



Lake Shamineau Association Newsletter

Newsletter No. 32

FALL 2017

SHORT LSA, then LSLID annual meetings set for Aug. 26

An abbreviated fall membership meeting of the Lake Shamineau Association (LSA) will be held Saturday, August 26th, followed shortly by the Lake Shamineau Lake Improvement District (LSLID) annual meeting at Lincoln Evangelical Free Church beginning at 9:00 AM.

Please note that this is one week *BEFORE* Labor Day weekend.

Before the meeting begins, property owners can sign in to receive voting materials for the LSLID meeting. Membership volunteers will be on hand for LSA membership renewals as well.

To manage meeting length, there will be strict control of the time allowed per person for open forum in the LSA meeting. It is expected that most concerns will be covered in the LSLID meeting immediately following.

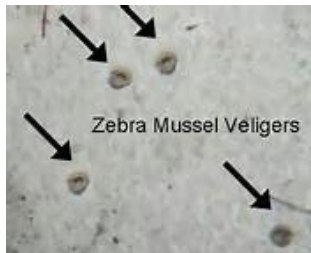
The LSLID business includes voting on the proposed 2018 work plan and the 2018 annual budget. Only riparian property owners will be allowed to vote, one vote per property. Therefore, voters must sign in to verify they represent their property. The sign-in will be organized by the last name of the property owner as recorded in Morrison County. The actual named person can be represented by another (i.e. child of the named owner; a family trust representative).

Lincoln Evangelical Free Church is located 1354 320th Street, Cushing, MN 5644. Thank you to the church for letting the Lake Association use their facility at no cost. 🐾

Zebra mussel veliger sampler volunteers needed

The Lake Shamineau Association is seeking two or three volunteers to take on a zebra mussel veliger monitoring project. Veligers are the microscopic larva of the invasive zebra mussel which is infesting Minnesota waters.

Morrison County is supporting a program of lake monitoring for the veligers by providing training, equipment, and laboratory testing for them. The volunteers would need to take water samples at three designated locations about three times per year and submit the samples. Volunteers Bob Koll, Don Ogilvie, and Ken Maddux went to training and have already done two samplings, but are seeking more volunteers to take over this simple project. Contact Bob Koll (218-296-2933 or robcher45koll@brainerd.net) for more information and easy training. 🐾



Lake Shamineau Association and Lake Improvement District

Fall Meeting

**Saturday, August 26, 2017
Lincoln Evangelical Free Church**

LSA Agenda

9:00 AM

- 1) Pre-Opening – Membership renewals; LSLID property owners sign-in
- 2) Call to order 9:00
- 3) Vice President's Welcome
- 4) Open forum - Time limit: 3 min./person; Total 15 minutes
- 5) Secretary's Report
- 6) *All other reports in Newsletter*
- 7) Volunteers needed to do Zebra Mussel veliger monitoring
- 8) Adjourn

Continue voter sign-in and set up for LSLID

LSLID Agenda

9:30 AM

- 1) Call to order 9:30
- 2) Review of 2017 Projects
- 3) High Water Project Review with Costs and Funding
- 4) Proposed 2018 Work Plan
- 5) Vote on High Water Project Mitigation
- 6) Vote on 2018 Budget
- 7) Vote on setting the LSLID Annual Meeting to follow the LSA meeting on the Saturday of Labor Day weekend
- 8) Other Business
- 9) Adjourn



Lake Shamaineau Association
P.O. Box 152
Motley, MN 56466

<http://minnesotawaters.org/lakeshamaineau>

Mission Statement: The Lake Shamaineau Association is an organization dedicated to lake conservation, to wildlife habitat, to building of community.

Board Members

President: Dave Graning, 763-261-4812
Vice Pres.: Tim Swanson, 651-698-8246
Secretary: Sandy Williams, 651-487-7916
Treasurer: Pat Held, 218-575-2400
Mark Frisk, 218-352-6697
Duane Hendricks, 763-286-6500
Bob Ingle, 612-759-6711
Randy Kevern, 218-575-2844
Don Kirchner, 218-368-9560
Jacquie Rognli, 763-441-7239
Kim Salisbury, 218-575-2097

Committees

Communications: Newsletter & website-
Jacquie Rognli; Secretary-Sandy Williams
Fishing: Rick Rosar
Ice Damage & Jacking: Deryl Ramey, Dale Williams

Membership: Kim Salisbury
Water Quality: Al Doree; Bob Koll
Loons & Wildlife: Diane Schroepfer
Lake Improvement District

Fred Comb, Treasurer, 612-840-0709
Bob Koll, Chair, 218-296-2933
Cindy Kevern, 218-575-2844
Dale Mashuga, 218-575-3040
Rick Rosar, 612-709-6402

Membership

The membership year for the Lake Shamaineau Association is June 1 to May 31. Annual dues are \$20.00. Three-year membership is \$55.00. Non-property owners can join for a \$10.00 associate membership.

Donations

The Lake Shamaineau Association is a 501C3 non-profit institution. Donations and dues are tax deductible with your check as a receipt.

Meetings

Association meetings are held the Saturday of Memorial Day weekend and the Saturday of Labor Day weekend.

Newsletter

The newsletter is published two times a year. Deadlines are July 15 & April 15. Submissions can be sent to Jacquie Rognli, editor at LakeNewsletter@msn.com



Vice President's message

By Tim Swanson, Lake Shamaineau Association Vice President

Greetings to our fellow Shamaineau Lake lovers!

Another gorgeous season is almost over. I hope it has brought as many good memories to you as it has to me. We are all blessed with this marvelous body of water.

But all blessings come with responsibility.

As you all probably know, our lake has some "issues". Aquatic invasive species, historic high water levels, and a slow but sure decrease in water quality and clarity appear to be at the forefront of our concerns.

These problems are not insurmountable. The excellent, tireless work of the various lake association committees and the individuals spearheading them have attacked these problems head on.

