Lower Long Lake Association. They have no plans to manage it at this time. It should not affect our lake.

NEW BUSINESS:

2013 Harvesting Contract: There is no contract signed yet for lake harvesting. The Lake Board is waiting for the ULLE access agreement. Eric has held some dates for harvesting our lake. The dates are as follows: May 13 – 22, June 20 – July 2 and September 3 – 16. There basically is no change in the contract language for the past many years except this year it will have access agreements added to his contract from the Woods, Estates and Shores. The 2013 budget is the same as 2012 at \$80,000 for 3 lake harvests at \$22,500 each, one separate canal harvest at \$3,500 each and six canal extra trimming at \$1,500 each. The trimming reduces the need for chemical treatments. Steve George reported that nothing has changed since 2012 when the Woods decided not to be a harvesting site for any part of the lake.

2013 Chemical Contract: Aqua Weed chemical control has presented a contract that is similar to the past few years. New this year they also, by a request, submitted a proposal for Sonar treatment of milfoil. Earlier in the year, Jim Joseph and Roger Cobb (two ULLE Group C residents) requested a quote from Ron for treating the entire lake with SONAR. SONAR is the brand name for fluridone, an herbicide. Subsequent to Jim Joseph and Roger Cobb's request, Ron called Aqua-Weed to do a survey of the lake, and a quote for 2013 for SONAR. Aqua Weed reported that SONAR would address the milfoil patches present in the lake, which represents 5% of the lake weed population. However, the predominant weed in our lake is chara, which is not effected by SONAR. Weed control with SONAR lasts approximately one year.

The first year costs involve a floridone study required by state of Michigan, and the use of numerous other chemicals, including Reward, Renovate, copper based products, and 2-4D to pre-treat the areas. The second year, we would treat with floridone. The 3rd year an additional study is required to assess the treatment, and further chemical treatments are required. The total cost for 3 years of treatment is would be \$20,000, plus additional chemicals costs for the remaining 2 years (which is an unknown). Ron and Eric pointed out that 3 harvests would still be needed anyway as 95% of our weeds are chara and SONAR does not cover chara. Eric added that he disposes of our weeds in an organic farm environment; if we treat our lake with chemicals it will be difficult for him or any harvester to find a dump site without greatly increasing overall harvesting costs.

Ron mentioned that we used Sonar for six years and for those years Wittbold harvested 290 tons of weeds from the lake. In the other 10 years that Wittbold harvested when chemicals were not used he averaged 290 tons per year. The reason being that chara is our predominant weed and it cannot be controlled throughout the lake with chemicals. The net result was that there was no positive impact from the chemical use except that the kinds of weeds that grew back were not milfoil but curly leaf pond weed at nuisance proportions and other native plants. We have rarely spot treated the mouth of canals when the milfoil became so thick that it required treatment beyond what harvesting could do. We do not have Eurasian milfoil but a hybrid variety which acts more like native milfoil.

This elicited a lot of emotional discussion. Many residents the meeting were shocked at this request for SONAR treatment and extremely upset at the concept of treating our all-sports lake with SONAR. Many had very strong feelings against using any chemical treatments on our all-sports lake where they and their children swim, or water their lawns and landscaping. Residents did not support this SONAR or other chemical treatment. There was unanimous support against use of SONAR on our lake, with the exception of Jim Joseph. The group was questioned about their thoughts related to whole lake chemical treatments and the response was emotional and unanimous – “Never use whole lake treatments”. The group was surveyed about occasional spot treatments when necessary and only about 20% said yes. So the program is a carryover at \$800 for the permit, \$3,600 for Shores whole canal treatment and \$700 for as required algae treatments in the canals.

- **Ron has forwarded the contracts with Aqua-Weed for chemical treatment for 2013 to the Lake Board for signature. This will include permission for phragmites treatments for residents who prefer this method on their property.**

Fish Study: For approximately 5 years there have been numerous requests for a fish consumption study. The group did not approve any funds this year.

- **Mike Haddow to research alternatives and present a cost estimate next year. Those attending the ML&SA conference, which is featuring fishing, should research fish consumption consultants.**

Professional Management and Studies: Lake Pro wrote that last year’s quote is still valid for this year. The group will postpone professional management of harvesting and the lake until our funding issues settle down, even though the neighboring lakes have hired Lake Pro for about \$5,000 worth of services. Lake Pro would be willing to develop a request for quote for harvesting to submit to the Lake

Board for \$400. The group approved it. It was decided that we would rely on volunteers to do e-coli studies using Oakland County Health or 3-M home testing kits. We will budget \$200.

- **Jim Whalen and Steve George will investigate Oakland County Health for e-coli studies or they will contact Ron who has a source for home testing kits from 3-M.**

2013 Plan and Budget Submission to Lake Board: Ron developed a draft set of options “Same Fee” vs. “Economy” vs. “Continue the Same”, which was part of the agenda document provided prior and during to the meeting) and attendees and committee members kept track of the decisions that were made during the meeting. The attached Plan and Budget records the group's consensus based on the discussions noted throughout the meeting. The off lake assessment would become \$160 and the riparian assessment would become \$640. The Lake Board runs on 5 year plans, and the total budget addressed is for the last 2 years (2013 and 2014) of this current 5 year plan. The total budget for these next 2 years is \$130,400 annually. There was a lot of discussion about this higher assessment and the group unanimously approved it, including the proxies. It will rebuild the contingency fund and basically do what we have been doing for the past three years.

The next 5 year plan (2015- 2019) most likely we will not have to raise the rates and possibly even lower them as the contingency fund will have been brought up the statutory limit. The next plan would include performing the same lake services, and more lake services: including fish consumption study; and hiring a lake manager to respond to the other tabled lake issues which have been presented in prolific manner this past year by a couple individuals.

When the legal fees reduce and the phragmites become more in control we will be able to hire a professional lake manager, which will tend to reduce many management issues related to harvesting and chemical usage. We should be also prepared to study the water quality and safety for fish consumption which we have been neglecting. In the meantime, Steve George, Eric Gleisner, Denis Parks, Ron Cousineau and Karyn West will continue to do volunteer work for lake health and water quality by themselves, such that we do not need to hire and invest financially in consultants to do the same work at this time. The \$640 is 75% of the average of Lower Long (\$804.58), Forest Lake (\$773.87) and Island Lake (\$998.54). All three of them harvest three times and have a professional manager.

There was discussion on any potential impact of raising assessments \$240 for riparians and \$60 for lake access residents. Prior to the meeting Ron received direct feedback from approximately a dozen residents. Of these 10 supported the SAD increase, and 2 claimed financial hardships stating raising their assessment \$60 (as they were non-riparians) would be financially detrimental to them. However it was stated in the meeting if a resident cannot pay the annual increase, this would create a non-foreclosable lien on their property and deducted from their home when sold. It was discussed, that the neighborhoods themselves could address helping out other neighbors who are in financial distress and cannot accommodate the fee increase, or they could start a fund for such neighbors within their neighborhood. This would not be a Lake Board issue.

If the Lake Board accepts our proposed 2013 Plan and Budget (which would cause an increase in our SAD assessments) then the Lake Board will call a public hearing. All SAD residents will be notified in advance via first class mail by the Lake Board.

