



Lake Shamineau Association (LSA) is private non-profit organization

Establishment of the Lake Shamineau Association A meeting was held September 1, 2001 to organize the Lake Shamineau Association. A volunteer board was appointed, donations were collected, and a list of priorities made. The assembly voted on priorities of lake concerns, Fishing, weed issue, lake level, bogs, erosion, zoning, and muskrats was the order of most important to least important in 2001.

Mission Statement "The Lake Shamineau Association is an organization dedicated to lake conservation, to wildlife habitat, to building of community." The Association has tried to fulfill its mission via annual meetings that include socialization, informative presentations, volunteer committees for interests in water quality, fishing, loons and wildlife, ice jacking, membership, and communications. A newsletter is published twice a year and distributed to known property owners whether they are members or not. The Association also maintains a website and Facebook page.

Presentations Distribution of information is a major component of meetings and communication. Topics have included invasive species, natural shoreline landscaping, fishing, hydrologist, county sheriff, DNR presenters, fishing museum, water quality, lake level, ice jacking, wildlife, boat safety, bogs, videos, and more.

Membership Membership in the Lake Shamineau Association is voluntary. Membership fees are tax deductible as it is a non-profit 501c3 organization. Membership signs can be purchased and displayed to show support. Fees support the Association's operating budget, newsletter, website, contributions to Conservation Minnesota and Minnesota Lakes and Rivers Advocates, meeting expenses, and water quality testing.

Meeting A Spring membership meeting is held on the Saturday of Memorial Day weekend and includes presentation and/or activity, refreshments, door prizes, committee reports, election of board members, a chance for members to bring forth concerns, information or requests. 🐾

Lake Shamineau Lake Improvement District (LSLID) is public government district

A Lake Improvement District (LID) is a taxing district formed around a lake in accordance with Minnesota Statutes, sections 103B.501-103B.581. A lake improvement district is a local unit of government established by resolution of appropriate county boards and/or city governing bodies, for the implementation of defined lake management projects and for the assessment of the costs thereof. Operation is regulated by Minnesota statute.

Establishment of the Lake Shamineau LID The Lake Shamineau Lake Improvement District (LSLID) was created by Morrison County in 2015 at the request of Lake Shamineau property owners. A volunteer board was appointed by the County Board and the first annual meeting of the LSLID was held August 27, 2016. Morrison County is the parental body for LSLID. LIDs were established for Crookneck and Sullivan lakes in 2005, Lake Alexander in 2006 and Fish Trap in 2008.

District resident The district is made up of riparian property owners (a person who owns land on the bank of a natural water course or body of water).

Projects and Budgeting Planned projects and budgeting for the LID are approved by voters at the annual meeting. Individuals whose name appears as owner of Lake Shamineau riparian property on the records of the Morrison County Auditor are eligible to cast votes for board members and vote on other Lake Improvement District matters. No property shall have more than one vote. Morrison County administers annual payment as an assessment through the property tax collection system.

Meeting The annual meeting is the Saturday before Labor Day weekend and includes presentation of information, reports, a ballot election of board members, approval of proposed annual plan and budget. Voting is one per property owner of record. 🐾

The LSLID annual meeting will be held on the Saturday prior to Labor Day weekend, **August 25, 2018, 9:30 AM** at Lincoln Ev. Free Church. Doors open 9 AM. (No fall LSA Membership meeting.) 🐾



Lake Shamineau Association

P.O. Box 152

Motley, MN 56466

LakeShamineau@gmail.com

<http://minnesotawaters.org/lakeshamineau>

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

Association Board Members

President.: Tim Swanson, 651-698-8246

Vice Pres: Dave Graning, 763-261-4812

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

Jacquie Rognli, 763-441-7239

Kim Salisbury, 218-575-2097

Association Volunteer Committees

Communications: Newsletter & website-

Jacquie Rognli; Secretary-Sandy Williams

Fishing: Rick Rosar

Ice Damage & Jacking: Deryl Ramey

Membership: Kim Salisbury

Water Quality: Al Doree; Bob Koll

Lake Level: Dale Williams, Daryl Ramey,

Dave Graning

Loons & Wildlife: Diane Schroeffer

Membership

The membership year for the Lake Shamineau 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 Shamineau Association is a 501C3 non-profit institution. Donations and dues are tax deductible with your check as a receipt.

Meetings

Lake Association Membership meeting is held the Saturday of Memorial Day weekend.

Newsletter

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



Association President's message

By Tim Swanson, Lake Shamineau Association President

The shimmering waves borne of hot late summer breezes, signal the beginning of the end of another marvelous season on our beautiful lake.

For those of us fortunate enough to have a cabin or lake home, these are the best of times - or the worst of times. It depends on your perspective - and possibly your position along the shoreline. For those of you who are literally under water, our hearts go out to you. To those of you who are high and dry, your patience, understanding and compassion for your fellow neighbors is much appreciated.

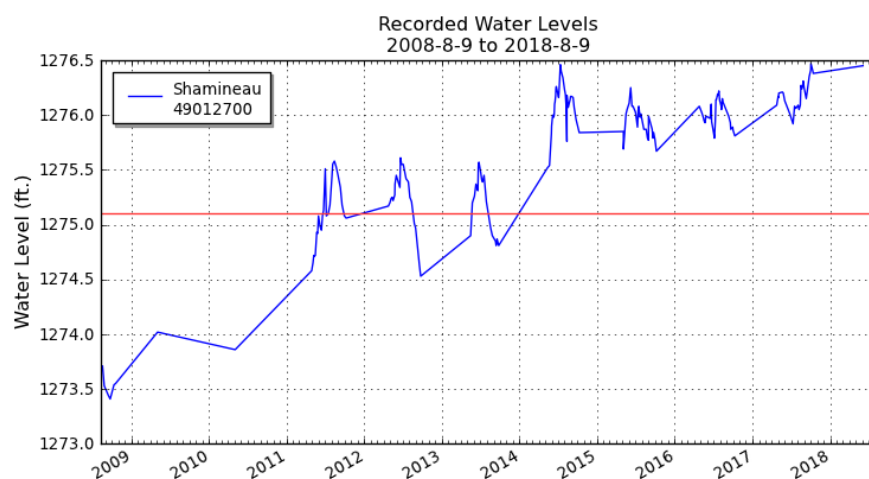
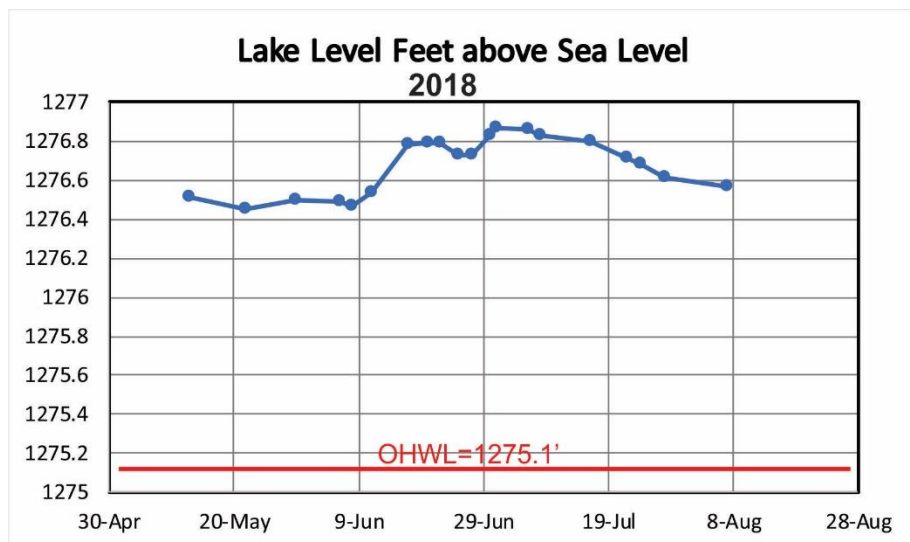
As you probably know, the high water issue on our lake - and the current LSLID proposal on how to deal with it - has been highly controversial. The gamut of emotions, shown in frustrated emails, Facebook postings, and angry outbursts at public meetings, all seem to create a path to segregate us and distract us from the issue we face. As a fellow cabin owner on Shamineau, and a privileged neighbor of yours, I emphatically urge you to not let that happen. If you disagree with what is (or isn't) being done, please let us know - intelligently and respectfully. No matter what happens, the high water issue has - or will - affect all of us, and we are all in this together.

