

Lake Shamineau Association Newsletter

Newsletter No. 25

Spring meeting May 24

The spring membership meeting of the Lake Shamineau Association will be held Saturday, May 24, 9:00 a.m. Lincoln Evangelical Free Church.

Time before the meeting is open for membership renewals. Board elections will be held. Several of our advertisers have donated items for door prizes

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

Milfoil action plan update

By Rick Rosar

The Lake Shamineau Association board has been working to set up a lake improvement district

(LID) for our lake, but in the meantime we continue to take action through Lake Association funds obtained

from membership dues. The board has decided to look into companies that will survey the entire lake to try to identify other areas of the lake that may have Eurasian Water Milfoil popula

Minnesota lakes identified with Eurasian Water Milfoil infestations

(EWM) or may be susceptible to EWM growth. We have received several proposals and are in the final stages of

choosing a company to accomplish this task.

The companies we have spoken to will survey the lake through various methods and create a map with GPS coordinates showing other areas on the lake where EWM is present. They plan on surveying the entire area of the lake with depths of 20 feet or less where EWM typically grows. They are also going to look at the northwest bay in more detail, as this was the first area where EWM was discovered. In 2012, the Lake Shamineau Association hired divers pull these nonnative invasive water plants from that area of the lake.

We are also working in conjunction with Shamineau Acres Resort, whose owners have graciously offered to pay for an herbicide treatment in the most densely

Lake Shamineau Association Membership Meeting Saturday, May 24, 2014 Lincoln Evangelical Free Church Agenda

- 1) Pre-Opening Membership renewals
- 2) Call to order 9:00
- 3) Open forum 15 minute time limit
- 4) Secretary's Report
- 5) Treasurer's Report
- 6) President's Report
- 7) Committees Fishing Water Quality Membership Loons & Wildlife Communications
 2) Old Puringer
- 8) Old Business
- 9) Board elections
- 10)New Business
- 11)Adjourn

populated area of the northwest bay where EWM is present. We are also looking into hiring scuba divers to hand pull the EWM in adjacent areas of the bay where the herbicide cannot reach. This process is especially complex due to the lake containing a large amount of Northern Milfoil, which is a natural occurring native species. Northern Milfoil is desirable aquatic vegetation that can be killed by the same herbicides needed to eradicate the EWM.

Treasurer Pat Held reports that we have a permit for hand removal of the milfoil from the bay in front of Shamineau Acres. We also have received a grant from the DNR in the amount of \$1100 to help defray the costs of removal. In addition, Shamineau Acres has received a permit to chemically treat a large bed of milfoil located just off the end of their docks and they too received a grant to help with the cost of chemical treatment. *(Milfoil treatment continued on page 2)*



Lake Shamineau Association P.O. Box 152 Motley, MN 56466 http://www.minnesotawaters.org/group/sha mineau

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

Board Members

President: Randy Heltemes, 763-228-1416 Vice President: Rick Rosar, 612-709-6402 Secretary: Sandy Williams, 651-487-7916 Treasurer: Pat Held, 218-575-2400 Al Doree, 218-575-2404 Mike Fedde, 651-452-2966 Dave Graning, 763-261-4812 Bob Ingle, 612-759-6711 Randy Kevern, 218-575-2844 Bob Koll, 218-575-2577 Jacquie Rognli, 763-441-7239 Jane Kramer, 507-477-3693 Brian Salisbury, 218-575-2097

Committees

Communications: Newsletter & website-Jacquie Rognli; Sandy Williams Fishing: Rick Rosar Ice Damage & Jacking: Deryl Ramey Loons & Wildlife: Carolyn Held Membership: Bob Ingle, 612-759-6711 Water Quality: Al Doree; Bob Koll

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

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

Milfoil treatment continued

The companies we spoke to would like to encourage you to move your motorized water sports out into the open lake, and minimize high speed activities in the shallower northwest bay. Milfoil spreads quickly from fragments of plants breaking off and taking root in other areas after being run over by propellers. In addition, this area will be subject to herbicide treatments, EWM surveys and scuba diver activities. The bay is totally safe for swimming and other activities, but with a little cooperation we can try to minimize the spread and maintain a happy, healthy lake. 🏊



REQUIRED ACTIONS: You must...