- **All Committee members to contact their associations about the recommended rate increase which will have to go to the Lake Board for approval and inform residents of this issue, educate residents on why, and advise them on the likelihood of this happening.**
- **Steve George and Jim Whalen to attend the Woods annual meeting in early April and present this issue.**
- **Ron will contact ULLE and the Shores with an update.**
- **Ron to advise committee of future Lake Board meetings.**
- **Ron to submit 2013 Plan and Budget as developed during this meeting to Lake Board. (see attached)**

Letter to Lake Board: Bill McMaster, a ULLE non-riparian resident, sent a 7 page letter dated March 19, 2013 to Leo Savoie and ULLE acting-President Amy Monroe requesting information under the Freedom of Information Act. He requested information including: the Woods dredging; the ULLE response to Ron's e-mail "Our Lake Management Fund if Out of Money"; the Memorandum of Understanding dated 2002; and ULLE deed restrictions. In Mr. McMaster's opinion, a SAD assessment is a tax, and therefore subject to the Headley Amendment. According to the township attorney there is a legal distinction between a tax and the SAD assessments, and Mr. McMaster is in error in his opinion. The cost to the Lake Board to consult with counsel, who responded to Mr. McMaster's letter, was paid for by our SAD fund. This issue was also addressed on page #4 of these minutes.

What Attachments Should Be Included in the SAD Assessment Mailing?

- 2013 Plan
- 2013 Budget
- Water Safety Rules
- Chemical Treatment Notice
- Weed Harvesting Proposed Dates
- Web site flyer
- Updated Phragmites Letter
- **Ron to revise the Phragmites Letter and accumulate the above materials for the Bloomfield Township clerk's office who will likely mail the letter in May or early June.**

Questionnaire (How are we doing): No report, no complaints, no discussion.

- Considering volunteers for taking on this action item.

Chair when Ron is on Vacation: Steve George

Members/Committee Assignments:

- **Each subdivision is responsible for the membership on this committee. If there are changes to be made, bring it up at your subdivision meetings.**
- **Each member to update the member and committee list based on any changes since the last publishing.**
- **Everyone needs to look at the committee list and join at least one committee.**

Repair to ULLE Lot 64 launch site. Jim Joseph reported that the hole in the asphalt roadway adjacent to the northern launch site has been repaired. According to the MOU, the Lake Board will contribute 1/3 of the cost of repair to the road. \$800 is in the budget. Ron had inspected the site and acknowledged this specific repair was needed.

- **Jim Joseph will get the treasurer to invoice to the Lake Board, who is responsible for 1/3 of the cost according to MOU.**

Next Meeting:

- Date: January 2014 (date to be determined) (use e-mail for most business)
- Time: TBD
- Location: TBD.

Attachments:

1. Upper Long Lake Management Committee Meeting Agenda including:
 - a. Harvesting history analysis
 - b. Budgeting and planning worksheets
2. 2013 Proposed Plan
3. 2013 Proposed Budget
4. Lake Management Members and Committees
5. Water Safety on Upper Long Rules

Upper Long Lake Management Committee Meeting Agenda

When: Monday, April 1 2013

Where: Ron Cousineau's home, 1875 Long Pointe Drive, Bloomfield Hills,

Time: 7:00 p.m.

Agenda: Note my thoughts is brackets () This should speed up the meeting

- Opening Remarks (Contingency fund depleted. Keep or raise fees, then-budget accordingly. Lake Board to sign all contracts and access agreements. Our Committee is not a legal entity, only advisory) Ron
- Approval of prior minutes (Print and read before coming to meeting). Ron
- Committee Reports**
- Administration (2 years remain in 4 year plan. Fees raised in 2001 about \$130 for riparians to \$389.14 (same for 12 years) - we cannot raise fees, only the Lake Board can after a public hearing. Fees are not taxes). Ron
- Lake Access Committee: (Because the ULLE Memo of Understanding was not signed by Lake Board and access had not been formally allowed, the Woods, Shores and Estates needed to develop access agreements. Shores and Wood are done. Waiting for ULLE. No harvesting contract can be signed until all three are signed. Process revealed legal issues with deed restrictions, by-laws and corporate status in some part with each subdivision.) Ron & Jim W
- Education and Association Cooperation. (Fracking in Oakland County is big issue. Consider fracking web site information) Chris and Jim W
- Safety (See minutes) Steve and Jim W
- Water Quality/Environment (Harvesting/Chemical/Biology):(Harvesting: 3 lake 1 extra canal, 6 canal extra trimming for 1096 tons. Chemical: Shores had algae and weed control. No e-coli testing. Secchi Disc from 14'8" to 4' 6". CLMP phosphorus reading very high) Ron, Steve, Karyn
- Wildlife: (Goose: 34 eggs from 7 nests removed and 24 geese removed later. Frog surveys continue for 7 years. Many deer and a mink observed) Ron, Steve , Karyn
- Lake level: (Reached lowest recorded level at 15.25" on 10/10/2012 beating the old recorded record of 15.75" 9/28/1988. Photos show it was lower in 1970, but there were no measurements.) Ron

Old Business

- Woods Dredging Law Suit Update (Crane versus W. Bloomfield, Bloomfield and Lake Board. Court of Appeals remands it back to Mich Tax Tribunal, now referred to Mich Supreme Court. If Mr. Crane wins, the financial consequences to Lake Board are unknown)

- Unpublished opinion so it refers to petitioner Mr. Crane only) Steve
- Estates Dredging (Tabled by Lake Board. ULLE action unknown.) Jim Joseph
- Forest Lake Watershed Plan (No report. Awaiting township interest) Ron
- By Laws (No Report. Looking for volunteer) Ron
- Goose Management (Request for permit for nest destruction sent). Ron
- Phragmites .(\$12,267 spent at 22 sites representing every subdivision.
Property owners very pleased. ULLE Island very improved; natives
are coming back. Some phragmites eradicated. Will continue to
be ongoing problem. Lower Long has unchecked big problem.) Karyn and Ron
- Web publishing (See minutes) Chris
- MLSA Annual Meeting/Membership (CLMP volunteer lake and
water quality program available. Annual conference in Bay City
April 26 & 27. Fracking, fishing, controlling muck,etc. Web site
www.mlsa.org) Ron
- Between the lakes issues (Harvesting required. No phragmites) Mike L

New Business

- 2013 Harvesting Contract (No contract yet. Waiting for ULLE access
Agreement and Lake Board approval. Harvest dates May 13 – 22,
June 20 – July 2 and Sept 3 – 16th to have one harvest session on lot
64 during prime boating season. No change in contract language for
many years. Cost \$22,500 per lake, \$3,500 per canal special harvest
and \$1,500 for each canal trimming.) All
- 2013 Chemical Contract (All treatments are priced when requested.
Typical canal weed and algae treatment is about \$3,500. Permit fee
is \$800. Sonar requires 4 years at \$20,000 plus \$2,000 plant survey
and multi-chemical treatments during the first, third and fourth year.
Sonar is used during the 2nd year. Treatment effective for two years.) Ron
- Fracking Issues (Benchmark water quality study with National Well
Water Test Kit Test #779. It tests 240 contaminants for \$199. Web site
www.watertestamerica.com/natioal-well-water-test-parameters.html) Ron
- 2013 Plan and Budget Submission to Lake Board (See my 3/6/2013
e-mail entitled “Our Lake Management Fund is Out of Money” Also
see attachments providing additional data and my thoughts on three
scenarios for a plan: “Same Fee”, “Ecomony” and “Continue Same”.
These are thought starters. During the meeting we will create our 2013
plan based on what we want to do. My “Continue Same” scenario does
not include professional services which we have been postponing for
many years. We will still have to rely on volunteers which have not
been available for many years. Print these for the meeting.) All
- New Members/Committee Assignments (See attached. Update.) All
- What Attachments Should Be Included In The Mailing: (2013 Plan,
2013 Budget, Water Safety Rules, Chemical Treatment Notice, Weed
Harvesting proposed dates, Web site flyer, Updated Phragmites letter)
- Professional Management or Studies (Lake Pro has kept its 2012
proposal at the same price for 2013. (See last year minutes pages