So the next time you float past our cabin, the geodesic dome on the south shore, please wave to us if you see us there. I promise that we'll wave back with a warm greeting. And mean it. 🐾

Results of Property Owners Demographics Survey

Complete results of the property owners demographics survey administered in May 2018 can be found on the Lake Shamineau Association website, including charts and graphs. Some highlights are listed below. There were 143 valid responses submitted.

- **Boats** - When asked what type of boat they own or use on Lake Shamineau, the top responses were pontoon/recreational boat, fishing boat, and kayak.
- **Fishing** - Our responses listed panfish, walleye, bass, pike, and Muskellunge as most fished for in Shamineau.
- **Recreational activities** - Lake Shamineau property owners enjoy boating, swimming/water sports, fishing, walking/running/bicycling, nature observation, ice fishing, snowmobiling, and hunting - all activities that fit with the Lake Shamineau Association mission statement.
- **Property use** - More than half of properties have a winterized home, cabin, or building. Forty-three percent characterize the use of their property as occasional (weekend/vacations), 35.7% as seasonal, and 16% full-time residents. Most occasional users commute one to three hours to Lake Shamineau.
- **Ownership** - Almost all property owners are Minnesota residents, but less than a quarter are Morrison County voters. More than three fourths have owned their Lake Shamineau property for 10 or more years with 16 percent owning for 50 years and more. The majority (66.7%) hold individual ownership and a third have some sort of joint ownership or family trust. Recreation, retreat or retirement were the most cited reasons for purchasing their property. Only 35 respondents said they were considering selling their property in the next three years. Of those, 23 said it was because of "degradation due to high water level."
- **Age** - Only three respondents gave their age as less than 40 years old. Fifty-four answered ages 40 to 60 years, 75 people said ages 61 to 80 and nine older than 89 years old. This older profile matches that 41% are retired.
- **Communications** - Most people overwhelmingly said that they use the bi-annual newsletter and the annual meetings to get their information. This confirms the importance of utilizing these means of communication. Although most responded that they had regular access to email and the internet, less than half use the Lake Shamineau website or Facebook page to get their information.
- **Comments** - A final question invited respondents to make comments. Of the 43 submitted comments, 29 (67%) were concerning the high lake level. 🐾



Citizen Lake Monitoring Program volunteers wanted

Al Doree has been collecting data on Lake Shamaineau water quality since 2004. He also takes lake level reading and has obtained an annual bog permit for

Association members. He's ready to retire and the Association is looking for volunteers to take over these tasks. From Al: "I have decided to give up the water quality testing and bog permit recipient person as of this year. The water testing person has to live on the lake as RMB likes the testing on the third Monday of the month and must be able to have Speedee pickup and deliveries on that Monday as RMB uses the EZR system. All the equipment I have belongs to the association except the GPS receiver, but I think most smart phones would work just fine to find the two locations. I will train the person. The lake level gauge belongs to the DNR and has been in its present location before we moved here, so it will not change. I will continue to put it in, take out and read."

So far, at least one person has expressed an interest in volunteering. Please contact Lake Shamaineau Association President Tim Swanson to volunteer or contact Al for more information

Many thanks to Al for his years of dedication and service to our lake! He has been the driving force for getting us connected with testing, equipment and community resources. 🐾

2018 Shamaineau Rainfall

Recorded by Al Doree

2018 Date	Inches	Morrison County Average
30-Apr	0.18	
19-May	0.24	
21-May	0.03	
24-May	0.41	
27-May	0.06	
29-May	0.5	
May Total	1.42	3.66
2-Jun	0.35	
13-Jun	0.03	
6-Jun	0.62	
11-Jun	0.86	
12-Jun	0.25	
16-Jun	0.18	
17-Jun	2.1	
17-Jun	1.15	
19-Jun	0.06	
25-Jun	0.19	
30-Jun	1.47	
June Total	7.26	4.72
1-Jul	0.71	
3-Jul	0.13	
4-Jul	0.23	
8-Jul	0.43	
12-Jul	0.14	
19-Jul	0.35	
25-Jul	0.19	
July Total	2.18	3.91
1-Aug	0.18	
3-Aug	0.8	
August Partial	0.98	
2018 Total	11.84	12.29

Aeration Permits-Update from MN DNR

By Sandy Williams

Amanda Yourd at the DNR was contacted regarding the question raised at the Spring LSA Membership meeting as to whether aeration permits could be obtained on a lake-wide basis rather than individual pumping groups and whether the notice in the Morrison County Record could be by the entire group.

One notice must list all locations on the lake where there are aeration systems/open water. It needs to be determined how many want to list together, their locations, and then the cost for the number of printed lines that would be required. Please contact Sandy Williams to participate srwillms70@hotmail.com in the group notice to be placed in the Morrison County Record.

Amanda indicated that the DNR is considering a lake-wide permit possibly similar to the DNR bog permit they issue to the LSA membership. That permit allows bog removal up to a maximum size by LSA members. 🐾

NO WAKE extended to 300 feet from shoreline

The Minnesota Department of Natural Resources (DNR) says "Slow no-wake means operating your boat at the slowest possible speed necessary to maintain steerage, but in no case greater than five miles-per-hour." 🐾



Lake Association Membership Report as of July 28, 2018

By Kim Salisbury

Summer is in full swing with many families enjoying the lake. We welcome new families to the lake and wish all the best to those who have left.

We had great success last year with membership renewals. We are off to a little slower start this year. Thank you for your continued support and hope more will consider renewing their membership...so spread the word! The board works very hard to provide programs and education so we all can enjoy a better lake.

I also want to thank all the membership captains for taking the time to reach out to their neighbors. This success would not have happened without YOU!

Membership Captains

- East- East Shamaineau Drive- Karen Roser and Kristi Hanson
- East- Oak Lane- Donna Farber
- South- Lake Shore Drive- hoping Jen Buckentine will be able to continue but we really could use some help here.
- South- Augers, Arras, and Angle- NO CAPTAIN HERE, HELP WANTED. Thank you Pam Gowan for covering this last year
- South- Hillside and Axis Lane- Tom Heltemes
- South-(3000 and up) Pine View Blvd- Bob and Cheryl Koll
- South-(2000 to 3000) Pine View Blvd- NO CAPTAIN HERE, HELP WANTED
- West- West Shamaineau- Lori Schulzenberg
- West-Aztec (my apologies for omitting you in the spring newsletter) Bob & Anne Ingle, Pam Gowan, and Sara Asmas
- North- Ridge Road, 18th Ave, 45th, Armore, Cantleberry, East Bay- Cindy Koubsky and Kim Salisbury. Could use a Captain here.