1. CLEAN all visible aquatic plants, zebra mussels, and other prohibited invasive species from watercraft, trailers, and water-related equipment before leaving any water access or shoreland.



2. DRAIN water-related equipment (boat. ballast tanks, portable bait containers, motor) and drain bilge, livewell and baitwell by removing drain plugs before leaving a water access or shoreline property. Keep drain plugs out and water-draining devices open while transporting watercraft.



3. **DISPOSE** of unwanted bait, including minnows, leeches, and worms, in the trash. It is illegal to release live bait into a waterbody or release aquatic animals from one waterbody to another. If you want to keep your live bait, you must refill the bait container with bottled or tap water.

Lake Improvement Districts can help fund lake management

Residents around lakes have increasingly started forming lake improvement districts with the authority to levy property taxes, and usually the reason is to help pay to fight aquatic invasive species.

The Minnesota Legislature authorized lake improvement districts in the 1970s, allowing local authorities to create special taxing districts that typically consisted of properties directly fronting on a lake. Until 2005, it was a little-

used law, averaging less than one new district every year. According to the Department of Natural Resources (DNR),

in the past few years, the average has climbed to more than three a year as more lake property associations seek the power to generate revenue.

A LID does not have any taxing authority of its own. The county board specifies the funding arrangement when it establishes the LID. Typically, a LID must pass its budget recommendations through the county board for approval and actual collection. To finance LID projects, services and general administration, a county may:

1. Assess costs to benefited properties;

2. Impose service charges;

3. Issue general obligation bonds;

4. Levy an ad valorem tax solely on property within the district; or

5. Any combination of the above.

A LID can also be the recipient of grants from state and federal agencies and private foundations.



A LID can be formed by petition of property owners within the proposed district or by county board resolution. At the fall membership meeting, several members volunteered to work on establishing a LID for Lake Shamineau. Currently, they are working with the Morrison County Board to get them to make a resolution for establishing the LID. This should speed up the process. Croockneck, Alenxandria and Fish Trap lakes all have LIDs already.

Bog permit available for Lake Shamineau Association Members



Al Doree has again obtained a permit from the Department of Natural Resources (DNR) that allows members of the Lake Shamineau Association to move or remove floating clumps of cattails in 2014. Collecting, transplanting or removing aquatic vegetation requires a permit from the **DNR** Fisheries Aquatic Plant Management

Program. Because of their value to a lake's ecosystem, aquatic plants growing in public waters are considered state property under Minnesota law, and their removal is regulated.

Pieces of cattail bog sometimes break away and float out into the lake. These can become hazardous to boat traffic. Large bog sections should be staked back to a cattail area to preserve the habitat for fish and wildlife and protect shoreland from erosion when possible.

Under our permit, Lake Association members are allowed to remove smaller (less than 6' X 6') floating sections. They can be dragged up on shore and removed or you could choose to move them somewhere along your shoreline to enhance your buffer area. You must be a member of the Lake Association to make use of the permit.

Funds available for upgrading of septic systems and wells

The Region Five Development Commission, which includes Morrison County, has funds available for low interest loans for qualified property owners needing to upgrade non-conforming septic systems and wells. Eligible projects include repair or replacement of an existing septic system or well that does not conform to regulations; relocation of systems out of environmentally sensitive area; replacement of septic system or well that is failing or nonconforming.

Funds were allocated by the Minnesota Department of Agriculture and are currently still available for this vear.

More information and application forms are available on the Region Five website: http://regionfive.org/



Membership Report as of April 15, 2014

By Bob Ingle, Membership Chair 2014

Last year was a big year for renewals. We had 94 out of a possible 135 that were due to renew. That means 41 past members didn't renew. Please remember, if your sign number is 14, your dues are due this spring. I've learned that if we don't get dues paid before or during the spring meeting, it's very difficult to connect during the summer. Please help us by paying your dues at or before the spring membership meeting.

This year we have 113 memberships to renew. If you see your name on the list below, your dues are due this year. Please help us and send in your dues. If you mail in your membership, I'll get the sticker updated if you have a sign.