But they can't do it alone. We are very happy to see a record number of people attending these bi-annual meetings, and the feedback that we have received from you has been invaluable, but it is not enough. We urge you all to please contact your neighbors and ask them to also get involved. Everyone's input – be it supportive or critical – is welcome. We are all stewards of our lake. Together we can keep it pristine for us and for generations to come. I look forward to seeing you all on August 26th.

Thanks for all your help.

Tim Swanson 🐾



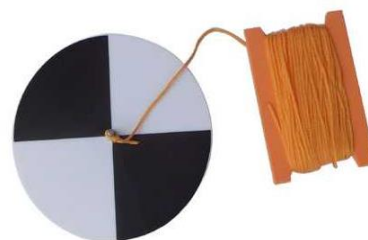
Water quality report

By Al Doree

- Secchi disk in May 17.0 feet.
- No water test in June.
- Secchi disk reading for July was 13.2 feet (note: secchi disk now reads in tenths).
- Lab test results can be found on the RMB Environmental Laboratories website and linked from the LSA website.

Sample Date	Time	Site	Sampler	Lab Code	Data Source	TP ug/L	ChIA ug/L	Secchi Ft.	TSI Phos.	TSI ChlAL	TSI Secchi Ft.	TSI Avg.
<u>05-15-2017</u>	09:30 AM	204	Al Doree, Bob Koll	351182	RMB	11	3.12	17	39	42	36	39
<u>07-17-2017</u>	09:30 AM	204	Al Doree	364485	RMB	10	N/A	13	37	N/A	40	39
Annual Summer Mean						10.5	3.1	15.0	38.0	42.0	38.0	39.0

- Lake level gauge July 24th was 1276.06 feet above sea level. Not much variation this summer.
- Rain:
March - 0.9"
April - 2.8"
May - 3.0"
June - 3.2"
July - 4.48" 🐾



Membership Report as of July 28, 2017

By Kim Salisbury

I hope everyone is having a good summer. I am still learning the ins and outs of how to do this position. Thank you to all and especially the membership captains for their time and patience with me.

Welcome new members. If anyone is still waiting on a sign or even an updated sticker, please let me know and I will try my best to correct it.

At the time of this report, we have had 72 families renew their memberships so far this summer. Thank you! Together we invest in many programs and build a stronger community.

Membership Captains serve each area of the lake and have been a huge help to me and our lake. We had some new volunteers join our team. Thank you and hope many will continue again next year. If you are interested in helping out these volunteers, please let me know. It is a great way to meet your neighbors.

Note: Please do not attach signs to utility poles.

Have a great fall season.

Kim Salisbury

Ph. 218-575-2097

Email: kbsalisbury@gmail.com 🐾

Loons and Wildlife

By Diane Schoepfer

Twenty-two common loons were recorded several times during the summer including a set of twins near the west end boat ramp, two singletons and nine pairs of adults. Nine pairs seems to be about the capacity for Lake Shamineau, although well-placed loon platforms might raise the capacity by a pair or two. High water may be limiting production with waves possibly responsible for washing away several nests where birds had been seen earlier in the spring. Plans to build loon platforms will be made available this winter.

Birds were seen on the beaver pond along West Shamineau Road in April where they had previously bred but no one to date has yet confirmed a breeding there. How loons manage to get their young to Shamineau from this pond is a mystery. Loons are almost helpless on land and the young do not remain on this pond long. Could they actually carry their young in flight the short distance to the main lake? This seems crazy but woodcocks are known to do this. A National Geographic cover for the photographer that documents that event!

Overall it was a fairly good breeding season for most other species. The rare least bittern was again seen flying between bulrush clumps near the west end boat dock and likely bred. Scattered green herons and great blue herons were seen throughout the season. Several broods of mallards were reported and a pair of hooded mergansers nested in a wood duck box on the north end. Wood ducks were seen scattered around the lake and adjacent marshes but I haven't heard of any broods.

Both ospreys and bald eagles were regularly reported by many observers. Much to the chagrin of swallows and other landbirds, merlins bred again in pines on the south side bluffs. Both barn Swallows and eastern phoebes were reported placing nests under boat lifts on the north side away from the marauding merlins. At one north side site phoebes (brownish birds, wagging tail constantly, flycatcher family) lost their first



Male prairie merlin (*F. c. richardsoni*)

two nests to cold weather but successfully raised a third brood in July under a boat lift.

Hummingbirds have been scarce since showing up in late April, then running into cold, wet weather and a lack of food and likely perishing. Reports from farther north in the state were more optimistic so perhaps we will see some migrants soon. The colorful yellow-headed blackbirds again summered in the west end reeds. They are best seen in

May and June but get quiet and secretive by July. A brood of yellow-bellied sapsuckers fledged on the north end after nesting in an aspen. They're the bird responsible for those small sets of horizontal holes seen on birch, aspen, and fruit trees in our area. In cold weather hummingbirds often use these holes to search for insects which are attracted to the leaking sap.

Several warbler species were found along Ridge Road all summer including ovenbirds and American redstarts (the butterfly of the bird world) in the forest and common yellowthroats in the marshes. Pileated woodpeckers were scarce this summer, probably retreating to more remote forested sites to raise their young.

Black bears managed to upstage all other mammals with a sow and cubs reported on the west end and a big boar raiding feeders along Ridge Road. Where does a 350-pound bear take the suet feeders? Anywhere he wants to!

A raccoon and six young delighted animal watchers along the north shore until the feeder's owners got their corn bills. Very young twin fawns were standing on Ridge Road near Camp Shamineau in mid-July, also the scene of a very lost muskrat, searching for a new home perhaps, in early June. A black squirrel was coming to a feeder below Ridge Road in June for a few days. These are melanistic gray squirrels, not a separate species, but supposedly have dominant genes over gray ones so maybe we will see more blacks than grays eventually. No reports of porcupines or opossums.