If you are interested in helping or have any questions, please call me at 218-575-2097. One year memberships are \$20 or three years memberships are \$55. Membership forms are on the back page of this newsletter or you can print one off from the website. REMEMBER, we are a non-profit organization and your dues are tax deductible. Membership signs are available for an additional \$5. 🐾

Your tax-deductible membership dues support the non-profit work of the Lake Shamaineau Association, including:

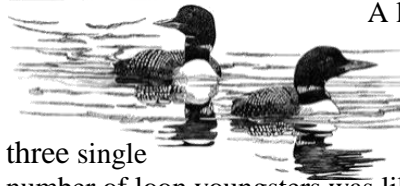
- Lake Association operating expenses
- Newsletter
- Website
- Current information about lake issues
- Group action when new issues arise
- Support for advocacy and legislation through our group membership in Conservation Minnesota and Minnesota Lakes and Rivers Advocates
- Water quality monitoring
- Use of group DNR permit for bog removal

Our quad-lakes neighbors all have their own LID tax assessments as well as voluntary lake association membership dues. A comparison of annual lake association membership dues:

- Fish Trap Lake Property Owners Association - \$25 (plus accepting additional grant contributions)
- Lake Crookneck Improvement Association - \$10
- Lake Alexander Property Owners Association - \$15 🐾

Loon and Wildlife Report

By Diane Schroepfer



A lake-wide loon survey by boat on 24 July found 22 loons including two sets of twins and

three single youngsters. The low number of loon youngsters was likely due to limited nesting sites for the adults due to the high water. The day before another eight adult loons (maybe failed breeders or first year birds without a territory) were gathered together west of the island and some left the lake that night for parts unknown, probably nearby ponds or lakes for evening roosting. Likely the Lake Shamineau population fluctuates between at least 22-30 birds which is close to normal numbers. No loons were seen east of the island. If anyone sighted a brood in that area, please let us know.

The loon survey also turned up six great blue herons and two green herons and a rarely reported black tern, likely migrating. Twenty-four ring-billed gulls were busy whitewashing a boat lift on the south side. These are the regular summering gulls but nest no closer than Mille Lacs National Wildlife Refuge, America's smallest federal refuge at .57 acres of rocky island habitat.

Raptors seemed to be scarce this summer with only sporadic reports of bald eagles, but no nest found. Red-shouldered hawks were seen along Ridge Road where

they likely bred. Ospreys were not reported, but migrants should show up any day now. Tiny turkey chicks (poult) were seen near the deer farm off Ridge Road in late July.

Two pairs of sandhill cranes could be heard bugling from bogs south of the lake most mornings. In general, it was a good breeding season for most birds with increased reports of hummingbirds, swallows, and woodpeckers. A singing hermit thrush with its beautiful ethereal flute-like song was heard near Amore Road off Ridge Road in late July. Several people reported young Baltimore orioles and rose-breasted grosbeaks.

No recent bear reports, but plenty of raccoons seen with a brood of five young and mom regularly raiding Ridge Road bird feeders.



LSA Treasurer's report

By Pat Held

Checking account balance as of 7/31/18 \$457.39

Saving Account as of the same date \$3306.25.

We will be purchasing a bond policy for the treasurer to the amount of \$25,000 as per the bylaws. I would expect repayment of the loans to the Lake Improvement District to occur this year. Feel free to contact me with any questions or concerns. Submitted by Pat Held
Treasurer Lake Shamineau Association. 🐾

Lake Shamineau Association Spring Board Meeting

April 7, 2018

at Perkins, Little Falls

Board members present: Dave Graning, Tim Swanson, Sandy Williams, Pat Held, Mark Frisk, Bob Ingle

Board members not present: Duane Hendricks, Randy Kevern, Jacquie Rognli, Kim Salisbury, Don Kirchner

Lake Shamineau Lake Improvement District members present: Bob Koll

Pres. Dave Graning called the meeting to order 9:15 am

Treasurer's Report by Pat Held - Balance Sheet and Income Statement: January 1, 2017 to April 7, 2018 total income was \$2,454.18. Total assets were \$15,659.23 which includes checking and savings of \$3,659.23 and the outstanding loans to the Lake Shamineau Lake Improvement District totaling \$12,000 at an interest rate of 4% APR. Bob Koll indicated that the LID will be repaying the loan in 2018.

Total Income was \$4,939.41. Membership dues income was \$4,126.00. Newsletter advertising sales income was \$800.00 and interest on bank accounts was \$13.41.

Total expenses were \$2,485.23. Board insurance and legal fees totaled \$342.90. Membership dues in MN Lakes and Rivers and Conservation Minnesota dues, website and other costs were \$461.90. Newsletter, mailings, supplies and communication expenses were \$1,269.76. Conference

and convention expenses were \$410.67.

Motion was made by treasurer Pat Held that the Association make a donation to the LID of \$2,000 toward expense such as milfoil removal due to our strong financial position, motion was seconded and unanimously approved.

Spring Membership Meeting Planning

Pre-Opening – Membership; Social mixer activity; photo montage onscreen; survey

Call to order 9:00 am

Vice president's welcome

Open forum – 15 minute time limit

Secretary's report

Treasurer's report

Vice president's report

Board Election – Pat Held term expires; rebalance board turnover due to moves to LID

Bylaw changes to be discussed and voted on
Committees

Fishing

Water Quality

Membership

Loons & Wildlife

Communications

Speaker possibilities – report on the Aquatic Invasive Species Summit attended by Dave Graning and Duane Hendricks; Fishing Museum representative Lake Improvement District (LID) updates –quad lakes grant approved; milfoil removal plans 2018

New Business

Membership Survey - Jacquie Rognli proposed including a membership demographics survey in the spring newsletter and on Google to be collected by the spring meeting with the incentive of entering a chance in the door prize drawing. A proposed list of measures was reviewed and edited. A concern regarding privacy was expressed and is especially sensitive regarding online responses these days. Who will respond – one survey per property? Anonymous responses?

Board members suggested the following measures from the proposed list be on the survey: Age (list ranges only – under 19, five or ten-year brackets, over 80 as examples); Full Year or Seasonal residents; Type of dwelling (list options); Morrison County resident (yes/no); Activities members participate in (list with option to fill in other); available means of communication (list).

Proposed Bylaw changes - Bylaw changes will be voted on at the membership meeting with two-thirds affirmative vote of the majority present required for changes.

Article VI: Meetings - Suggestion to change the association meeting requirements in the current bylaws to allow more flexibility. Currently lists Association membership meeting be on the Saturday of Labor Day. It is suggested that it state a requirement of a minimum of one meeting per year and not specify the specific date. Board discussion indicated that Memorial Day Saturday would continue to be our main meeting and there was general agreement that a short meeting before the August LID meeting was still appropriate for end of summer reports or issues –i.e. milfoil reduction report, other topics or concerns that might arise. Same flexibility for the dates of the board meetings. Instead of the currently stated Saturday of Memorial Day weekend, perhaps state that the board meeting be held prior to membership meetings for planning purposes and other times as deemed necessary by the board.