- 1, 18 and 19. Aquaweed has also proposed Sonar for \$20,000, water quality and plant survey for \$2,000 and \$85 per e-coli test. Note we have three beaches that should be tested 10 times for a cost of \$2,550) All
- Questionnaire (How are we doing) (We should do this. Any volunteers) All
 - Chair when Ron is on vacation (Steve George) All
 - Fish consumption study(Mike Haddow volunteered to study this issue) Mike H

Next Meeting: Date: January 2014; Time: TBD; Location: TBD All

DRAFT

Upper Long Lake Management Committee 2012 Plan

Year 2012 Plan	Situation	Plan
Weed Harvest Cuttings	Macrophytes dominant. Algae periodically in lake, more in canals.	Three lake/canal harvests. Harvesting dates May 31 – June 11, July 25 – Aug 2 and September 1 – September 12. Estates canal may need extra harvest.
Selective Chemical Treatments for algae in the canals and exotic submergent plants wherever. Lake cannot be treated for algae. Emergent plants are excluded due to local and state regulations.	Canals and selected areas may need special attention like weed stands of exotic plants such as Eurasian milfoil. No full lake chemical treatments authorized or needed at this time. Canals need periodic treatment for filamentous algae.	Copper Sulfate for filamentous algae in canals. Green flagellate algae cannot be treated anywhere. Duckweed is very hard to control chemically. Selected lake/canal weed treatment for exotics only. Emergent plants excluded by ordinance and law. Monitor mixed feedback (pro vs. anti chemical). Subdivision canal contacts are: Mike West for Estates, ?????? for the Shores and Jim Whalen for Woods. Phragmites to be controlled this year.
Goose Roundup	Geese sometimes reach problem proportions.	Continue egg removal and roundup. Egg removal and roundup program did work well in 2010. In 2011 we will plan for egg removal and a roundup, if required.
Water Testing/consultant Study	Wally Fusilier studied lake 2010. No e-coli testing done. Brooks Williamson wetland research in ULLE canal. Further studies may be needed this year.	Work with Bloomfield Township to restart FLOW group. Wally Fusilier retired. Volunteers to take secchi disc readings and chemical samples to local labs. Pay Wally's and Brooks Williamson wetland research invoices. No studies this year. We will conduct e-coli testing for 3 swimming areas using Oakland County Health.
Zebra Mussel Testing	Imported on hoist in 2009.	No sightings in 2010. Monitor Estates marina and whole lake.
Fishing	2001 study available.	No study for eating safety.
Safety	Periodic reports of unauthorized boats on lake and unsafe driving..	Periodic reminders by concerned boaters help keep it safe for everyone. Skiers to monitor power boating problems in fishing areas. Hand out laminated cards with laws and lake rules.
Estate's launch site.	Low water launching issues.	Encourage minor dredging at Estate's subdivision expense.
Watershed lawn care	Nitrogen and Phosphorus readings are high.	Be more proactive. Get a clear message out to all in watershed. Encourage enforcement of township fertilizer ordinance.
Lake access issues	Agreements in place for all subdivisions to allow legal access to the lake.	Committee to continue to monitor issue. Subdivisions to enforce access rules. Shores and Wabeek lake boaters may have clearance issues with bridge. Affected residents to contact Estates or Woods.
Waterway between lakes	Shallow water inhibits riparian access.	Harvest between lakes.
Watershed plan	Forest Lake Watershed committee is inactive.	Try to reactivate FLOW group because there are many benefits for our lake. Join with Forest, Lower Long and Island in a coordinated effort to develop plan..
Join MLSA	Whole lake is enrolled.	Join as a group.
Riparian Magazine	Good information	Provide to all management committee representatives.
Pay Estate's ramp SAD 288 Assessment.	SAD 288 paid for Estate's ramp assessment fees.	Per Estate's requirements in "Memo of Understanding" lake board is to pay.
Pay harvester access fees at Wood's ramp.	Wood's subdivision now charges fees per usage.	Launch fee is \$100 per launch (either in or out). We harvest three times a year with about 5 harvesters.
Investigate liability insurance for committee.	Litigation issues have occurred in several subdivisions.	Check by laws for appropriate language. Seek coverage from respective subdivisions. Research ML&SA for suggestions.
Dredging	Shores and Woods complete. Estates tabled.	SAD not allowed to contribute. Estates project tabled at Lake Board. Estates investigating through subdivision..
Mailing and administrative	SAD to pay	Mailing, newspaper announcements, legal fees associated with dredging, administrative. Develop web site and consolidate data.
Weir issues	Weir needs repair and management agreement.	Privately owned weir. Maintain weir. Lower gate freezes in place and needs auxiliary tools and weir needs different grease.

Upper Long Lake Management Committee 2012 Budget

Year 2012 Plan	Description	Budget	2011 Actual
Weed Harvest Cuttings	Three lake/canal harvests. (65,730) Extra canal harvests as required. (\$6,500))	\$72,230	\$70230
Selective Chemical Treatments for algae in the canals and exotic submergent plants wherever. Lake cannot be treated for algae. Emergent plants are excluded due to local and state regulations.	Copper Sulfate for filamentous algae in canals. Green flagellate algae cannot be treated anywhere. Duckweed is very hard to control chemically. Selected lake/canal weed treatment for exotics only. Chemical treat Shores for weeds and algae. No Harvesting due to dredging Emergent plants excluded by ordinance and law. Monitor mixed feedback (pro vs. anti chemical). Annual Permit Fee. Phragmites control in wetlands (Estates, Woods and Wabeek)	\$1,500 \$1,500 \$850 \$8,500	3140 \$800 \$13480
Goose Roundup	Egg removal program and roundup	\$900	\$600
Water Testing/consultant Study	CLMP E-coli fees at Oakland County Health Dept. Pay for Wally's 2010 study. Pay for Brooks Williamson wetland research. Hire water quality tester for lake and nutrient loading	\$0 \$100 \$300 \$600	
Zebra Mussel Testing	Monitor	0	
Fishing	Monitor	0	
Safety	Acquire laminated safety cards summarizing laws and rules.	\$250	
Improvements to ULLE launch site.	Monitor. Encourage ULLE to dredge and improve launch sites.	0	
Watershed lawn care	Be more proactive	0	
Lake access issues	Encourage subdivisions to monitor.	0	
Waterway between lakes	Permanent solution for sign that is vandal proof.	0	
Watershed plan	Hiring a consultant for watershed plan.	0	
Join MLSA	Join as a lake group. Send two representatives to ML&SA annual meeting	\$250 \$0	\$750.43
Riparian magazine	Subscribe to Riparian for each management member.	\$100	
Pay ULLE ramp SAD 288 Assessment	Pay SAD 288 Assessment	\$400	
Launch fees for Mallard Court	3 harvests, 5 harvesters, 2 launches per harvest (in and out) times \$100 per launch. Plus 2 canal harvests. Limited due to dredging.	\$2,000	\$1200
Legal counsel and insurance	Legal and other insurance to be covered by member's subdivision and not by the lake management committee..	\$500	\$134.45
Weir issues	Privately owner weir repaired. Our SAD contributed whole cost for Upper Long Lake in 2008. No anticipated expenses in 2011. Develop a three lake agreement with easement.	\$0	
Mailing, legal and administrative	Mailing, newspaper announcements, legal fees associated with our SAD and administrative	\$500	\$61.50
Dredging	Loan the cost of engineering studies to Woods and Estates dredging projects.	\$0	
Web site	Continue development.	\$600	
Subtotal		\$91,980	\$89,934.47
Rebuild SAD fund	Use some reserve to keep annual fee the same as 2010. Try to keep at least 25% of one year in reserve. Fund balance is about \$37,600. .	(12,294)	(\$5,889.79)
Contingency	To cover unforeseen expenses	\$0	
TOTAL	The target this year is to keep the assessments the same as 2010	\$79,676	\$74,815.67

Notes: My calculations of assessments are based on 819 units. One unit is the lake privilege assessment, 4 units is the lake or canal lot assessment. There are 168 lake and canal lots, 3 that pay 0.33 units each and 143 others with lake privileges.