Report your bird and mammal sightings on the Lake Shamineau Facebook page. 🐾

Communications Report

By Jacquie Rognli, Communications

Unfortunately, LakeShamaineauNewsletter@msn.com email addresses were hijacked by malicious software posing as an attachment sent via DropBox. Attempting to open the link could cause the recipient's contact addresses to also be hijacked. The password to the newsletter's email and security have been updated. My apologies to anyone who suffered damage. Newsletter files are always sent as a link to a file on the Lake Shamaineau Association website. Copies of all past issues and minutes can be found on the web page. Changing your email password is a good idea to secure your account.

Thank you to the 107 property owners who responded to the High-Water Impact Survey, especially the 70 who used the on-line version that made tabulation so much easier. A summary of results can be found on the website. No personal information was shared with the public. It is

apparent that people are concerned about the high-water levels and property owners have spent a great deal of money on repairs. The information gathered from the survey will be a tool for the Lake Shamaineau Lake Improvement District (LSLID) to use for support in planning and securing funding for any mitigation work.

Thanks also to property owners who submitted "Then & Now" photographs demonstrating water level changes. Those photos have been saved to media and printed in an album for the LSLID to use, also. Similarly, no personal information has been shared with the public.

To find Lake Shamaineau news outside of this newsletter, follow the Lake Shamaineau Facebook page <https://www.facebook.com/lake.shamaineau> and the News page on the Lake Association website <http://minnesotawaters.org/lakeshamaineau/news/> Sometimes things come up that are not conducive to timely notification in the newsletter, such as some of the recent LSLID information meetings. 🐾

Ice jacking damage prevention with aeration

By Dale Williams

Aeration System Considerations

My neighbors and I have had an aeration system in operation for the last two winters and we have not experienced any shoreline disruption caused by ice jacking. If you are contemplating installing a pump and aeration lines, I would offer these suggestions.

1. Make your application for a permit early. The Minnesota Department of Natural Resources (DNR) requires an aeration permit on public waters. An annual permit costs \$250. If you apply with adjoining neighbors, you can share the permit but all will be required to be listed on the permit. Marilyn Danks oversees this DNR program. Go to <http://www.dnr.state.mn.us/eco/lakeaeration/index.html> to get information on obtaining a permit. If you are planning a system for this fall, apply now, so you can get authorization before buying the equipment. Renewing the permit is much easier, but the first year takes some time, so start now.
2. The pump is the single most important component of the system – also the most expensive. Our system runs continuously from December 1 thru March 30. A pump manufacturer I know of is GAST. Their local distributor is Midwest Machine Tool Supply, Fridley, MN. Their representative can help with sizing the right pump. Our system is 200 feet long and we use a 1 horse power pump.
3. You may need to hire an electrician if you need a separate circuit or if you elect to install a 220 amp pump. A long wire from the pump to your electrical box is another expense.
4. The lateral lines we use are 10-foot sections of 1 1/4-inch white plastic pipe. We drill an 1/8-inch hole every 16 inches.
5. We support the pipes in small plastic tees made from a 12-inch pipe set in a concrete base which has a 2-inch tee mounted on top. The base is made with forms which I got from a nursery, used for potting plants. The concrete stands are stable in the water and not pushed over very easily by wave action.
6. When the permitted system is operating, you are required to monitor the system throughout the winter, inspecting it every week or so (see DNR website). We keep a calendar in our pump box and record the days of our inspection and make notes about weather, temps, etc. We then have a written record if we need it.
7. The DNR requires permit holders to have \$500,000 liability homeowners insurance. Also, signs must be put up warning winter lake users of open water. Also, public notice must be printed in the official county newspaper informing the public of the operation of an aeration system on the particular location on the lake. These details are on the website.
8. Safety is very important. I've fallen through the ice while inspecting my system in the winter. A life jacket is a good idea. They also make ice prongs that can be used to pull yourself out of the water onto the ice.
9. It seems to me our 200-foot system cost us about \$2500. Annual electrical operating costs are about \$300 plus our annual permit fee of \$250, so each of us pays less than \$200/year. 🐾



Shamaineau's invasives

Eurasian watermilfoil, curlyleaf pondweed and purple loosestrife are non-native invasive species that have been identified in Lake Shamaineau and along the shore.

Most of the 2017 LSLID budget has been spent on Eurasian watermilfoil (EWM) control. There were three pulls done by divers this summer.



Eurasian water milfoil

The lake also has identified areas of Curly-leaf pondweed (*Potamogeton crispus*) and purple loosestrife (*Lythrum salicaria*).

Curly-leaf pondweed



Curly-leaf pondweed

Curly-leaf pondweed is a non-native, invasive submersed aquatic plant that was first observed in Minnesota in about 1910. It is known to be present in more than 750 lakes in 70 of the 87 counties in Minnesota.

In spring, curly-leaf pondweed can interfere with recreational and other uses of lakes and rivers by producing dense mats at the water's surface. Matted curly-leaf pondweed can displace native aquatic plants. In mid-summer, curly-leaf plants usually die, and dying plants accumulate on shorelines.

In Minnesota, Curly-leaf pondweed has caused problems in lakes by producing extensive mats in 3 to 10

feet of water. The plant is often a problem in lakes with low water clarity, mid-summer Secchi depths of three feet or less. Curly-leaf pondweed has not caused extensive problems in all bodies of water where it is established.

Curly-leaf may grow to problem levels in a lake one year, but not the next. This appears to be due to the weather, which can cause variations from year to year in environmental conditions in lakes.

Problems caused by curly-leaf can be managed by treatment with herbicides or mechanical removal of plants.

Curly-leaf is believed to spread from one body of water to another primarily by the unintentional transfer of plant fragments, primarily on trailered boats.