Article V: Officers, Section 4. Term of Office - proposed changes to indicate three-year terms for board members, no more than half of board members to be elected each year and shorter term adjustments can be made to ensure a more even turnover if necessary.

Article V: Officers, Section 5. Duties - suggestion to add attendance requirements for board members in the bylaws was discussed and the general consensus of the board members present was that because this is a volunteer position that we prefer not to add rules for removal of board members due to attendance. Email allows for input from each board member and the board is of a sufficient size that a quorum has always been present.

Also a proposal to strike in Article X: Suspension of

Bylaws - propose to strike the statement “**for emergency purposes only**” regarding suspended or amended bylaws with the two-thirds vote of the majority present and voting.

Other New Business

Association Bylaws Article V: Section 5.D. states “The Treasurer shall be bonded at the expense of the Association.” Pat Held will check with our insurance agent to get this coverage.

Renewing Association Memberships – Proposal to automatically renew Association memberships annually unless an objection is raised (Conservation Minnesota, Minnesota Lakes & Rivers Advocates, Website payment, Insurance premiums, contribution to Lincoln Evangelical Church for use of meeting space). Is this a membership vote or a board vote?

Bob Ingle noted that there have been more editorials critical of lake associations published in the Outdoor News publication. We need to be aware of this perception and promote all of the good things we do for the lake. It is important that we speak up for all of the positive impacts of lake associations and the goal of protecting the resource for everyone, all users not just lakeshore owners.

Bob Koll provided discussion about the LID Hearing on April 21 regarding next phase of the water pumping feasibility report.

Board to do for the 5/26 Association Membership meeting:

- Tim to inquire about speaker about the MN Fishing Museum
- Bob Ingle to connect with Dave Graning and Duane Hendricks for report on the Aquatic Invasive Species Summit to present at meeting
- Randy pick up donuts? Who can bring coffee and cups?
- Need early arrival coffee brewer volunteers.
- Bob will confirm with church and get the key.
- Door prizes – all board members get some door prizes.
- Sandy to create Lake bingo sheets.
- Newsletter article deadline from Jacquie.
- Survey preparation and board approval (email) by Jacquie

Motion was made to adjourn, seconded and approved at 11:15 am.

Minutes respectfully submitted by Sandy Williams, Secretary 🐾

LSLID minutes, reports, notices, and news can be accessed on the website:

<https://minnesotawaters.org/lakeshamineau/LID/>

This newsletter issue includes LSLID news on an 8-page insert.

Lake Shamineau Association Spring Board Meeting

May 26, 2018 at 11:45 a.m.

at Lincoln Evangelical Free Church

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

Board members not present: Dave Graning

Election of Officers: By unanimous consent, Tim Swanson, President; Dave Graning, Vice President; Treasurer, Pat Held; Secretary, Sandy Williams

New Business: Summer board meeting will be held on July 21, 2018 at 9 a.m. Location will be communicated by email. A motion by Pat Held was made to have the board meeting breakfast paid for by the association. Seconded by Tim

Swanson, passed unanimously. Board members are unpaid volunteers.

A motion by Sandy Williams was made to continue as members of the Minnesota Lakes and Rivers, at a cost of \$200. Seconded by Tim Swanson, passed unanimously. A request was made to donate to the Minnesota Aquatic Invasive Species Research Center. This will be further discussed at the next board meeting.

Motion was made to adjourn, seconded and approved. Minutes respectfully submitted by Sandy Williams, Secretary 🐾

Lake Shamineau Association Summer Board Meeting

July 21, 2018 at 9 a.m.

at Countryside Restaurant, Motley MN

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

Guests present: Bob Koll, Chuck Ross, Daryl Ramey

Secretary Report: Motion made and seconded to approve board minutes of April 7, 2018. Approved. Motion made and seconded to approve minutes of May 26, 2018 board meeting. Approved.

Treasurer Report: Pat reviewed the finances to date. Bob indicated that the loan to the LID is being paid back currently. Pat reviewed the cost of a bond for the treasurer at \$187 per year. Motion made and seconded to approve the financial report. Approved. Motion made and seconded to approve purchase of the bond. Approved.

Water Quality: Need a new volunteer for the water quality testing, as Al Doree is retiring from doing this. We send water samples to RMB Lab, measure the thermocline and read water clarity with the Secchi disk. The Lake Improvement District (LID) has recently been paying for this testing. Chuck Ross will consider doing this. Moved and seconded that we bring the water testing process and expense back to the Association. Approved. Question as to if someone can record rainfall and report to DNR or PCA. We need to ask Al if he will continue to read the lake level. The DNR sets the gauge annually in the spring on Al's property.

Ice Jacking: Interest in the blanket permit for the lake was expressed at the membership meeting. Daryl Ramey indicated that every property has to have \$500,000 liability insurance,

one permit per pump and contiguous properties.

Membership: Fewer membership renewals as of this time compared to last year this time. Fewer returns from mailed newsletters with wrong addresses.

Discussion regarding the fact that the bylaws require one membership association meeting per year. Motion made and seconded to follow the bylaws and have one meeting per year on Memorial Day weekend. Motion was approved. There will not be a fall membership meeting this year.

Loons and Wildlife: Board members noted seeing approximately 10 loons on the lake, a bear was sighted on Pine View Blvd, and there are lots of blue herons.

Communications: On the website, Jacquie separated LID home page and Lake Shamineau Association (LSA) home page. Discussion regarding newsletter containing both LSA and LID information. Discussion of adding Lake Improvement District color newsletter as an insert to the LSA newsletter. Motion seconded and approved.

LID Update: Bob Koll updated the LSA board regarding the high water project and provided a sample of mailing to be sent out to all property owners regarding the Lake Improvement District annual meeting August 25, 2018.

Winter Board Meeting: Scheduled for March 2, 2019, 9 am at Little Falls Perkins Restaurant.

Motion was made to adjourn, seconded and approved. Minutes respectfully submitted by Sandy Williams, Secretary 🐾

Lake Shamineau Association Spring Membership Meeting

(Subject to approval at 2019 Spring Membership Meeting)

May 26, 2018 9:00 am

Lincoln Evangelical Church

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

Board members absent: Dave Graning

Welcome: Vice President Tim Swanson welcomed members and the board members introduced themselves. Tim reminded members of the No Wake

Zone of 200 feet from the shoreline that is in effect.

Open Forum: The bog permit for association members allows bogs up to six feet in size to be cut up and hauled away, or preferably they be staked firmly in place to protect shoreline. Cattails have disappeared in areas where aeration has occurred, or another theory is that the high water has uprooted many. A member reminded others to call their legislative representatives to encourage action regarding the high water issues.

Secretary's Report: Minutes of the fall membership meeting is printed in the newsletter. A motion to approve the minutes as printed was made, seconded, and approved.

Treasurer's Report: Pat expressed thanks to Bob Koll for his efforts to get paid ads for the newsletter that helps to offset the cost of printing, mailing and website fees. Current bank balances in the checking account is currently \$215.42, the savings account is \$3,304.80, and loans receivable is \$12,000. A motion to approve the treasurer's report was made, seconded and approved.