My calculated assessment for \$79,676 budget: \$97.28 and \$389.14 for 1 and 4 units respectively. We would like to keep the assessment the same as 2010.

Upper Long Lake Management Committee 2013 DRAFT Budget Worksheet

Year 2013 Plan	Description	2012 Budget	2012 Actual	Same Fee	Economy	Continue Same
Weed Harvest Cuttings	Lake @ \$22,500 Extra canal A \$3500/canal Grooming @ \$1500/canal	\$73,700	79544.00	\$45,000 \$3,500 \$7,500	\$67,500 \$3,500 \$4,500	\$67,500 \$3,500 \$9,000
Selective Chemical Treatments for algae in the canals and exotic submergent plants wherever. Lake cannot be treated for algae.	Filamentous algae in canals. Selected lake/canal weed treatment Chemical - Shores for weeds / algae. Annual Permit Fee. Phragmites control in wetlands Wetland permit from West Bloomfield	\$2,000 \$4,000 \$800 \$12,500 \$250	0 3525.00 800.00 12267.18 0	\$700 \$3600 \$800 0	\$700 \$3600 \$800 \$6,500	\$700 \$3600 \$800 \$12,500
Goose Roundup	Egg removal program and roundup	\$900	790.00	\$800	\$800	\$800
ML&SA CLMP	CLMP	\$130	0		\$130	\$130
E-Coli Study	E-coli fees at Oak Cty Health Dept.	\$100	0			\$200
Water contamination	Water contamination benchmark				\$200	\$200
Zebra Mussel Testing	Monitor	0	0			
Fishing	Fish safety for human consumption	0	0			
Safety	Provide safety laws and rules to boaters unfamiliar with them.	0	0			\$100
ULLE launch site.	Board's 1/3 share of driveway repair	\$1,000	0	\$800	\$800	\$800
Watershed lawn care	Be more proactive	0	0			
Lake access issues	Encourage subdivisions to monitor.	0	0			
Waterway between lakes	Permanent solution for sign that is vandal proof in 2013 Budget.	0	0			\$250
Watershed plan	Hiring a consultant for competitive harvesting bidding.	0	0	\$400	\$400	\$400
Join MLSA	Join as a lake group. Send rep. to ML&SA annual meeting	\$250 \$540	150.00 677.00	150.00 0	150.00 \$550	150.00 \$550
Riparian magazine	Subscribe to Riparian for each.	\$100	0	0	\$100	\$100
Pay ULLE ramp fee	Pay SAD 288 Assessment	\$800	389.14	\$400	\$550	\$550
Launch fees for Mallard Court	\$100 per launch.	\$2,400	1800.00	\$1800	\$2000	\$2000
Insurance	Insurance by member's subdivision	0	0			
Weir issues	Privately owner weir repaired in 2008	0	0			
Mailing, legal and administrative	Mailing and administrative costs Legal fees associated with our SAD West Bloomfield admin fee	\$100 \$500 0	169.18 7622.53 1434.00	\$175 \$7,500 \$1,434	\$175 \$7,500 \$1840	\$175 \$7,500 \$2050
Dredging	. Estates dredging tabled.	\$0	0			
Web site	Continue development.	\$200	0			\$200
Subtotal		\$100,270	107,734.03	\$74,559	\$102,303	\$113,555
Rebuild SAD fund	2013 (\$0). Should be 10-15%	(20,594)	(32,306.61)	\$5,066	\$6,000	\$6,000
Contingency	To cover unforeseen expenses	\$0				
TOTAL		\$79,676	75427.42	\$79,625	\$108,303	\$119,555
Anticipated fee	Riparian fee (Off lake fee is 25%)	389.14	389.14	389.14	\$524.07	\$579.02

Notes: My calculations of assessments are based on 819 units. One unit is the lake privilege assessment, 4 units is the lake or canal lot assessment. There are 168 lake and canal lots, 3 that pay 0.33 units each and 143 others with lake privileges. \$389.14 fee creates \$79,676 less WB 1.8% fee 1,434= \$78,242 net. The contingency by statute should be between 10 to 15%.

Proposed Program	Riparian	Off Lake	Percent Increase
Same Fee:	\$389.14	\$97.28	0%
Economy Fee:	\$528.95	\$132.24	35.9%
Same Program Fee:	\$583.91	\$145.98	50.1%

Upper Long Lake Management Committee 2013 DRAFT Plan Worksheet

Year 2013 Plan	Situation	DRAFT Plan
Weed Harvest Cuttings	Macrophytes dominant. Algae periodically in lake, more in canals.	Three lake/canal harvests. Harvesting (approximate) dates May 13 – May 22 , June 20 – July 2 and September 3 – September 16. Each canal may need extra harvest.
Selective Chemical Treatments for algae in the canals and exotic submergent plants wherever. Lake cannot be treated for algae.	Canals and selected areas may need special attention due to shallow water and the outbreak of Phragmites. No full lake chemical treatments needed at this time. Canals need periodic treatment for filamentous algae.	Copper Sulfate for filamentous algae in canals. Green flagellate algae cannot be treated anywhere. Duckweed is very hard to control chemically. Selected lake/canal weed treatment for exotics only. Monitor mixed feedback (pro vs. anti chemical). Subdivision canal contacts are: Mike West for Estates, Dennis Park and Hamid Banoooni for the Shores and Steve George for Woods. Phragmites to be controlled this year and years to come.
Goose Roundup	Geese sometimes reach problem proportions.	Continue egg removal and roundup. Egg removal and roundup program did work well in 2012. In 2013 we will plan for both.
Water Testing/consultant Study	Two proposals for water quality tests were reviewed in 2012, but no hiring due to low budget. Competitive biddings for harvesting are overdue. Also ULLE requires a study to evaluate alternatives to harvesting and other sites other than lot 64.	Work with Bloomfield Township to restart FLOW group. Volunteers to take Secchi disc readings and chemical samples to local labs. Lake Management taking on several studies this year in cooperation with MLSA Cooperative Lakes Monitoring Program: Secchi Disk Transparency; Summer Total Phosphorus; Exotic Aquatic Plant Watch. . Conduct e-coli testing for 3 swimming areas (volunteers needed). This year we will hire a consultant to do competitive bidding for harvesting and evaluate harvest sites and harvesting alternatives
Zebra Mussel Testing	Imported on hoist in 2009.	Ron Cousineau found one on his hoist in 2012.
Fishing	2001 study available. . Several residents asked if our fish are safe to eat.	No study for eating safety due to low budget. Residents are encouraged to visit our website to review the 2011-2012 <u>Michigan Fish Advisory</u> . Our site is www.upperlonglake.com .
Safety	Periodic reports of unauthorized boats on lake and unsafe driving.	Periodic reminders by concerned boaters help keep it safe for everyone. Skiers to monitor power boating problems in fishing areas.
Estate's launch site.	Shallow water in Estates .	Encourage dredging at subdivision expense. Pay 1/3 for road repair.
Watershed lawn care	Nitrogen and Phosphorus readings are high.	Be more proactive. Get a clear message out to all in watershed. Encourage enforcement of township fertilizer ordinance.
Lake access issues	Agreements in place for all subdivisions to allow legal access to the lake.	Committee to continue to monitor issue. Subdivisions to enforce access rules. Shores and Wabeek lake boaters may have clearance issues with bridge. Affected residents to contact Estates or Woods.
Channel between lakes	Shallow water is a concern.	Harvest between lakes during high water.
Watershed plan	FLOW committee is inactive.	Try to reactivate FLOW group.
Join MLSA	Whole lake is enrolled.	Join as a group.
Riparian Magazine	Good information	Provide to all management committee representatives.
Pay Estate's ramp SAD 288 Assessment.	SAD 288 paid for Estate's ramp assessment fees.	Per Estate's requirements in "Memo of Understanding" Lake Board is to pay.
Pay harvester access fees at Wood's ramp.	Wood's subdivision now charges fees per usage.	Launch fee is \$100 per launch (either in or out). We harvest three times a year with about 5 harvesters.
Investigate insurance for committee.	Litigation issues in several subdivisions.	Check by laws for appropriate language. Seek coverage from respective subdivisions. Research ML&SA for suggestions.
Weir issues	Weir needs repair and management agreement.	Privately owned weir. Maintain weir. Lower gate freezes in place and needs auxiliary tools and weir needs different grease.
Mailing, legal and admin.	Legal costs very high due to "access" agreements.	SAD to pay for mailing, newspaper announcements, legal fees and administrative expenses.
Dredging	Shores and Woods complete. Estates tabled.	SAD not allowed to contribute. Estates project tabled at Lake Board. Estates investigating through subdivision..
Web site	www.upperlonglake.com	Develop web site and consolidate more data.
Annual fees	About the same for 10 years	Due to added costs fees need to increase in 2013.