Purple loosestrife



Purple loosestrife

Purple loosestrife is a wetland plant from Europe and Asia. It was introduced into the east coast of North America in the 1800s. First spreading along roads, canals, and drainage ditches, then later distributed as an ornamental, this exotic plant is in 40 states and all Canadian border provinces.

Purple loosestrife invades marshes and lakeshores, replacing cattails and other wetland plants. The plant can form dense, impenetrable stands which are unsuitable as cover, food, or nesting sites for a wide range of native wetland animals including ducks, geese, rails, bitterns, muskrats, frogs, toads, and turtles. Many rare and endangered wetland plants and animals are also at risk.

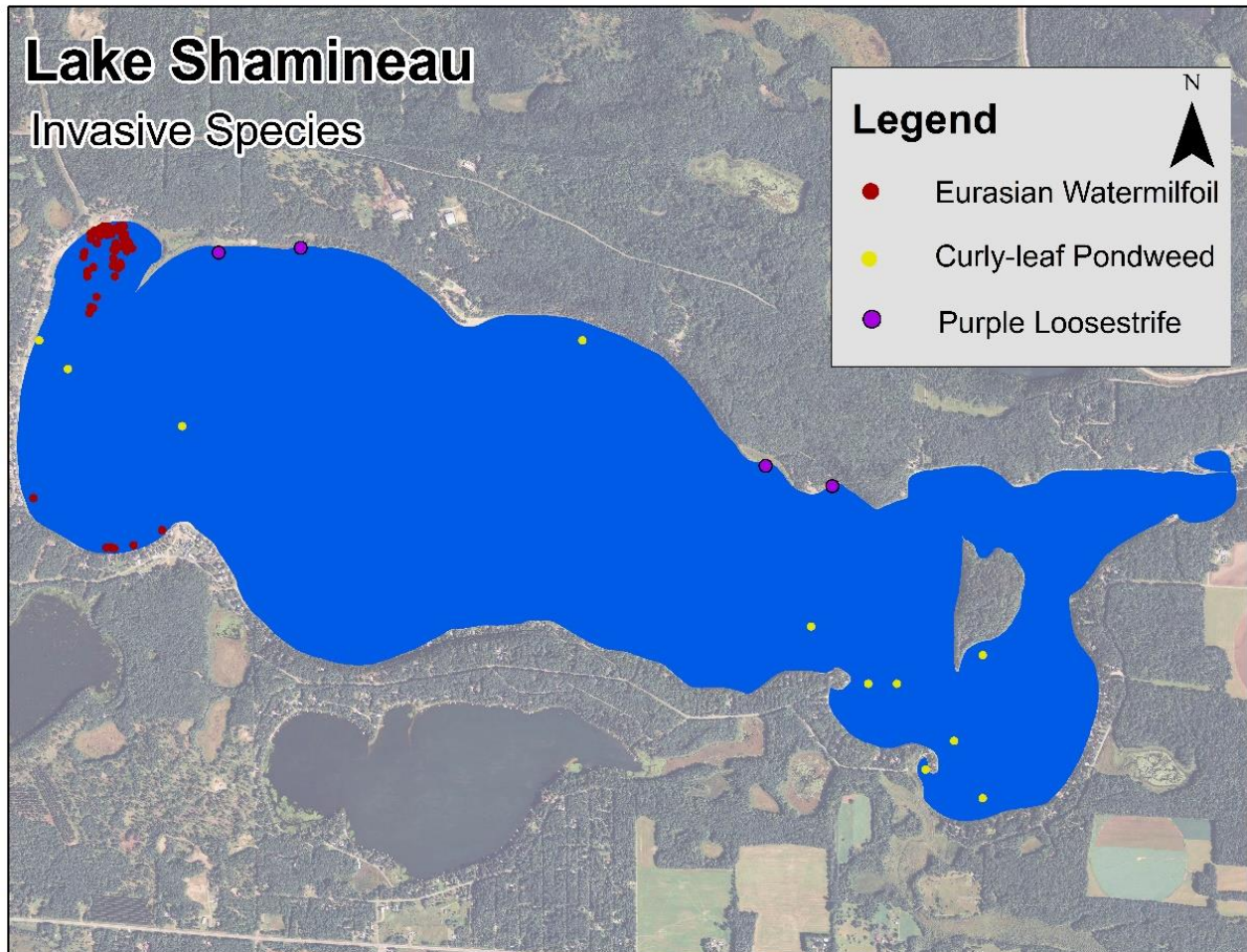
Currently there are about 2,000 purple loosestrife infestations recorded in 77 of Minnesota's 87 counties. Of those sites, the majority (70%) are lakes, rivers, or wetlands. Inventory totals indicate that Minnesota presently has over 58,000 acres infested with purple loosestrife.

The likely means of spread is that seeds escape from gardens and nurseries into wetlands, lakes, and rivers. Once in aquatic systems, seeds are easily spread by moving water and wetland animals.

In areas where there are few plants and easy access, manually removing the plants is recommended. Purple loosestrife can be cut or pulled without a permit in Minnesota. It is important to dispose of the plants away from the water. Allow the plants to dry out, then burn if possible.

Pulling purple loosestrife by hand is easiest when plants are young (up to two years) or in sand. Older plants have larger roots that can be eased out with a garden fork. Remove as much of the root system as possible, because broken roots may sprout new plants.

Removing flowering spikes will prevent this year's seeds from producing more plants in future years. Each mature plant can produce over 2 million seeds per year. Also, remove last year's dry seed heads, as they may still contain seeds. Finally, cut the stems at the ground to inhibit growth. 🌱



The chaos zebra mussels cause

- Mussels are super-efficient feeders, siphoning out tiny plants and animals that are food for small fish.
- Walleye and pike sometimes turn to cannibalizing slow developing baby fish, further upending the food chain.
- Zebra mussels wreak havoc on infrastructure by clogging intake pipes for industrial water systems.
- They attach to boat motors and hulls, reducing performance.
- They devalue lakefront property.
- They attach to rocks, rafts and ladders, where swimmers can cut their feet on the shells' sharp edges.
- They erode the \$5 billion-a-year summer tourism and fishing industry in lake regions.
- They create toxic algae.