Water Quality Report: Tim Swanson mentioned that his Secchi disk readings have shown a slight decrease in water clarity over time. Readings done by volunteers for the Citizen Lake Monitoring program have been done by Al Doree and Bob Koll.

Ice Jacking Report: Daryl Ramey reported that there were 32 permits for aeration systems this past winter. A member asked if a permit can be obtained for the entire lake, or if one newspaper notice could be for all the systems to save on cost. These questions will be researched by the board.

Membership Report: Kim thanked the co-captains who visit properties and help to get new or renewal memberships. There were ninety-one memberships paid in the fall. Help on the north side of the lake is needed. Kim indicated the reasons for joining include education, communication and grant availability (shoreline restoration was a grant example).

Loons and Wildlife Report: Five loon pairs were sighted and a bear was reported between Lake Shamineau and Crookneck Lake. Early arriving birds were hurt by the late snow in April. Rob Russell, retired biologist, talked about phoebe's, birds in the flycatcher family that eat a lot of flies and mosquitos. Phoebe houses are available at Fleet Farm stores. Wood duck houses are available at the Randall Lumber Yard. They are made by local boy scouts. Face them south or east and place on a post or in the water. Loons have been discovered to have traces of a carcinogenic chemical that dispersed oil from the BP oil spill in the Gulf of Mexico. There are around 12,000 loons in Minnesota. A legal settlement from BP provides some funds to Minnesota to benefit the loons.

Communication Report: Jacquie reviewed the results, so far, of the demographic surveys returned by

members. She also asked for updated email and home addresses for sending the newsletters. The Facebook group online has fifty-nine followers. Appreciation was expressed for the tremendous work that Jacquie does for the association.

Program: Brenda Perlowski, Executive Director of the Minnesota Fishing Museum and Hall of Fame at 304 Wes Broadway, Little Falls gave a presentation including photos and video. "The Minnesota Fishing Museum is not "just a collection of old fishing items," but rather a collection of historical possessions that belonged to individuals from across Minnesota who were (and are) a part of the history of freshwater fishing in our state. The museum holds a priceless collection of fishing-related antiques and memorabilia tracking the heritage of freshwater angling in Minnesota." See mnfishingmuseum.com for more information.

Lake Improvement District Report: Bob Koll summarized the work of the LID. Rick Rosar and Cindy Kevern were attending the Crookneck Lake Association meeting to communicate about the high water project proposal for Lake Shamineau. A grant from Aquatic Invasive Species funding would allow for a lake survey of curly leaf pondweed and Eurasian milfoil, and has provided for brochures and signage at the boat accesses. Chemical treatment of the Eurasian milfoil is scheduled for the southwest portion of the lake where the weed is spreading aggressively. Property owners can opt out for the area in front of their shoreline. Testing for zebra mussels is county funded and scheduled for the week of June 28 and the second week in July. Three locations for the zebra mussel testing include at the public access at ten feet deep, at the flats in the middle of the lake and at the township access. The high water project was discussed and it was noted that it is at the feasibility stage and has not been approved at this time. See LID report and LID board minutes in the spring newsletter for more information, as well as on the minnesotawaters.org/lakeshamineau website. Bob Koll was hindered from making a complete report for the LID due to a couple of disruptive visitors.

New Business:

Speed monitors are to be requested by Pat Held for Aztec Road and Pine View Boulevard for the week of July 4. Lake Shamineau Association Bylaws changes as noted in the spring newsletter were all approved by the membership. Revisions were made to clarify and align them with current operations.

Elections to open board positions: Pat Held and Jacquie Rognli were reelected to board positions and a term adjustment was made to even out turnover. Drawings for door prizes were held, with many happy winners. Thanks to board members who acquired prizes.

A motion was made, seconded and approved to adjourn. The meeting adjourned at 11:45 am.
Minutes respectfully submitted by Sandy Williams, Secretary 🐾

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Lake Shamineau Association
PO Box 152 (LSLID Box 52)
Motley, MN 56466
Website: <http://minnesotawaters.org/LakeShamineau>
Email: LakeShamineau@gmail.com

2018 Lake Shamineau Association Membership Form

Thank you for supporting your Lake Shamineau Association!

Date _____

Name _____ email _____

Mailing address _____ City _____ St _____ Zip _____

Phone (____) _____ Lake Address _____

☐ Please send the newsletter via email

Membership: ☐ Property Owner \$20 (1 Year) ☐ \$55 (3 year) ☐ Associate Member \$10

\$_____ Additional Contribution for: ☐ Water Quality ☐ Wildlife ☐ Fisheries ☐ Other

☐ I would like a membership sign \$5.00



Make Checks payable to: Lake Shamineau Association
Mail to: Lake Shamineau Association, PO Box 152, Motley, MN 56466

Lake Shamineau Lake Improvement District

Where Are We Now
July 2018



High Water Continues To Take Center Stage

Current water level is over 1.9 feet above the OHWL (Ordinary High Water Level)

MN DNR Definition for OHWL—the ordinary high water level is an elevation delineating the highest water level that has been maintained for a sufficient period of time to leave evidence upon the landscape, commonly the point where the natural vegetation changes from predominantly aquatic to predominantly terrestrial.

Excerpt From DNR Flood Damage Reduction (FDR) Grant Application—Lake Shamineau is a 1600 acre lake located in Central Minnesota. Lake Shamineau water levels have been rising, causing shoreline erosion, loss of trees, wildlife habitat destruction, loss and/or changes of aquatic vegetation, reduced water clarity, flooding of properties, challenging water quality, and causing hundreds of thousands of dollars of property damage and loss. Shoreline damages caused from ice jacking is also a significant impact to the lakeshore caused by the high water during winter conditions.

Property owners have attempted to lessen the effect of shoreline damages from ice jacking by using lake aeration systems. These systems help minimize the size of the ice slabs reducing damages from the ice jacking effects. Lake Shamineau has 32 lake aeration permits currently issued, the most for any lake in Minnesota, which is a strong indication of the significant damages the high water is causing to the shoreline of Lake Shamineau relative to other developed lakeshores. A survey of lake owners in 2015 found an estimated \$1.520 million in expenses due to high water level. The survey of Lake Shamineau property owners describing property damage may be found online at: <https://minnesotawaters.org/lakeshamineau/high-water/high-water-damage-survey/>. It is estimated that expenses have more than doubled since 2015.

We have learned more about what has caused the high water and what we can do to lower the water to manageable levels.

Lake Shamineau is located in a closed watershed basin. The total contributing drainage area to Lake Shamineau is approximately 11.91 square miles. A natural outlet does not exist for Lake Shamineau so the lake relies on groundwater movement, evaporation and evapotranspiration to maintain or lower the Water Surface Elevation (WSE).

A review of the historic and recent problems appear due to the wet hydrologic cycle and the lake not having an outlet. During the more recent wet hydrologic cycle, inflows from runoff and groundwater have exceeded outflows and have caused Lake Shamineau's sustained WSE to rise.

Since the early 1990's, higher than normal precipitation has occurred and the WSE has been rising above the OHWL (Ordinary High Water Level) since early 2000's. The WSE has been consistently above the OHWL since 2013 and is currently over 1.9 feet above the OHWL.