UPPER LONG LAKE HARVESTING HISTORY

Year	Contractor (#extra canal hvst days)	Tonnage				Max # of Harvesters				# of Work Days (Includes canal only harvests)				Cost \$(000)	Average # work days	Harvest Location	Launch Location
		1st	2nd	3 rd	Total	1 st	2nd	3rd	Ave	1st	2nd	3rd	Total				
1976	Oak Cty Drain															Estates B	Estates B
1977	Oak Cty Drain															Estates B	Estates B
1978	Inland															Estates B	Estates B
1979	Inland															Estates B	Estates B
1980	Maney, Norm															Estates B	Estates B
1981	?															?	?
1982	?															?	?
1983	?															?	?
1984	Wittbold													24.0		Estates C	Estates C
1985	Wittbold													24.0		Estates C	Estates C
1986	Wittbold													26.0		Estates C	Estates C
1987	Wittbold													26.0		Estates C	Estates C
1988	Wittbold	126	151		277	6	5		5.5	9	10		19.0	26.0	9.5	Estates C	Estates C
1989	Wittbold	206	113		319	5	6		5.5	8	7		15.0	26.0	7.5	Estates C	Estates C
1990	Wittbold	227	111		338	5	4		4.5	16	14		30.0	29.0	15.0	Estates C	Estates C
1991	Wittbold	307	197		504	6	6		6	13	10		23.0	29.0	11.5	Estates C	Estates C
1992	Wittbold	143	172		315	7	5		6	9	5		14.0	32.0	7.0	Estates C	Estates C
1993	Wittbold	143	105		248	5	4		4.5	9	6		15.0	32.0	7.5	Estates C	Estates C
1994	Wittbold	197			197	5			5	10			10.0	20.0	10.0	Estates C	Estates C
1995	Wittbold	97	145		242	6	6		6	7	6		13.0	32.0	6.5	Estates C	Estates C
1996	Wittbold	231			231	6			6	6			6.0	16.0	6.0	Estates C	Estates C
1997	Wittbold	155			155	5			5	8			8.0	18.0	8.0	Estates C	Estates C
1998	Wittbold	46	226		272	4	4		4	6	6		12.0	32.0	6.0	Estates C	Estates C
1999	Wittbold	84	223		307	4	4		4	6	6		12.0	32.0	6.0	Estates C	Estates C
2000	Wittbold	105			105	4			4	6			6.0	17.0	6.0	Estates C	Estates C
2001	Wittbold	76	179	214	469	5	5	5	5	6	7	7	20.0	42.8	6.7	Estates C	Estates C
2002	Wittbold	44	63	218	325	4	5	4	4.33	6	6	6	18.0	42.5	6.0	Estates C	Estates C
2003	Wittbold	34	113	193	340	5	5	5	5	5	7	6	18.0	48.3	6.0	Estates C	Woods
2004	Inland	190	280	230	700	5	4	5	4.67	10	10	10	30.0	48.9	10.0	Estates C	Woods
2005	Inland	195	285	530	1010	5	5	4	4.67	6	7	11	24.0	52.8	8.0	Estates C	Woods

2006	Inland (6)	176	420	273	869	5	5	5	5	16	8	8	32.0	56.3	10.7	Estates C	Woods
2007	Inland (8)	414	420	220	1054	5	5	5	5	11	10	14	35.0	64.2	11.7	Estates C	Woods
2008	Inland (8)	341	584	462	1387	5	4	4	4.33	18	11	11	40.0	67.0	13.3	Estates C	Woods
2009	Inland (8)	248	540	512	1300	4	4	5	4.33	17	10	7	34.0	71.1	11.3	Estates C	Woods
2010	Inland (12)	448	380	312	1140	5	4	4	4.33	16	10	12	38.0	64.3	12.7	Estates C	Woods
2011	Inland	202	325	485	1012	5	5	5	5	10	8	10	28.0	70.2	9.3	Estates C	Woods
2012	Inland (5)	336	420	340	1096	6	5	5	5.33	12	8	9	29.0	79.4	9.7	Estates C	Woods
	Wittbold's average number of days from 1988 through 2003												7.7				
	Wittbold's average number of days from 1998 through 2003												6.1				
	Inland's ave. # of days from 2003-2012 (includes 47 days of canal only harvests)												10.7				
	Inland's ave. # of days from 2003 - 2012 (less 47 days for canal only harvests)												9.0	17% more than 7.7 days			
	Wittbold's average yearly tonnage from 1988 through 2003												290.3				
	Inland's average yearly from 2004 through 2012												1063.1	366% more tonnage			
	Wittbold averaged 5 harvesters per harvest																
	Wittbold averaged 1.94 harvests per year																
	Inland averaged 4.7 harvesters per harvest																
	Inland averaged 3 harvests per year																
	Wittbold averaged \$102.20 per ton harvested																
	Inland averaged \$60.01 per ton harvested																

Upper Long Lake Management Committee 2013 Proposed Budget

Year 2013 Plan	Description	2012 Actual	2013 Budget
Weed Harvest Cuttings	Lake @ \$22,500 Extra canal A \$3500/canal 6 Canal Grooming @ \$1500/canal	67,044.00 3,500 9,000	\$67,500 \$3,500 \$9,000
Selective Chemical Treatments for algae in the canals and exotic submergent plants wherever. Lake cannot be treated for algae. Treat at least 24 sites for phragmites	Filamentous algae in canals. Selected lake/canal weed treatment Chemical - Shores for weeds / algae. Annual Permit Fee. Phragmites control in wetlands. Wetland permit from West Bloomfield	0 3525.00 800.00 12267.18 0	\$700 \$3600 \$800 \$12,500 0
Goose Roundup	Egg removal program and roundup	790.00	\$800
ML&SA CLMP E-Coli Study Water contamination	CLMP E-coli fees at Oak Cty Health Dept. Water contamination benchmark Hiring a consultant for competitive harvesting bidding.	0 0 0 0	\$130 \$200 \$200 \$400
Zebra Mussel Testing	Monitor	0	
Fishing	Fish safety for human consumption	0	
Safety	Provide safety laws and rules to boaters unfamiliar with them.	0	\$100
ULLE launch site.	Board's 1/3 share of driveway repair	0	\$800
Watershed lawn care	Be more proactive	0	
Lake access issues	Encourage subdivisions to monitor.	0	
Waterway between lakes	Permanent solution for sign that is vandal proof in 2014 Budget.	0	\$0
Watershed plan	Try to resurrect FLOW group.	0	0
Join MLSA	Join as a lake group. Send reps. to ML&SA annual meeting	150.00 677.00	150 \$550
Riparian magazine	Subscribe to Riparian for each.	0	\$100
Pay ULLE ramp fee	Pay SAD 288 Assessment	389.14	\$640
Launch fees for Mallard Court	\$100 per launch.	1800.00	\$2400
Insurance	Insurance by member's subdivision	0	0
Weir Issues	Privately owner weir repaired in 2008	0	0
Mailing, legal and administrative	Mailing and administrative costs Legal fees associated with our SAD West Bloomfield admin fee	169.18 7622.53 1434.00	\$175 \$7,500 \$2400
Dredging	Estates dredging tabled. ULLE investigation alternatives.	0	0
Web site	Continue development.	0	\$200
Subtotal		107,734.03	\$114,345
Rebuild SAD fund	March 2013 (\$0). Should be 10-15% per statutory reqts.	(32,306.61)	\$16,695
Contingency	To cover unforeseen expenses.	0	0
TOTAL		75427.42	\$131,040
Anticipated ASSESSMENT	Riparian fee (Off lake fee is 25% of riparian fee)	389.14	\$640.00