Lake Shamineau Association Spring Member Meeting

May 27, 2017

Lincoln Evangelical Church

Board members present: Dave Graning, Tim Swanson, Sandy Williams, Pat Held, Mark Frisk, Duane Hendricks, Bob Ingle, Randy Kevern, Jacquie Rognli, Kim Salisbury. Dave Graning, Board President, called the meeting to order and welcomed the members. Board members introduced themselves.

Open Forum:

Curt Jones spoke about his concern regarding money spent regarding the high lake level, whether it is worth spending money for a study if there is no possibility of action to lower it. He wondered if, with the invasive species in the lake, the downstream affect on other properties would pose a legal liability. He also indicated that he wants to understand the personal expense estimates before action is taken.

Mike Fedde stated that we can do watershed mitigation and landscaping to possibly help the water flowing into the lake and to protect shoreline.

Craig Solberg suggested that floating bogs be staked to hold them in place where they are wanted, and Jacquie Rognli reminded members that Al Doree gets an annual permit that allows association members to remove bogs up to six by six feet. Disposal at county gravel pit is free.

Floyd Jerres spoke about possible causes for the high water being road construction over the past thirty years, including the rebuild of Hwy. 10, when the peat and porous soil was removed to create a firmer roadbed. The porous soil would have allowed water to move through the area towards Fishtrap Creek and on to the Long Prairie River.

Dave Graning introduced County Commissioner Jeff Jelinski of Morrison County District 2, who attended in place of Mike LeMieur, the Commissioner for our district, District 1.

Secretary's report:

Minutes from the fall 2016 Lake Association membership meeting were published in the spring newsletter and were approved.

Treasurer's report:

Pat Held reported the balance in our checking and savings accounts as of May 26, 2017 was at \$13,905.32. Income was \$6,993.07 primarily from membership dues and newsletter advertising sales. Expenses were \$4,826.72 primarily from costs associated with the newsletter, membership in the lake and river organization that hosts our website, and conference fees.

Pat indicated that expenses of the association are approximately \$3,000 per year. Jacquie prints and mails about 200 copies of the newsletter twice per year. If members have email, we could save more on postage and printing. There are approximately 360 property owners.

Water Quality report:

Al Doree reported that our phosphorous level averages 14.8 and the reading in May was 11; Chlorophyll A averages 4.8 and in May was 3.12; the Secchi disk water clarity reading averages 14.5 feet and now measures 17 feet. The water level is 1.1 foot above the OHWL (ordinary high-water level). We have received 6.7 inches of rain the past three months.

Membership report:

Kim Salisbury commented that the membership turnout this day was very good. She indicated that approximately 150 families are up for membership renewal. She thanked the membership captains that do the work inviting property owners to become new or continuing members. Kim asked for additional volunteer co-captains for East Shamineau, Lakeshore Drive, West Shamineau, and the North side.

Loons and Wildlife report:

Diane Schroeffer reported the geese flying north to molt and said that there is about one week left of spring migration. Bob Kohl has been reporting and posting photos of the loon nesting on the floating platform in the bay near his home. Two baby loons have hatched and currently are surviving despite the eagle landing nearby. With the high water, perhaps new nesting platforms could be built and placed in various loon territories next year.

Communication report:

Jacquie previewed the results of the survey of the impact of high lake water levels for the purpose of documentation for the high water study. Results will be on the website without personal identification of the survey responders. Jacquie also had been running a photo slide show of historical to present views of water levels and shoreline damage prior to the beginning of the meeting. Additional photos from members were scanned at the meeting.

Fishing report:

Eric Altena, DNR fisheries manager, gave a presentation (slide show will be posted on LSA website) on the lake's fish population. Shortly after ice out, in April, the DNR did their netting fish survey. Each day they lift the nets to get counts and sizes of the fish. Walleye, muskie and northern pike showed highest count in recent years. The DNR inserts an electronic tracking tag in each muskie netted in order to monitor their growth, length and movement. The last survey was done in 2012. The population estimate of muskies in Lake Shamineau is in the range of 122 to 244 (estimated 169 from this year's netting survey). Surveys are done about every four years. The DNR stocked the lake with one million walleye fry this year and 95 muskie three-year-olds last fall. This summer they will complete a full fishery survey on the lake and in the fall they will evaluate the fry stocking. The netting survey has a low mortality rate.

Walleye in Lake Shamineau has rare natural reproduction. A quick spring warm up causes fungal growth on the spawned eggs and the eggs die. The slot limits in Minnesota law are effective until 2022.

To help the bluegill fishery, the males (brighter color) should be released and keep just females when possible. The larger the males, the larger the sizes of the bluegills. The largest male becomes the upper limit of sizes of these fish. Keep medium sized fish and only keep what you need.

Black spots on fish are a parasite. The parasite comes from snails in the lake.

Lake Shamineau Lake Improvement District (LSLID) report:

There will be three Eurasian Milfoil pulls this summer. If a property owner does not want the pulls in front of their property, they must fill out an "opt-out" form.

Bob Koll reviewed watershed studies done so far and showed photos of various notable areas in the watershed. Cindy Kevern developed the RFP (request for proposal) that resulted in the selection of Houston Engineering to do the high-water mitigation study. The original proposed cost was reduced due the extent of studies and data collection already done at the request of the LSLID by government agencies and by lake residents. Cost of the study will be \$28,000 paid by the LSLID. Houston Engineering will host a high-water study kickoff meeting on Friday June 2 at Pine Ridge Golf Course from 12:30 to 2:30, followed by a field trip to view problem areas and potential drainage corridors.