VISIT US ON THE WEB

Lake Shamineau and LSLID info may be found at:

Facebook— <https://www.facebook.com/lake.shamineau>

Minnesota Waters— <https://minnesotawaters.org/>

LSLID CONTACT INFO

Bob Koll, Chairman
218-296-2933

Rick Rosar, Vice Chairman
612-709-6402

Cindy Kevern, Secretary
763-458-3973

Fred Comb, Treasurer
612-840-0709

Don Ogilvie, Director
218-575-2101

LSLID US Mail address:
3435 Pine View Blvd
Motley, MN 56466



Proposed High Water Project

Houston Engineering has developed a plan to lower the high water

The purpose of this project is to establish a maximum operating level of Lake Shamineau for economic and natural resource benefits. This can be accomplished by managing the high-water levels of Lake Shamineau at an elevation that protects adjacent property owners and sustains a healthy wildlife environment.

The need for the project is to significantly reduce future property and shoreline damages, reduce property owner costs and provide more efficient strategic planning abilities for the LID, County and State. The proposed project involves the construction of a permanent outlet for Lake Shamineau. The proposed outlet includes a pumping station that will pump water from Lake Shamineau along a proposed alignment to a channel that will be constructed along Highway 10.

The Lake Shamineau Lake Improvement District (LSLID) is the implementing party and has contracted with Houston Engineering to manage and oversee the engineering, design, permitting and construction of the project. LSLID will seek special assessment funding from all Lake Shamineau property owners and we hope the FDR Grant Assistance Program will provide additional supplemental governmental funding assistance. While we have checked with other funding sources including Morrison County, no funds

are available and there are no other known funding options.

The Engineers Feasibility Report provides considerable insight into the conceptual design and basis of recommendation for the proposed project. The 3-part report may be found [HERE](#) [HERE](#) and [HERE](#). Or visit our website to find the Engineers Feasibility Report: <https://minnesotawaters.org/lakeshamineau/lid-directors-reports-minutes/>

ENGINEERS OPINION OF PROBABLE COST

Construction Items	\$2,020,000
Project Contingency	290,000
Engineering, environ, survey, etc.	285,000
Admin, legal, finance processing	75,000
Easement Acquisition	60,000
Utility Accommodation & Service	<u>20,000</u>
Total OPC for the Project	\$2,750,000*

* This amount may be reduced up to 50% or more depending on grants and final alignment.



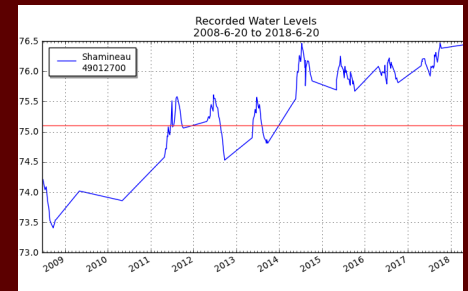
The Project Will Not Impact Fish Trap Lake

Some residents of nearby Fish Trap Lake expressed concern that the proposed project may interfere with their continued use of Fish Trap Creek which receives excess runoff from Fish Trap Lake.

Houston Engineering provided this response—The location in which Shamineau outflows will be discharging into Fish Trap Creek is nearly 3 miles downstream of the outlet structure on Fish Trap Lake. Considering the fall in the landscape within this distance, there is expected to be no backwater effects on Fish Trap Lake as a result of this project, under any flow conditions on Fish Trap Creek. In addition, when water levels on Fish Trap Creek reach levels which could create detrimental conditions along the Fish

Trap Creek channel, the pumps will be turned off to allow Fish Trap Creek to drop to levels which can accommodate the 20 cfs flows proposed for the project. This operating plan condition further reinforces that the Shamineau outlet project cannot create backwater effects on Fish Trap Lake.

An operating plan will be developed to establish trigger point elevations along Fish Trap creek which will define when outflows from Shamineau are allowable to enter Fish-Trap Creek, based on water levels in the creek. It may be a strategic recommendation to have a trigger point elevation at the outlet structure on Fish Trap Lake since a significant amount of the flow in Fish Trap Creek is from Fish Trap Lake.



SHAMINEAU PROPERTY OWNERS RESPOND TO SURVEY IN MAY 2018

Lake Shamineau property owner demographics survey and results may be viewed [HERE](#). The results may also be found at the Lake Shamineau website.

LSLID VOTES TO APPROVE HIGH WATER PROJECT

Following a long public hearing in April 2018 with public comment and about 180 people attended, overwhelming support of the High Water Project was demonstrated by raised hands of those in attendance. Immediately following public comment, the LSLID Board voted unanimously to approve the High Water Project and its estimated \$2.75 million assessed cost.

While part of the cost may be reduced by grants, Shamineau property owners will pay the cost through a LSLID assessment and owners will be able to pay the cost over a period of time.

LSLID OBTAINS SUPPORT FROM SCANDIA VALLEY TOWNSHIP

The LSLID Board presented information about the high water project and responded to questions at the Scandia Valley Township Board of Supervisors public meeting on June 12, 2018.

Many issues were discussed including:

- Flooded and closed roads
- Considerable shoreline erosion and loss
- Compromised septic systems
- Flooded and damaged basements
- Loss of trees, property use, and more

Supervisors voted to approve and sign a letter of support for the LSLID project.



LSLID Public Hearing

Water Levels Can Be Managed

Excerpt from Engineers Feasibility Report—

A review of the historic and recent problems being experienced with Shamineau Lake indicate that a majority of the reported and documented problems appear due to the wet hydrologic cycle, the lake not having an operational outlet, and ultimately an uncontrolled increase in water surface elevation (WSE) of the lake. The problems appear related to an increase in WSE above those desired by the property owners around Shamineau Lake. A new outlet structure and pumping station is proposed to draw down and maintain the lake at a lower maximum WSE. The proposed new outlet structure and drainage piping will provide for improved and adequate hydrologic capacity and improved economic and natural resource value to the lake.

A Project Operation and Maintenance (O&M) Plan will be developed during the preliminary design and permitting phase to establish operating lake levels, pump run time restrictions and opportunities, seasonal restrictions, and other identified discharge operating criteria to most efficiently establish optimal times to activate the lake outlet. Primary intention of the operating plan is to minimize hydraulic impacts to adjacent and downstream property owners, and to minimize stress on channel, water bodies, and natural resource interests. Trigger elevations on Shamineau Lake and downstream receiving waterbodies will be established to direct pump operation times. As a result of the conceptual planning phase, it is proposed to maintain Shamineau Lake's maximum WSE

between 1274.1 and 1275.1. However, a section in the operating plan will be included to describe a process to modify the operating plan if the system is not functioning as anticipated. The intention is to allow for adjusting the lower limits of the drawdown elevation on Shamineau, to review operating times during the year, or change drawdown trigger elevations for operation of the pumping system.



