

LAKE ARROWHEAD OPEN BOARD MEETING **Monday, August 13, 2007**

Present: Pete Rand, Paul Dean, Robin Bachman, Bob Seijas, Kevin Williams, Vlad Penkrat

Absent: Michael Bertram, Barb Kane, Chris Brindle, Mark Stein, Rehana Flessner

The meeting began at 7:40 by Pete Rand.

Guest Speaker – Brian Genossie of Allied Biological:

Allied Biological is the lake management company working to maintain our lake. This has been a difficult year; we've had hot weather and periods of limited rain water. Our major issue this year is filamentous algae. We have been trying to control it with copper treatments. Nutrients are a major issue in this lake. The lake does not have a lot of active vascular plant growth which would compete with algae. We do have excellent water clarity.

We have treated the 3rd lake for certain plants, watermeal and duckweed. This has been effective in improving the quality of this lake.

A new resident asked why there is the perception that the condition of the lake is the worst it's been. Are there any specific reasons causing this?

One issue is the geese. This is a large problem in adding nutrients to the lake. Another issue is phosphorous in fertilizer – lawns and vegetable gardens near the water edge. There are lake-side fertilizers that would not harm the lake. Leaves are another issue. That is why we are discussing hydraraking; this will improve water depth and remove this organic debris. Because we are hoping to implement this project in the fall; we did not do another alum treatment which would have nullified the alum treatment.

A member asked if the algae could be becoming resistant to the treatments. Allied has never heard of algae resistance. Another member asked if they had a comparable example of a lake of this size that was a success story. There was no comparable example of similar lakes – size, depth, spring fed, etc. Another member asked about light-blocking dye. This may be a suggestion for this lake. Another question was raised about hydraraking – what will it actually do in terms of improving depth? We believe it will improve in the cove areas and it will definitely remove nutrients. It was also questioned whether we are using too many chemicals in the lake. We believe our condition has been caused by changing composition of the lake, not too many chemicals. The possibility of mechanical removal was also raised; this has been done in the past. There is a mechanical barge with a large conveyor but it's a very expensive option. It would be a good project if residents would volunteer.

Peter Rand and Bob Seijas have recently patrolled the lake and measured the areas where there is significant leaf accumulation. The areas are near 72 Lakewood, near the public docks, behind Bronie Parkins property, and the cove along Mosswood. The hydraraking project would use a pontoon boat with a clam shell to remove material. We need to determine where to off-load and what to do with the material. Some could be added to the berm but probably only a small part of the total removed material.

It is suggested that we combine 6 foot depth and a dye in the water. Perhaps we should stop treating weeds in some areas.

It was commented that 13 years ago we had septic emptying in the lake, now we have sewers. We've annihilated all of the plant life in the lake and we're over-treating it. The water is too clear allowing too much sunlight and creating a better environment for algae. We've also gotten rid of all the weeds. We should have only treated the weeds where we needed to.

We need a long range plan to allow the lake to recover. Treating algae and removing leaves are only parts of the solution.

Allied indicated that the first step would be a baseline analysis of the current water quality. A program would also include a review of the lake's history. All options for the lake would be detailed including costs, pros and cons and would result in a recommendation for ongoing maintenance.

The membership has asked if we will get an overall management proposal for the long term improvement and maintenance of the lake. Shouldn't we consider using our savings reserves to put this plan together? It was suggested that we have not approached this problem correctly. While the leaf removal will help, we should have a complete plan to tackle the entire problem.

Treasurer's: No report available.

Clubhouse:

Air conditioning and the bar refrigeration has been repaired. We've also had repairs on the sinks and faucets.

Grounds:

Thanks to Lin Hackman, Tom Dean and Brett Hackman for cleaning the entranceway to the lake. Tom Dean also donated a dumpster. He and Tom Lacey helped remove all of the old docking material.

Beach:

No report available.

A question was raised as to the costs of our lifeguards.

Bar:

No report available.

Volunteer bartenders are always welcome.

Lakes:

We would like to form a Lakes Committee. Everyone seems to want a long-range plan. Bob has a sign-up sheet for anyone interested in being part of the committee or rseijas@mac.com

It was suggested that we form the Lakes Committee quickly and allow that small group develop a recommendation for the next several months. They will recommend whether we do the leaf removal this year or get a management program underway first.

We are also working through DEP regarding the condition of our dam. Crest Engineering did a study and submitted to the state indicating that our dam is wide enough. We are hoping to receive their agreement.

We did pass our annual inspection that the dam is working properly.

Bob Seijas motioned that \$4000 of club funds be used towards a study and a plan for the lakes; Kevin Williams and several members seconded. 19 yes, 1 no, motion carries.

Recreation:

Hub Lakes Sports are going very well. Horseshoes and table tennis still have 1 week to go. We had a joint swim team for the first time in several years.

Hub Lakes Dinner Dance is October 6 at WML. The first 10 tickets are buy 1, get 1 free. Contact Paul Dean if you are interested in attending.

Membership:

We have 8 new members this year. We are up to 101 families with paid memberships.

It was questioned whether we could have mandatory membership. This is not feasible because it would require voluntary changing of every resident's deed.

Special Events:

An event was held to recognize the lakes 80th anniversary. Cake and a slideshow was available; about 35 members attended.

A 'Hold the Date' has been sent out for the Beach BBQ on 9/8.

Old Business:

No old business.

New Business:

A few members would like to get together to put together a historical committee. John Stanton will organize.

It has been brought to the Boards attention that not everyone is managing their dog waste. Please remind everyone to be courteous and respectful of our property.

At least 4 boats have not been bailed out and are becoming a mosquito problem. If boats are not properly tagged, they risk being removed.

The meeting adjourned at 9:40.

Respectfully submitted,
Robin Bachman