Notes: My calculations of assessments are based on 819 units. One unit is the lake privilege assessment, 4 units is the lake or canal lot assessment. There are 168 lake and canal lots, 3 that pay 0.33 units each and 143 others with lake privileges.

\$640 fee creates \$114,345 less WB 1.8% fee\$ 2,400= \$111,945 net.

The contingency by statute should be between 10 to 15% over the two year project (2 year project equals \$228,690 and 10% is \$22,869 and 15% is \$33,293).

Upper Long Lake Management Committee 2013 Proposed Plan

Year 2013 Plan	Situation	Plan
Weed Harvest Cuttings. Average about 1000 tons for three harvests.	Lake weeds grow to surface in about 6 weeks. ULLE canal grows faster due to low water.	Three lake/canal harvests. Harvesting (approximate) dates May 13 – May 22 , June 20 – July 2 and September 3 – September 16. Shores needs extra harvest. 6 canal trimming.
Selective Chemical Treatments for algae in the canals and exotic submergent plants wherever. Lake cannot be treated for algae. 2012 phragmites treatment in 24 sites.	Canals and selected areas may need special attention due to shallow water and the outbreak of Phragmites. No full lake chemical treatments needed at this time. Canals need periodic treatment for filamentous algae.	Copper Sulfate for filamentous algae in canals. Green flagellate algae cannot be treated anywhere. Duckweed is very hard to control chemically. Selected lake/canal weed treatment for exotics only. Monitor mixed feedback (pro vs. anti chemical). Subdivision canal contacts are: Mike West for Estates, Dennis Park and Hamid Banooni for the Shores and Steve George for Woods. Phragmites to be controlled this year and years to come.
Goose Roundup	Geese sometimes reach problem proportions.	Continue egg removal and roundup. Egg removal and roundup program did work well in 2012. In 2013 we will plan for both.
Water Testing/consultant Study. Including CLMP, e-coli testing, water contamination and harvesting contractor bids.	ULLE requires a study to evaluate alternatives to harvesting and other sites other than lot 64. In 2012 we had four competitive bids for harvesting solicited by the management committee. Inland awarded contract. To eliminate any bias an independent to get bids.	Work with Bloomfield Township to restart FLOW group. Volunteers to take Secchi disc readings and chemical samples to local labs. Lake Management taking on joining MLSA Cooperative Lakes Monitoring Program: Secchi Disk Transparency; Summer Total Phosphorus; Exotic Aquatic Plant Watch. Conduct e-coli testing for 3 swimming areas (volunteers needed). Water contamination benchmark for potential issues related to fracking. Hire consultant to do competitive bids for weed harvesting. Alternate harvesting site study is not in 2013 budget.
Zebra Mussel Testing	Imported on hoist in 2009.	Ron Cousineau found one on his hoist in 2012.
Fishing	2001 study available. . Several residents asked if our fish are safe to eat.	No study for eating safety due to low budget. Residents are encouraged to visit our website to review the 2011-2012 <u>Michigan Fish Advisory</u> . Our site is www.upperlonglake.com .
Safety	Periodic reports of unauthorized boats on lake and unsafe driving.	Periodic reminders by concerned boaters help keep it safe for everyone. Skiers to monitor power boating problems in fishing areas. Copies of rules to be available for distribution.
Estate's launch site.	Shallow water in Estates canal. Hole in road was repaired.	Encourage dredging at subdivision expense. Pay 1/3 for road repair which was done in 2012.
Watershed lawn care	Nitrogen and Phosphorus readings are high.	Be more proactive. Get a clear message out to all in watershed. Encourage enforcement of township fertilizer ordinance.
Lake access issues	Agreements in place for all subdivisions to allow legal access to the lake.	Committee to continue to monitor issue. Subdivisions to enforce access rules. Shores and Wabeek lake boaters may have clearance issues with bridge. Affected residents to contact Estates or Woods.
Channel between lakes	Shallow water is a concern.	Harvest between lakes during high water. No sign in 2013 budget.
Watershed plan	FLOW committee is inactive.	Try to reactivate FLOW group.
Join MLSA	Whole lake is enrolled.	Join as a group. Send several representatives to annual conference.
Riparian Magazine	Good information	Subscribe for all management committee representatives.
Pay Estate's ramp SAD 288 Assessment.	SAD 288 paid for Estate's ramp assessment fees.	Per Estate's requirements in "Agreement Document" Lake Board is to pay.
Pay harvester access fees at Wood's ramp.	Wood's subdivision now charges fees per usage.	Launch fee is \$100 per launch (either in or out). We harvest three times a year with 4 or 5 harvesters.
Investigate insurance for committee.	Litigation issues in several subdivisions.	Check by laws for appropriate language. Seek coverage from respective subdivisions. Research ML&SA for suggestions.
Weir issues	Weir repaired in 2008. Managed by volunteers.	Privately owned weir. Maintain weir. Lower gate freezes in place and needs auxiliary tools and weir needs different grease.
Mailing, legal and admin.	Legal costs very high due to "access" agreements.	SAD to pay for mailing, newspaper announcements, legal fees and administrative expenses.
Dredging	Shores and Woods complete. Estates tabled.	SAD not allowed to contribute. Estates project tabled at Lake Board. Estates investigating through subdivision..
Web site	www.upperlonglake.com	Develop web site and consolidate more data.
Annual fees	Same for 10 years.	Due to added costs assessments need to increase in 2013.

UPPER LONG LAKE MANAGEMENT COMMITTEE
April 2013

UPPER LONG LAKE ESTATES (ULLE) AND ULLE#1

Ron Cousineau, 1875 Long Point, Bloomfield Hills, 48302 (rjcousineau@aol.com) 335-8353
 Mike West, 1855 Long Pointe Dr. Bloomfield Hills 48302 (mww1855@yahoo.com) 334-9684
 Alternates:
 Roger Cobb, 1807 Long Point, Bloomfield Hills, 48302 (rcobb1930@aol.com) 335-3781
 Consultant:
 Eric Gleisner, 2585 Robindale, Bloomfield Hills, 48302 (inlandlakes123@aol.com) 334-9134
 Eric fax 248-253-7275, cell 248-789-8223

UPPER LONG LAKE SHORES

Dennis Park 1954 Long Lake Shores Dr., Bloomfield Hills, 48302 (dennisapark@hotmail.com) 672-6006
 Dr. Hamid Banooni, 1971 Long Lake Shores Dr., B. Hills, 48302 (hbannoon@comcast.net) 335-7251
 Alternates:
 Howard Crumit, 1989 Long Lake Shore Dr., Bloomfield Hills, 48302 (caonlind@msn.com) 334-7523
 Paul Carrick, 1970 Long Lake Shores Dr., Bloomfield Hills 48302 (paully63@aol.com) 334-0431