Flooding—East Shamineau Dr



Flooding—East Shamineau Dr



90 yr old Lake Shamineau Cabin



Year-round home Lake Shamineau



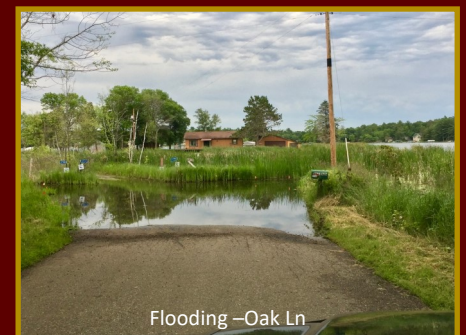
West Shamineau Dr



West Shamineau Dr

ALTERED HYDROLOGY CONTRIBUTES TO HIGH WATER LEVELS

Excerpt from the Engineers Feasibility Study—Altered hydrologic patterns immediately south of Shamineau and Crookneck Lakes were identified which appear to conflict with understood drainage area boundaries. The unnatural runoff contribution to these lakes inflows has an impact on lake levels and should be addressed. The altered hydrology appears to be ditching, road/trail grades without culverts, existing culverts set at high grades, and blocked drainage ways due to historic standing water with limited flows. It is understood that addressing these altered hydrology issues will reduce the total volume of water required to be discharged from Shamineau Lake



Flooding—Oak Ln



Closed Road—Red Oak Ln



Crookneck Lake Is 2'+ Above OHWL

Crookneck Lake is located just south of Lake Shamineau and both lakes are part of the same watershed. Water from the watershed flows into both lakes via ditches and culverts. Part of the outflow from Crookneck is known to flow into Shamineau. Due to the close proximity of the two lakes, a relationship exists between Crookneck and Shamineau. The shoreline and many homes on Crookneck are experiencing similar flooding and damage as Shamineau. The Morrison County Sheriff has issued the same No Wake Zone for Crookneck as Shamineau.

The Crookneck Lake Ordinary High Water Level OHWL is 1275.6' and the last measured lake level was June 28, 2018 which indicated the lake level of 1277.75, more than 2.1' above the

OHWL. Additional info about Crookneck Lake level may be found online at the DNR website by clicking [HERE](#)

During the May 2018 Crookneck Lake Association Public Meeting, the LSLID gave a presentation to Crookneck property owners and answered many questions. Due to limited time, the Crookneck Lake LID offered to gather additional questions from property owners for the LSLID to answer. Those questions and answers may be found online by clicking [HERE](#).

LSLID will continue to meet with and keep CLLID informed as we move through this process.

The following photos are Crookneck Lake properties:



MORRISON COUNTY PLANS TO SURVEY SHAMINEAU PROPERTY OWNERS

Morrison County Commissioners are interested in hearing directly from Shamineau property owners and will be sending a survey via US Mail. We don't know exactly what the questions will be, but we know the Commissioners want to know your opinion about:

- Do you think the water level of Lake Shamineau is too high?
- Have you experienced shoreline damage or property damage?
- Are you in favor of lowering the water level by pumping water downstream according to the proposed project by Houston Engineering?
- Are you willing to pay for and be assessed a portion of the \$2.75 million cost for the LSLID High Water Project to lower the water level?

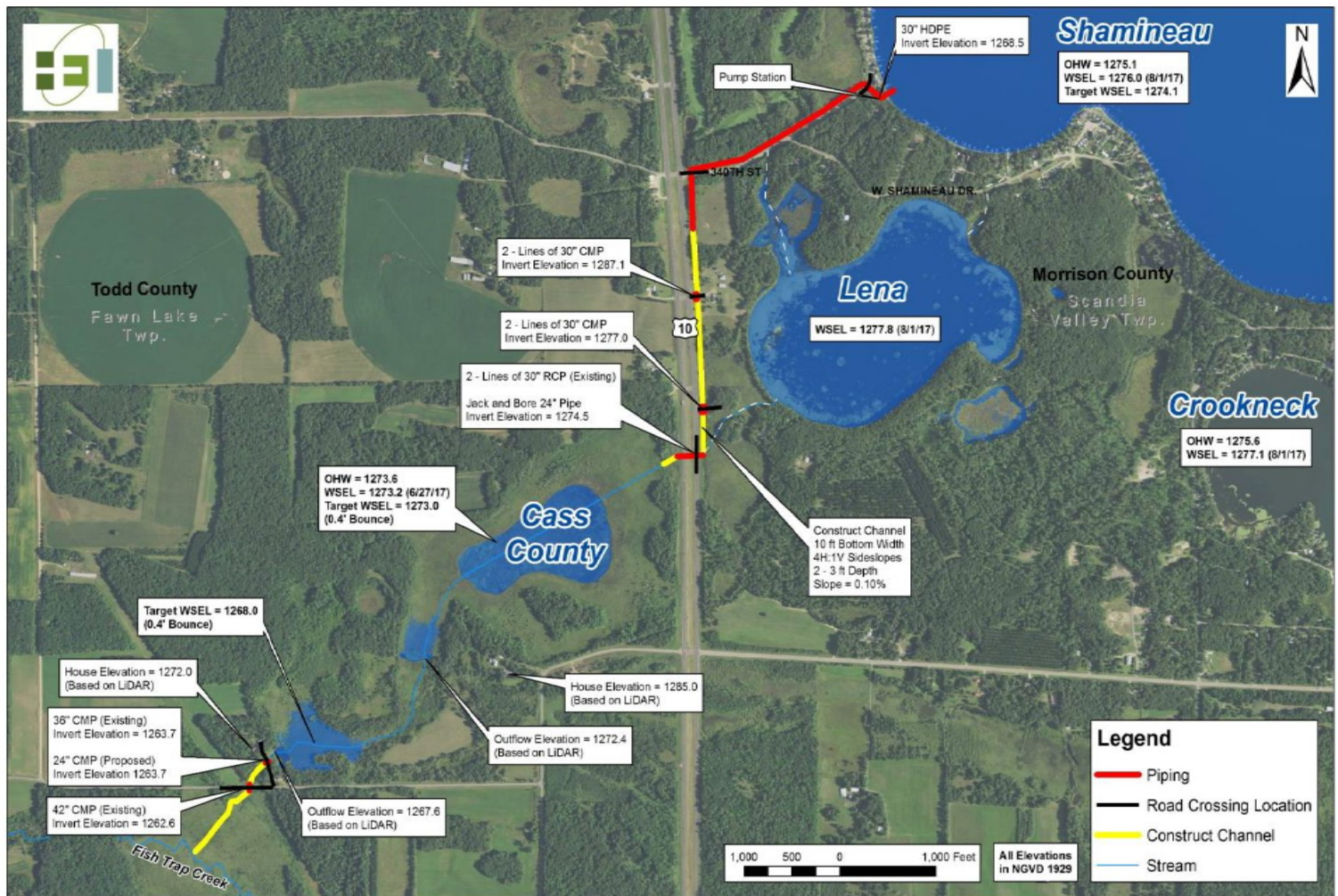
The survey may have a deadline to respond so please watch for the survey and respond ASAP. Should you have any questions about the survey, please contact Morrison County.

LSLID TO ASK MORRISON COUNTY FOR ADDITIONAL POWERS

MN Statute 103B.551 Sub 3 discusses 14 various powers that a County may delegate to a LID. While LSLID already has some of these powers, LSLID plans to request additional powers including:

1. acquire by gift or purchase an existing dam or control works that affects the levels of waters...
2. construct and operate water control structures...
3. undertake projects that change the course current or cross section of public waters...
4. acquire property, equipment or other facilities by gift or purchase...

And more

[illegible]



FISH TRAP LAKE PROPERTY OWNERS APPROVE LETTER OF SUPPORT FOR LSLID PROJECT

During a regular Fish Trap Lake Association Meeting, LSLID Chairman Bob Koll presented the High Water Project to association members who voted to provide a letter of support for the project.