Cindy Kevern noted that she called other LID's who had water issues and heard about the different options they implemented.

At the August 26, 2017 LID meeting, results from Houston Engineering' study will be presented. They will also point us to grant opportunities for any action that might be considered. All studies and data will be archived for future needs.

Election of Board Members:

Don Kirchner was nominated to fill an empty board position, and incumbent board members Randy Kevern, Dave Graning, Kim Salisbury and Sandy Williams agreed to be nominated. Motion was made, seconded and approved to elect the nominees to the board.

New Business:

Reminder that the fall membership meeting is the Saturday before the weekend of Labor Day, August 26 to coincide with the LSLID annual meeting that will follow the LSA membership meeting.

A request was made to put information on the web site and in the newsletter regarding winter aeration to prevent ice jacking, permit requirements, air pump specifications, options for the system, etc. There were permits for 22 systems on the lake this past winter.

Fabulous Door Prize Drawing:

Many door prizes were given away selected at random from those who completed the high-water impact survey. One hundred and eleven individuals were present at the meeting. Motion was made, seconded and approved to adjourn.

Minutes respectfully submitted by Sandy Williams, Secretary. 🐾

Lake Shamineau Association Spring Board Meeting May 27, 2017

Lincoln Evangelical Church

Board members present: Dave Graning, Tim Swanson, Sandy Williams, Pat Held, Mark Frisk, Duane Hendricks, Bob Ingle, Randy Kevern, Jacquie Rognli, Kim Salisbury, Don Kirchner

Election of Officers:

Nominated for president, Dave Graning; for vice president, Tim Swanson; for treasurer, Pat Held; for secretary, Sandy Williams. Motion was made, seconded and approved to re-elect these members as officers.

New Business:

The board will vote when a loan for \$10,000 to the Lake Shamineau Lake Improvement District is requested. The

loan would be short term to assist with the timing of tax collections that will cover the high-water study cost. The bank balance can support this request.

Sewer permit grants are no longer available unless qualify due to low income.

Summer Board Meeting:

Summer board meeting is scheduled for July 15, 2017 at 9 a.m., location to be determined.

Motion was made, seconded and approved to adjourn.

Minutes respectfully submitted by Sandy Williams, Secretary. 🐾

Lake Shamineau Association Board Approval via email

June 1, 2017

Group Email to: Dave Graning, Tim Swanson, Sandy Williams, Pat Held, Mark Frisk, Duane Hendricks, Bob Ingle, Randy Kevern, Jacquie Rognli, Kim Salisbury, Don Kirchner

Bob Koll sent an email to the board to request a loan to Lake Shamineau Lake Improvement District for \$10,000. A motion was made by Duane Hendricks to approve the

loan. A motion was also made by Randy Kevern; Randy's motion will be the second. Voted yes: Dave Graning, Pat Held, Duane Hendricks, Jacquie Rognli, Sandy Williams, Randy Kevern, Mark Frisk, Don Kirchner and Bob Ingle. The motion passed.

Recorded by Sandy Williams, Secretary. 🐾

Lake Shamineau Association Board Meeting

Saturday, July 15, 2017, 9:00 am

2 Tall Tavern, Lincoln, MN

Board members present: Dave Graning, Tim Swanson, Sandy Williams, Pat Held, Mark Frisk, Duane Hendricks, Bob Ingle, Randy Kevern, Jacquie Rognli, Kim Salisbury, Don Kirchner

Lake Shamineau Lake Improvement District members present: Cindy Kevern, Bob Koll

President Dave Graning called the meeting to order.

Treasurer's Report by Pat Held:

Balance Sheet and Income Statement: January 1 to July 14, 2017 net income was \$1,457.23. Checking and Savings totaled \$2,612.28 and outstanding loans to the Lake Shamineau Lake Improvement District were \$12,000, interest rate is 4% APR.

Accountant will do a financial review of our finances. We are waiting for estimate of cost for this review. Membership in MN Lakes and Rivers and Conservation Minnesota dues were paid. Website annual cost of \$200 was paid.

Motion was made, seconded and approved of the treasurer's report.

Membership Report

Sixty-seven membership renewals and new memberships were received. Co-captains are doing a great job visiting property owners and getting memberships.

Kim has membership cards to leave at cabins/homes. Bob has updated property owners list with addresses from the county. Sandy will combine the latest county list with the mailing list for the newsletter mailing list.

Committee Reports:

Water Quality – Al and Bob will be going out soon for July water testing.

What is the green scum floating in the lake in patches? Suggestion to send a sample to DNR for identification.

Inflows to the lake are not tested for water quality by any agency. Bob checked with RMB labs, they will do analysis at a cost. We would like to do this soon.

Bob noted levelers/culverts added that brings in water to the lake. Some natural tributary that went toward Lake Alexandria is cut off by development. Engineer study will be made in a couple of weeks, more information to follow.

Fishing – Seeing photos of big fish caught on Facebook.

Loons & Wildlife – Boaters are running through loon families. Bears are being sighted locally and created bear tracks of wet paint on the road near Shamineau Acres.

Lake Level – appears to be down 4-5 inches by visual observation. The ad hoc high-water committee did preliminary work of information gathering to assist moving the high-water study to the LSLID.

High Water Impact Survey – Cindy added up financial impact of high water and it is \$1.5 million as a conservative estimate. Photos are in a file on CD, printed for documentation for the LSLID – “Lake Shamineau Then and Now” photo book.

Fourth of July Parade – People were disappointed that so few boats participated this year. The Association does not sanction and does not assume any liability related to the boat parade. Moved, seconded and approved that we do not have any association with the boat parade for that reason. It has always been at 1 pm on the 4th of July.