Lake Shamineau has 315 addresses and our organization has 194 active paid members, a 62% rate of participation. We have 38% of our neighbors that need convincing. Help me get those folks signed up. We've got Associate members who live near but not on the lake and they joined to be part of this organization. Hats off to them! Be a stakeholder and get involved. I'd like to hear feedback from past members as to what it would take to interest them to join again. Email us. If you'd like to make this organization better, get involved. Join us. Bring your ideas!

Email addresses! Please let us know if your email changes! <u>LakeShamineau@gmail.com</u>

Our top membership captain was Doris Amundson and I want to recognize her efforts, Thank you Doris! Each captain was very helpful, but we need more help in these areas: Augers, Arras and Angle. Also, East Shamineau is a big area for one person. West Pine View Blvd, Lake Shore Drive is a unique area and we could use several captains there. Bottom line, again, help us and send in your dues. We don't want to bug you while you're trying to enjoy your weekend at the lake.

If you come to the spring meeting, please sign up with one of our captains at the membership table. We really

Daniel Scott Amundson Lawrence E & Lois V Anderson Richard & Sharon R Auger Michael & Lisa Baker Craig & Gen Baron Robert & Mary Bellmont Gerald, Marsha, Lisa Bemboom Theodore Sr & Linda Berguam Robert & Linda Bisek Bill and Jennifer Buckentine Judith Cantleberry Ron & Laurie Carlson Alan Lee & Linda L Card Gertrude Colbeth Mike & Laurie Craft James A & Lisa M Dick Patrick Doyle

Earl G Edeburn Gary Erickson **Ricky & Shirley Fagereng** William H & Sandra M Faust Ronald & Cindy Fenske David & Mary Freeman Marlene L Friedl George E & Lois F Gammon Leland M & Alvina Granberg David W & Janice C Graning Bernard & Marilyn Gulland Thomas R & Kathleen J Hanson Donald W & Anne E Hanson Susan Harris James & Sara Heim Nick & Deb Henton

appreciate your support.

One-year memberships are \$20 due in the spring, or 3year memberships are



\$55 due in the spring. If you don't get your dues in early, send them via mail. The membership form is on the back page of the newsletter, or print one from the website. Payments by check are preferred.

Membership signs are available for an additional \$5.00. The year number represents next dues year. Make sure to request the stickers when you pay your membership. If you need one, email me and I will get your sign number updated.

Note: DO NOT attach the sign to a utility pole. Utilities don't allow for signs on their poles.

Membership Captains serve each area of the lake and will try to contact you should your membership be due. Please help us keep this great organization going, and let me know if you're interested in helping with memberships.

- East East Shamineau –Russ Holland (Russ could use another volunteer to help on the east side) East - Oak Lane - Marlene Freidel
- East Oak Lane Mariene Fielder
- South Lake Shore Drive Jen Buckentine South - Hillside and Axis Lane – Tom Heltemes
- South (3000 and up) Pine View Boulevard Bob and Cheryl Koll
- South (2000 to 3000) Pine View Boulevard Dale Mashuga
- West West Shamineau Dan and Doris Amundson
- West Aztec Road Anne Ingle, Pam Gowan and Sarah Asmas
- North Ridge Road, 18th Ave., 45th Ave., Armore, Cantleberry and East Bay – Judy Kupferschmidt (could use help here)

These members are up for renewal this year. Please send in your dues. Thank you!Daniel Scott AmundsonJim & Donna DurenDonald A & Julieanne HermanDo

Donald A & Julieanne Herman Paul & Dawn Hindrichs Curtis M Hintz Jill & Russell Holland Sue Hermanson & Mike Ison David J & Donna C Jackson **Richard & Jean Jacob** Glenn E & Jean M Jans Joan Batcher-Janacek John Jacobson Pamela J. Jensen Dwayne & Pat Jensen Richard W & Rosemary A Jex Darryl & Jill Johnston Larry E & Lois M Johnson Denis & Laverne Kalis James & Betty Kiser