LSLID RECEIVES LETTERS OF SUPPORT FROM DOWNSTREAM PROPERTY OWNERS

LSLID reached out to downstream property owners to explain the High Water Project and has received letters of support from almost all owners. One large property owner claims the project will greatly improve the quality of Fish Trap Creek.

THE MORRISON COUNTY SHERIFFS OFFICE IS REQUESTING A 300' NO WAKE ZONE FROM THE SHORELINE DUE TO INCREASED WATER LEVELS.

Morrison County Sheriff Shawn Larsen

Due to the high water level and increased risk of shoreline erosion and damage, LSLID and Morrison County Sheriff initially established a 200' No Wake Zone which was later changed by the Sheriff to 300'.

Until further notice or the lake level returns to normal, there is a NO WAKE (IDLE SPEED) ZONE within 300' of the shoreline around the entire lake.

LSLID ANNUAL MEETING 9:00 AM AUGUST 25, 2018

LINCOLN EVANGELICAL FREE CHURCH
All Lake Shamineau property owners are invited and encouraged to attend. LSLID will present any new or updated information on the high water project. Property owners will be asked to vote on the 2019 annual budget, elect LSLID Board Members and likely vote again to re-approve the high water project. Watch US Mail for more and last minute info.



FAQ's FROM AUGUST 2017

LSLID compiled a long list of Frequently Asked Questions FAQ's last year and many of the questions are still being asked. Some of the data such as lake level has changed. You may view the FAQ's online [HERE](#) or visit the website.

QUOTES FROM LAKE SHAMINEAU PROPERTY OWNERS

"Our family obtained our first permit to install riprap due to rising water more than 20 years ago"
-Fred C.

"Our neighbors old septic tank is under 3' of water"
-Prefer to remain nameless.

"We began designing a new home 5 years ago and were told the basement floor must be 2' above the OHWL. The lake is now 1.9' above the OHWL."
-Rick R.

"It's so sad to see another friend's home flooded-carpet and built in cabinets torn out-and he's still pumping and bailing."
-Cheryl K.

"We are cabin owners on the west side of Shamineau, and I am growing more and more concerned about the water quality of the lake given the current flooding situation... I just want to be sure the lake is safe for my young children and others to swim."
-Lisa B.

LSLID ASKS ALL PROPERTY OWNERS TO VISIT THE LSLID WEBPAGE FOR NEW AND UPDATED INFO

LSLID will attempt to post important items of interest to the LSLID website as soon as we are able.

LSLID is researching a new and improved means of connecting all property owners through an electronic system that could alert owners of info via email, text, phone. Watch for more info.

**Lake Shamineau Lake Improvement District - LSLID
2019 Proposed Budget**

	Proposed 2019
<u>2019 EXPENSES – Annual Assessment</u>	
AIS - Eurasian Water Milfoil Control (SCUBA-Chemical-Planning-Permits-Projects-Rental)	31,000 ¹
Water Quality Testing and Citizens Lake Monitoring Program CLMP	1,000 ²
Public Access Cooperative Projects	3,000 ³
Liability Insurance	1,500
Administrative Expense – Mailing-Publish-Legal-etc	7,000
Floating Bog Mitigation	500
Reserves	<u>5,000</u>
Sub Total – Regular Expenses	\$49,000
High Water Project Pre-Construction Costs:	
Engineering-Planning-Right of Way-Enviro-Geo Tech-Admin-etc.	<u>360,000</u> ⁴
Total Proposed 2019 Expenses	\$409,000 ⁵

HIGH WATER PROJECT – Special Assessment

The following are proposed maximum costs for actual construction costs through project completion.

<i>Construction Permits, Approvals, Easement Acquisition, Mgmt,</i>	
<i>Finance Processing, CD-41, Utility, Admin, 15% Contingency, etc.</i>	370,000
<i>Construction Cost</i>	<u>2,020,000</u>
Total Estimated High Water Project Expense	\$2,390,000 ^{6, 7, 8, 9}

Budget Notes:

- 1 AIS is upgraded to include SCUBA pulling plus chemical treatment of the heavier growth areas.
- 2 These are ongoing LSLID initiated studies.
- 3 LSLID plans to work collectively with other LID's to acquire additional funding for AIS public access monitoring and education from Morrison County and MN-DNR
- 4 These are Houston Engineering estimated costs to provide pre-construction services and are intended to provide funds for sufficient research, engineering, and planning.
- 5 If Morrison County approves the LSLID proposed "association unit fee" calculation, the per parcel assessment rate is estimated to be \$990-995, based on the current number of parcels.
- 6 The total project maximum cost remains the same at \$2.75 million. \$360,000 is included in the 2019 annual budget for work prior to construction that is needed by the county prior to project approval. See note 4 above.
- 7 Could be eligible for financing through grants – one possible grant is up to 50% another is up to 75%.
- 8 Eligible for financing through bonds, which would enable payment of the assessment over time.
- 9 If no grants are approved, the future per parcel special assessment rate is estimated to be \$5,785-5,800, not including financing costs. Payments may be spread over 8-10 years.

**Lake Shamineau Lake Improvement District
High Water Project
Project Steps and Estimated Timeline for Completion****

Step	Description	Timeline (Estimated)	Estimated Cost
1. Houston Feasibility Study	Defines recommended project and costs	Study complete 1/23/18	
2. LSLID votes on resolution	Orders project, pending County Board Approval	LSLID Board approved 4/21/18	
3. Morrison County Board votes on project and budget	County Board resolution to proceed	Fall 2018	
4. Surveying, Permitting/Environmental Review and Preliminary Design Tasks	<ul style="list-style-type: none"> Preliminary design and survey of Co Ditch 41 and Fish Trap Creek, culverts, lake and wetland outfalls; Wetland delineation, assessment and impacts; water quality assessments; and CO Ditch 41 engineering and petition; Detailed Hydrologic and Hydraulic analysis; 80% of Operation and Maintenance Plan 	(est. 5 months) April – August 2019 (Note: this assumes that funding will not be available until 2019. Since initial work may not be completed during winter months, April was used as the start month.)	\$70,000
5. Surveying, Permitting/Environmental Review, Preliminary Design Tasks	<ul style="list-style-type: none"> Legal Survey Permit applications, conditional use, hearings MnDOT, Counties and Twp Utility Agreements Final Permit coordination Geotechnical evaluation, electrical Design final alignment/corridor 	(est. 3 months) August – October 2019	\$60,000
6. Final Design, Plans and Specification Tasks	<ul style="list-style-type: none"> Right of Way Finalize Plans and Specifications Bidding Process and Construction Schedule Project Administration 	(est. 4 months) October 2019 – January 2020	\$230,000
7. Construction Process	Three step construction process: 1. Construction and Startup Operations 2. Site grading, turf establishment, and final cleanup 3. Pumping operations (receiving water conditions will dictate ability to pump in the late spring)	(12 – 17 months) January 2020 – March 2021 March 2021 – June 2021 May/June 2021	\$2,390,000

****Estimated timeline uses April 1, 2019 as the beginning of engineering tasks due to funding availability, and weather conditions. Actual timeline will depend on timeframe for receipt of funds, permitting, right of way easements, weather, and other unforeseeable conditions. The maximum estimated cost for the project remains at \$2,750,000.**