LSLID Report – Cindy Kevern provided minutes from June 2nd high water study kick-off meeting. About 50 attendees met with the Project Manager of Houston Engineering. These minutes will be published in the newsletter. Bob reported higher levels of milfoil found in same areas as in previous years. The LSLID met June 23rd with state and local agencies, about 30 individuals were present, to explain concerns to these agencies about the high-water issues. Preliminary report from engineers will go to the LSLID in preparation for August 11th project review meeting. Final report will be at fall membership and LSLID meeting on August 26, 2017.

New Business –

Bob Koll, Don Ogilvie, and Ken Maddux went to training for sampling for zebra mussel veliger stage (microscopic form). Sampling was done on three parts of the lake on July 5th, in areas by the township and DNR accesses and near the north shore. Morrison County staff Amy Kowalski collects the samples from county lakes which go to RMB Labs and is paid by county AIS grant money. Bob can train other volunteers; it was done twice this year. Moved, seconded and approved to continue to participate and ask for more volunteers at the fall meeting for future year samplings.

Has aeration caused less cattails in the area where aerator was operating? A couple of property owners noticed this.

Moved, seconded and approved to have Pat check into the cost and details of board liability insurance.

Newsletter submissions – August 1st deadline

Secretary report - Moved, seconded and approved the board meeting minutes from May 27 and June 1, 2017.

Fall Meeting Plan – LSLID will be taking a vote on proposed high-water mitigation proposal by ballot, one vote per property. Check in to receive ballot prior to

meeting. Short Lake Shamineau Association meeting at 9:00 am, LSLID meeting will begin at 9:30.

Assignments:

- Randy pick up donuts, Kim bring coffee and cups.
- Sandy to crosscheck ownership list.

The meeting was adjourned at 11:20 am.

Minutes respectfully submitted by Sandy Williams, Board secretary. 🐾



Lake Shamineau Lake Improvement District Update

By Bob. Koll, LSLID Chairman

LSLID High Water Project Update

The LSLID Board has had a busy summer.

On June 2nd, 2017, we held the High-Water Study Kickoff meeting with riparian and other interested property owners and Jeff Langan, Project Manager, Houston Engineering.

We discussed causes of rising water; specific problem locations; several preliminary solutions; aerial maps and photos; added to the potential solutions list; took tour of the lake with Jeff to see hot spots, inlets and potential corridor outlets. There were lots of questions for and answers from the project manager.

On June 22nd, Jeff Langan and Bob Koll met with downstream property owners at their properties. They were all aware of the rising waters in Shamineau and seemed to be willing to cooperate with us. Jeff explained that any modifications to their property would improve their drainage and the use of their property.

On June 23rd, we held the High-Water Study meeting with agency/regulatory officials and stakeholders.

Included in this meeting were: DNR, Morrison and Todd County Commission representatives (Mike Lemieur and Barb Becker) Soil and Water Conservation District, Planning and Zoning, Auditors, Todd County Drainage Inspector, Public Works Engineer, Scandia Valley and

Fawn Lake Township boards representatives, and Jeff Langan, Houston Engineering, Project Manager.

We discussed feasibility goals; summarized work to date; (purpose, need and conceptual design); ordinances; regulations; local plans; infrastructure (roads, drainage systems); project design features; recommendations and red flags.

Jeff reviewed the possible corridors for the flow of water from Shamineau and told the group that the current focus is on the southwest corridor since it has a natural flow from the lake and may be most cost effective. He also mentioned that the goal of the project is to manage water levels and not hurt other property owners, private or public.

On August 1st, we met with Morrison County Commissioners to update them on our progress, recommendations, cost estimate and financing.

An information meeting is scheduled for August 11th. See announcements on Facebook and LSA website. The meeting in the afternoon, 2:30 to 5:00 pm. is for Shamineau Lake Improvement District Members (riparian property owners) only. It is intended to give you sufficient information to inform your vote on the High-Water Project and the 2018 budget at the LSLID Annual Meeting on August 26th. 🐾

Lake Shamineau Lake Improvement District (LSLID)

Annual Meeting Minutes*

August 27, 2016

Present: Bob Koll (Chair), Rick Rosar (Vice Chair), Fred Comb (Treasurer), Judi Kupferschmidt (Secretary),

Absent: Dale Mashuga

Next meeting: TBD

Welcome/Intro

Chairman Bob Koll called the meeting to order at 11:00 AM. He introduced the board members, summarized where we are today, and reviewed the agenda.

I. Treasurer's Report

Fred Comb gave the treasurer's report, explaining that it was our first year so we began with a loan from the Shamineau Lake Association while awaiting distribution of monies from Morrison County tax assessment. A question regarding the revised 2016 budget was addressed. The revision was necessary because the initial budget was based on estimated revenue from 378 parcels. Only 302 parcels were assessed,

Motion was made by Don P. to approve the budget for 2016, seconded by Tim Swanson. There was no discussion and none opposed. So, approved., unanimously.

II. Recap of 2016 EWM Treatments

Rick Rosar reported that scuba divers originally thought chemical treatments would be needed this year due to mats forming. The RMB aquatic vegetation survey found the milfoil quantity was down from last year. So, we did not need to use chemicals. We pulled with divers in July and August. There was discussion if volunteer scuba divers could help with the pulling and it was suggested that we check with the DNR (Chris Jurek) to see about a training for certification.

Someone asked how the milfoil spread and why we don't have the areas roped off. Bob explained that we used grant money for brochures and signs that show where the milfoil is located in Shamineau. We may look into buoys in the future with Morrison County Sheriff approval. Rick Rosar stated that the "littoral area" is water up to 17 feet deep for purpose of these surveys and noted that all of the data from the pulls is on the web for viewing.

III. Public hearing update

Bob Koll gave an update on the August 23rd hearing on proposed changes to the LSLID assessment methodology. He noted the strong support for assessing each parcel of an owner and applying a service charge for each rental unit of

commercial properties, at 35% of the residential parcel rate. The Morrison County Commissioners will decide on September 13th.