Donald & Marijo Kirchner Emily Kmetz Duane Kleine Robert W & Cindy L Koubsky Lowell & Norma Koenig Judi & Kerry Kupferschmidt Dan & Joyce Larson Todd & Tracy Linbo Robert & Carolyn Lohman Ted C & Billy Jean Lundberg Dennis & Vicki Lubke Jerry & Laurie Lukoskie Dale & Cheryl Mashuga Norris S & Rose Mary Mattson Wendy & David Mcdonells Jesse & Sherry Mitchell Richard L & Florence S Mowan Mark J & Jan I Murphy Arline Nelson Herb & Trudy Neuerburg Jeff Olson Stephanie Parsons David Perfetti Dennis Peterson Steven & Kathryn Quiring Daryl L & Nancy J Ramey Ronald Riebe David & Monica Rittenhouse Todd & Nicole Robinson

Dave & Mary Adolphson Carolyn Bieker Russell Doucette Gladys H Freeman Mary Frances Goblirsch & Terry Hoffert Michael & Melanie Hougo



Karen A Rosar Peter & Trisha Rinzel Margaret Romero Gary Ross & Vaunda Lea Sather Steve & Candace Sabers Neil Schneider Melvin R & Sandra L Schroeder Anita Schulte Glenn M & Ellen B Shaver Nancy & Donald Shipman Harriet Sisk Peter D Or Mary Ann Solberg

Genevieve Johnson Randall R & Merri J Johnson Lynda Lee John & Betty McGuire Michael & Ann Madden Doug & Sheryl Malark Robert A & Joleen J Meyer

Fishing report By Rick Rosar

Well this has certainly been a winter to remember, especially in regards to ice fishing, or lack thereof. If

you were lucky enough to make it out through all the snow and cold weather, then give yourself a pat on the back.

One weekend this winter my son Axel and I brought our wheel house out to sleep in overnight on the ice. Pulling it behind my ³/₄ ton Suburban, we had all we could do to get it out to one of our preferred spots. Axel was driving behind me on our ATV and said the fish house "caught air" on more than one occasion. We had good success as several walleyes decided to join us for dinner. We went to sleep that night only to wake up to another eight inches of snow. There was no way for us to get off of the lake and our propane was running low. Luckily my uncle Dale who Esther Solorz Agnes Sonenstahl Ernest Spilman Leo & Diane Sprouls Jeffrey A & Kathleen D Smith Patricia A St Martin Rod Stanoch Thomas E & Joyce A Stein Michael Stevens Ted & Becky Sullivan Tim & Barbara Swanson James & Martha Taylor

Past Members. Let's recruit these folks back. What can we do to attract them?

Tom & Stephanie Motzko Howard Mulcahy Roger & Margaret Olson Tom & Paula Schwartz Amy Springer Nancy Urbanski David & Jodi Huffman-Nordberg Richard & Mavis Thelen Ron & Betty Unger Tim & Cynthia Vogel Karen & Shawn Weller James H & Carol J Wicktor Karsten J & Cheryl I Williams Jack Wilson Lavern & Dolores Wohlert Ronald Wayne & Juli Anne Zak

Bruce Kitowski William & Judy Hendry Sherry & Michael Thedens

lives on the lake said we could use his new plow truck to plow a road so we could get off.

I heard many reports from other anglers that just couldn't get to their regular "honey hole". The anglers that did make it out caught plenty of perch and several nice walleyes.

Speaking of walleyes, the DNR finalized their netting report from this past year which I reported on at the fall meeting. They officially have decided to adjust the walleye stocking on Shamineau to fingerlings only every other year. This is due to their better survival rates and performance than compared to stocking fry. The DNR will typically stock around 1,492 lbs of fingerling walleye. This depends on the size of the fish available. Larger fish equates to a few more pounds while smaller fish equates to slightly less weight, but more in number. They anticipate that this will improve an already successful walleye stocking program.



Lake Shamineau Association Fall Membership Meeting August 31, 2013 9 a.m.

Lincoln Evangelical Church

Board members present: Al Doree, Pat Held, Bob Koll, Sandy Williams, Randy Kevern, Randy Heltemes, Dave Graning, Jane Kramer, Mike Fedde, Kim Salisbury, Rick Rosar, Bob Ingle Not present: Jacquie Rognli

President's Welcome

Randy Heltemes called the meeting to order and welcomed the members to the fall meeting. Board members present introduced themselves. In response to a request for any questions from members, it was asked that the board look into a law change in 2012 regarding septic systems and whether grandfathered when property is passed down.