UPPER LONG LAKE RIDGE

UPPER LONG LAKE WOODS

Steve George, 2725 Middlebelt, West Bloomfield 48323 (stephengeorge100@att.net) (cell 535-0444)
 334-4522
 Jim Whalen, 2649 Middlebelt, West Bloomfield 48323 (jimjwhalen@gmail.com) 333-0414
 Alternates:
 Chris Bonde, 2289 Oakway Dr., West Bloomfield 48324 (cbonde@tsrc.com) 318-0202
 Vince Alessi, 2331 Oakway Dr., West Bloomfield, 48324 (valessi1@yahoo.com) 332-7921
 Terry Fiscus, 2435 Uplong, West Bloomfield, 48324 (terry.fiscus@roi-1.com) 332-1947
 Mike McGregor, 2351 Acorn Ct., West Bloomfield, 48324 (clanmcgregor1995@gmail.com) 335-2434

TURTLE LAKE FARMS

John Samani, Turtle Lake Drive, Bloomfield Hills, 48302 (jsamani@comcast.net) 373-7600
 Steve Almany, 2753 Turtle Lake Drive, Bloomfield Hills, 48302 (slalmany@aol.com) 338-6113
 Alternates:
 Jamey Denno, 2601 Cambridge Ct. Suite 310, Auburn Hills, MI 48326 (jdenno@victorintl.com) 364-2468

HERON BAY

Joel Dorfman, 838 W. Long Lake, Bloomfield Hills, (jd@northstarparkers.biz) 593-1442
 Mike Losh, 1711 Heron Ridge, Bloomfield Hills, 48302 (jml_cfo@yahoo.com)
 Alternate:

WABEEK FOUR AND WABEEK MANOR

Don Johnson, 1726 Morningside Way, Bloomfield Hills, 48302 (djohn334@aol.com) 322-9115
 Amit Bhan, 3398 Indian Summer Drive, Bloomfield Hills 48302. (abhan1@me.com) 683-9047

UPPER LONG LAKE MANAGEMENT COMMITTEE
SUBCOMMITTEE MEMBERSHIP AS OF APRIL 2013

ADMINISTRATION

Ron Cousineau, Chair

Steve George

Terry Fiscus

- Weed control contracts
- DNR/Townships coordination
- Evaluations and statistics

LAKE ACCESS

Jim Whalen, Chair

Joel Dorfman

Steve George

Mike West

Dennis Park

- Launch site control
- Unauthorized access(boating, fishing) all year
- Enforcement by Township, County, State

EDUCATION AND ASSOCIATION COOPERATION

Eric Gleisner, chair

- Coordination of all associations
- Communication to all associations
- Getting representation from all associations
- Web site

SAFETY

Steve George, chair

Jim Whalen

- Rules, laws
- Enforcement by Township, County, State

WATER QUALITY/ENVIRONMENT

Steve George and Jim Whalen, chair and Woods canal rep

Hamid Banooni and Dennis Park, Shores canal rep

MikeWest, Estates canal rep

Ron Cousineau

- Lake testing
- Watershed impact
- Delegate to Michigan Lakes & Streams, and other organizations

WILDLIFE

Steve George, chair

Eric Gleisner

- Control of geese, ducks, swans and other wildlife
- Fish issues
- Frog Survey

LAKE LEVEL

Ron Cousineau, chair

Roger Cobb

Jim Whalen

- Lake level issues including managing the weir
- Rain monitoring
-

Water Safety on Upper Long Lake

To promote safe and responsible boating on Upper Long Lake, the Safety Committee of Upper Long Lake has summarized key elements of the law and guidelines from the Department of Natural Resources & Environment's booklet, "**Handbook of Michigan Boating Laws & Responsibility**" (for full brochure: www.boat-ed.com/mi/handbook/index.htm)

Although an Upper Long Lake Patrol has been formed to encourage water safety and responsibility by advising offenders about the law, it is *everyone's* responsibility to know and abide by the state laws and common courtesy. **IT IS ESPECIALLY IMPORTANT TO REVIEW THESE LAWS AND RECOMMENDATIONS WITH BEGINNING BOATERS AND YOUR GUESTS.**

Have a safe and fun water sports season on Upper Long Lake!!

Rights to Operate Boats:

1. **State Registration:** All power boats (including jet skis) and sailboats of 12 feet or longer, as well as rowboats of over 16 feet, must be registered with the State of Michigan.
2. **Lake Registration:** Upper Long Lake's Associations require all boats to be registered with respective subdivision associations to assure control of boat population.

Usage of Boats

1. **Because this is a private lake, only land owners may have permanent watercraft on the lake.** These watercraft should only be used by the deeded property owner and their immediate family, domestic servants and **day** guests.
2. Upper Long Lake Property owners can allow access for guest's watercraft but these boats may only be operated on a day use basis from sunrise to sunset. Watercraft that are not owned by ULL property owners are not allowed to be moored or docked overnight.
3. We have also had problems with marinas that have keys to some of the launches on the lake and they are sneaking non owner boats on the lake.

Invasive Species

Residents are asked to take great care to inspect all watercraft, docks, hoists, etc. for zebra mussels and other invasive species. This is especially important if these items are coming from another body of water. Please take all the necessary precautions to inspect and sanitize any of these items thoroughly.

Lake Boat Launch Access

There are only three launches on the lake, located in Upper Long Lake Woods, Upper Long Lake Shores and Upper Long Lake Estates. If you don't live in one of these subdivisions, you can contact the individual subdivision association for access privileges. There is usually an annual fee for this service

Swimming:

1. **Swimming Areas:** Swimming is allowed only in designated swimming areas – by subdivision rafts, within authorized swimming buoys; with 100 feet of shore; and within 100 feet of an anchored boat.
2. **Swimming Supervision:** Children under ten should be supervised by a competent adult or responsible older swimmer. It is unwise for **anyone** to swim alone.

Motor Boat Rules of Operation (Includes jet skis):

1. Don't Overload Boats.
2. Be In Control: A person under the influence of alcohol, or a controlled substance, shall not operate a boat.
3. Drive Safely: Drive so as not to interfere with the lawful use of the lake by others.
4. Speed: Due to lake size and boating population, the maximum speed unit is 36 MPH during daylight hours. A maximum speed from dusk to dawn is 7 MPH.
5. Jet Skis: Since jet skis do not have lights, and must go faster than 7 MPH, it is unlawful to operate them from dusk to dawn. You must be over 14 years old and have a boating certificate to operate a jet ski. Under 14, you must be accompanied by an adult. See State of Michigan Boating Handbook for details.
6. Be Mature Enough: Boat drivers less than 16 years old must be accompanied by at least one person 16 years or older, unless they are at least 12 years old and have a Department of Natural Resources Boating Safety Certificate. (See state of Michigan Boating Handbook).
7. Drive Counter-Clockwise around the lake!!!
8. 100 Foot Rule: Drive and ski to maintain a safe distance of 100 feet from all person and property (swimmers, rafts, fishing boats at anchor) except a "slow – no wake speed."
9. Right of Way:
 - a. Slower boat traffic should stay closer to shore
 - b. Overtaking – Pass to port (left) of slower boat.
 - c. Sailboats and Unpowered Boats – These have right of way over motorboats.
10. Accidents: In case of accident involving \$100 or more damage, report details to the owner of the damaged property immediately, and within five days, to the Oakland County Sheriff's Department, Marine Division at (248) 391-0256. Additionally, if injury is involved, render reasonable assistance to the victim.
11. Water Ski Rules (Tubing, Kneeboarding, Wakebaording etc.):
 - a. Ski Safely - Ski in a manner that does not endanger any person or property.
 - b. Hours Permitted - By law, you may ski one hour before sunrise through one hour after sunset. **However**, courtesy suggests that you start no earlier than 8:00 a.m., or when light conditions allow good visibility, and lakeside neighbors are probably awake.
 - c. Observer – At least one competent observer needs to accompany the driver.
 - d. Mirror – All ski boats must have at least a 170-degree wide-angle mirror to assist driver in observing skier.
 - e. Overtaking Rule – Remember that slower boats should stay closer to shore, and the overtaking passes on the port (left) side of the slower boat.
 - f. Wakeboard boats often have larger wakes than runabouts, especially when using the optional ballasts and other wake enhancing options of these boats. Please be aware of your wake especially in close proximity to canoes, kayaks and other small watercraft. Shoreline erosion is an ongoing problem on our small lake. Again, common courtesy would dictate proper operation of boats that produce large wakes.