IV. 2017 Budget Proposal and Rationale

Fred Comb, Bob Koll and Rick Rosar presented the proposed 2017 budget noting that high water was the #1 concern from the surveys. That issue is represented in the budget. We can't access state or federal grants without an Environmental Engineering Study, at a cost of \$10-15k. It is a high priority for us to gather the data needed for the bidding process. The completed study will include a list of water control recommendations.

There was a question regarding how much the proposed 2017 Budget of \$27,500 would be per parcel. The answer was that it is \$61 per parcel under the new budget and \$91 under the old budget.

Terry Sandstrom made a motion to approve, Phil Rosar seconded the motion and it was approved, unanimously.

Tim Swanson volunteered to help gather the elevations and other data to generate the specifications for the bidding process. Chuck Ross volunteered to work with Tim and others and also with scuba diving.

V. Election of New Board member

Bob Koll nominated Cindy Kevern to the board position vacated by Judi Kupferschmidt. There were no other nominations. Nancy Hanson's motion to approve Cindy Kevern was seconded by Cheryl Koll and passed, unanimously. Cindy Kevern was elected to the LSLID board.

VI. Other Business

There was a question about treating zebra mussels. Morrison County representatives said they are watching several pilot projects carefully.

VII. Adjourn

Tim Swanson made a motion to adjourn, seconded by Pat Held and the meeting was adjourned. Note: Next Annual Meeting date will be after the SLA Fall Meeting, Saturday of Labor Day weekend. **

***No motion was passed to allow the annual meeting to be held in September, so the 2017 annual meeting will need to be held before Labor Day weekend. Meeting was later scheduled for August 26, 2017. 🐾*

***These minutes were published in the Spring 2016 Newsletter, but have not been formally approved by LSLID membership.**

Eurasian Water Milfoil Report 2017

By Rick Rosar, LSLID Board

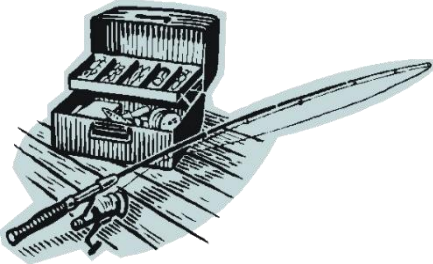
The scuba divers from Waterfront Restorations went out to the lake on June 21, 2017 for their first visit. They put in a total of 38.53 man-hours pulling the invasive Eurasian water milfoil (EWM) aquatic vegetation. There were reports that there were some tall stalks remaining after the first pull, so we communicated that to the divers and they said they would concentrate their efforts in that area on the second pull.

The area of the tall stalks was near the swimming beach at Shamineau Acres Resort. Working in conjunction with the scuba divers, Shamineau Acres and the Lake Shamineau Lake Improvement District (LSLID), we decided to try a small area of chemical treatment. We have been trying to stay away from chemical treatments because they can also harm the native plants, but saw this as an opportunity to learn. The area was treated and what we found is that it appeared to have knocked down the tall stalks, but some shorter stalks and root balls remained.

On July 24, 2017, the divers went back to the treated area and pulled the plants out by the roots and then expanded their search to previous known locations. They spent another 24.47 man-hours pulling the EWM. They pulled a total of 26 bags weighing over 900 pounds. A third pull was scheduled for August 8, 2017.

The LSLID budgeted \$8,000 to \$9,000 for three pulls. Funds are obtained from assessments to Lake Shamineau riparian property owners who approved the 2017 budget at the 2016 LSLID annual meeting.

It appears we are keeping up with the spreading of EWM to other areas, although some areas are becoming denser. One area of very dense EWM is on the south shoreline west of Augers Pineview Resort. We may try herbicide treatments in that area next year. 🐸



Fishing Report

By Rick Rosar

Lake Shamineau has special and experimental fishing regulations for northern pike:

- All northern pike from 24" to 36" must be immediately released.
- Possession limit of northern pike is three. Only one can be over 36".

Research behind the regulations

Since the 1950s, Department of Natural Resources (DNR) fish surveys have shown that pike populations in many lakes have increased in number while average size has declined, particularly in the north central part of the state. The north central zone regulation was developed using population assessment and creel survey data to model pike populations under various regulations. Regulations like the proposed regulation were implemented on a couple of northern Minnesota lakes in the late 1980s and early 1990s. For example, Medicine Lake in Beltrami County has seen significant increases in medium and large size pike and decreases in small pike with a slot limit that initially began at 22 to 30 inches and is now at 24 to 36 inches.

Harvesting small pike

Many pike anglers may choose to release small pike even though they can legally harvest them. This is unlikely to have any effect on the success of the proposed north central pike regulation. The main driver of the north central regulation is the protected slot limit. Because there is a surplus of these small pike in many waters, if people want to harvest them there will be no impact to the population, so harvest of the smaller fish is encouraged.

Several years have passed since these regulations were put into place. It appears that Lake Shamineau is benefitting from this as well. Within the last couple of years, anglers have been reporting significantly larger pike. Here are a couple of pictures from this year alone. 🐸



Fathers' Day, 40.5" northern.



Mike Mohler, 13.2-pound northern

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June 3-4 6/3 1-6 p.m. | 6/4 1-4 p.m.

June 24-25 6/24 1-6 p.m. | 6/25 1-4 p.m.

Independence Day Weekend July 1-4
7/1 1-6 p.m. | 7/2 1-6 p.m. | 7/3 1-6 p.m. | 7/4 1-4 p.m.

July 8-9 7/8 1-6 p.m. | 7/9 1-4 p.m.

August 5-6 (Saturday 8/5 is our Food and Music Festival)
8/5 1-6 p.m. | 8/6 1-4

August 26-27 8/26 1-6 p.m. | 8/27 1-4 p.m.

Labor Day Weekend September 1-4
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