12. Additional Ski Course Permit Provisions: (See separate brochure for ski club rules)

- a. It is open to the general public. If you use it often, consider joining the Upper Long Lake Association Ski Club, and help pay for its upkeep. The permit is held by Stephen George, 248-535-0444.
- b. The ski course should only be used when no other boats are on the lake, usually in the morning hours. It has been a common practice for over 30 years that skiers take turns using the course to assure calm water for all skiers. If someone comes out and wants to wakeboard and/or jet ski, courtesy would suggest that these people talk to each other and share the lake in an appropriate manner. If more than 2 boats are on the lake at the same time, it would not be advisable to use the ski course.
- c. It is unlawful to moor or fasten a boat to a lawfully-placed buoy, or to remove or damage such a buoy. If you accidentally damage a water ski buoy, make restitution to the Upper Long Lake Association Ski Club. If you damage a ski buoy, contact the Ski Club, Jim Whalen, 248-333-0414.

Scuba Diving and Snorkeling:

1. Scuba diving and/or snorkeling are not recommended in such a small lake except within 100 feet of shore.
2. When scuba diving, place diver's flag (red rectangle with a diagonal white stripe) at center of dive on buoy. Divers must stay within 100 feet of flag. Boaters must stay at least 100 feet from the flag.

Liability:

Registered owner will be liable for all personal or property damage occasioned by the negligent operation of his/her watercraft (personal injury, shoreline damage, property damage) by anyone.

Required Safety Equipment: (See Michigan Boating Handbook for Complete Rules)

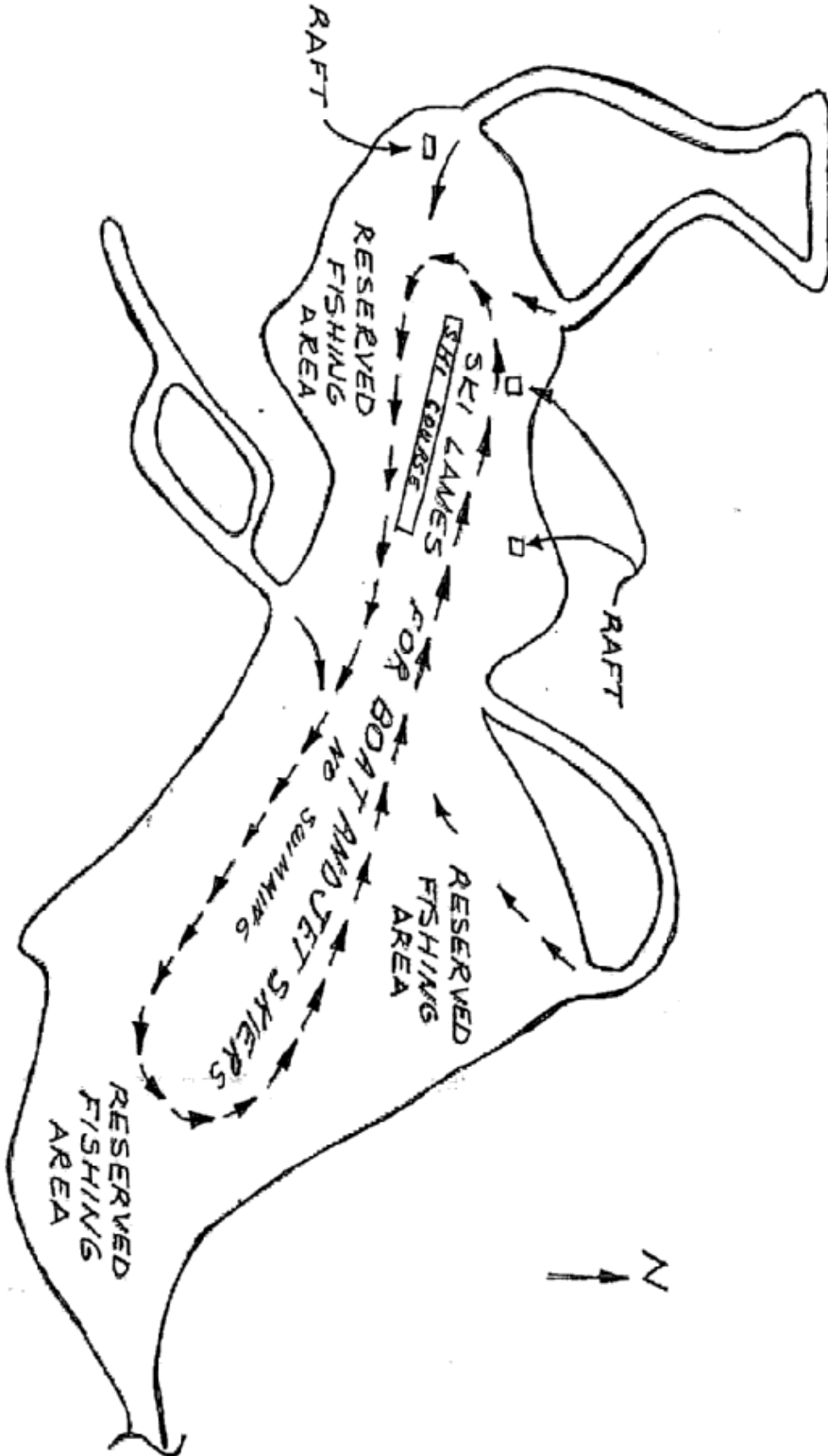
1. All Boats: One accessible Type I, II or III personal flotation device (PFD) is required for every person on board. You are required to have one life jacket for each person on board your watercraft.....and they must be of appropriate size to fit the passengers on board each specific watercraft.
2. All Boats 16 Feet or Longer:
 - a. One throw able Type IV PFD is required in addition to one PFD for each person.
 - b. One handheld mouth whistle or power horn, capable of being heard for ½ mile is required.
3. Motorboats Less Than 26 Feet:
 - a. One Type B-1 (2 lbs. of dry chemical) fire extinguisher is required.
 - b. One white light aft, and a combination red port and green for starboard light on the bow, visible when operating between sunset and sunrise, are required.
 - c. A muffler that assures noise emissions lower than 86 decibels (similar to the noise of a passenger car at the same speed) is required.
4. Non-Powered Boats (Canoes, Rowboats, and Sailboats): One white light lantern, when on lake between sunset and sunrise, is required.
5. Inboard Motorboats: Must have a backfire flame arrester.

Fishing:

1. Respect fishing boats. Keep as much distance from them as possible, at least 100 ft.
2. Skiers are to stay out of reserved fishing areas when fisherman are present, and stay in the ski lanes.
3. Fishing boats are to stay out of ski lanes on heavy traffic days. Reserved fishing areas are designated on the attached map.

UPPER LONG LAKE SAFETY MAP

Residents and Guests must be aware of and follow all rules



1. No Swimming in Ski Lanes
2. Do Not Drive Boat Against Traffic
3. Stay 100' from Rafts and Skiers