Approval of May 25, 2013 Membership Meeting Minutes

The minutes from the May 25, 2013 membership meeting were printed in the Spring 2013 newsletter. A motion was made to approve the minutes. The motion was seconded and approved.

Treasurer's Report

Pat Held, Treasurer, provided the following balances in the Association's bank account, part of which will be refunded as unused grant funds for lakeshore restoration at the end of the summer totaling between \$500 and \$1,500. A motion was made to approve the treasurer's report. The motion was seconded and approved.

Balance on Hand Checking 8/	30/2013 \$182.57
Balance in Savings 8/30/2013	\$ <u>19,126.68</u>
Tota	<i>l</i> \$19,309.25

Fishing

Graphs of the DNR spring fishing survey were displayed indicating numbers of Muskies, walleye, northerns and largemouth bass.

Water Quality

The spring ice out was a month later than usual. The secchi disk reading of water clarity was less clear this summer. In June it was about 10 meters and in July and August about 8 meters. Rainfall was lower in August and water level was lower in the past two months.

Ice out was May 14th this year. Ice out in 2012 was March 29th. Rainfall in May was 3.62 inches and the lake level was one inch below the official high water level. The Association has a bog removal permit for members for 2013 - certain rules apply. Loon Report

Nineteen loons were spotted in one day as well as a group of nine together.

Communication

For news and discussion between meeting dates,

email works well, so members are encouraged to share their email address, as well as for emailing the spring and fall newsletters. Members were requested to update emails if there are changes. An email privacy policy has been created.

Membership

Captains were recruited and requested for Axis Lane and the east side of the lake for membership drives.

Other Business

Invasive Eurasian milfoil continues to be a concern and the cost of removing and treating in order to contain it may require that a Lake Improvement District be established. Chemical treatment is an option recommended by the DNR. Adjacent property owners' approval is required. Grant available for dealing with the problem has expired for 2013. The board will be watching for grant opportunities to help defray the cost in 2014. Since the milfoil is currently a problem in the northwest corner of the lake, it is advisable that future Fourth of July boat parades not use that area as a starting point. There was much discussion about locating, identifying, and removing the Eurasian milfoil. A motion was made to pull the milfoil again this year and to have oversight of the job, with board approval of the company to do this and a budget of up to \$4,000. The board would meet briefly after the membership meeting to discuss and approve.

There was discussion of creating a Lake Improvement District (LID) and volunteers will form a committee to investigate the requirements and process. An LID will require approval of 60 percent of all properties and the county. The following are volunteers for the Lake Improvement District project: Pam Carter; Cindy Kevern; George Holtus; Bill St. Martin; Jodi Jordan Huffman; and Fred Comb. The following board members volunteered: Pat Held; Mike Fedde; Randy Heltemes; Rick Rosar and Bob Koll.

Meeting was adjourned.

Minutes respectfully submitted by Sandy Williams, Secretary **2**

Lake Shamineau Association Board Meeting August 31, 2013

Lincoln Evangelical Church

Board members present: Al Doree, Pat Held, Bob Koll, Sandy Williams, Randy Kevern, Randy Heltemes, Dave Graning, Jane Kramer, Mike Fedde, Kim Salisbury, Bob Ingle **Not present:** Jacquie Rognli

Eurasian water milfoil

After discussion, motion was made and approved to hire Waterfront Restoration to pull the milfoil. There was discussion to get bids for a complete lake assessment and discussion and a board vote could take place via email.

Meeting was adjourned. Minutes respectfully submitted by Sandy Williams, Secretary

Lake Shamineau Association Board Meeting January 11, 2014 Friendly Inn

Members present: Randy Heltemes, Randy Kevern, Bob Koll, Mike Fedde, Bob Ingle, Al Doree, Rick Rosar, Dave Graning, Sandy Williams

Members absent: Jacquie Rognli, Pat Held

Fall 2013 Eurasian Milfoil Control Efforts

Discussion about the efforts in the fall to control the Eurasian milfoil infestation. Divers pulled the plants based on GPS coordinates provided by the DNR. Chris Jurek, Invasive Species Specialist with the DNR stopped at Shamineau Acres resort several weeks later and found more. He recommended that Lyn and Pam Carter, resort owners, apply for a permit to chemically treat the Eurasian milfoil up to 150 feet from shore in the north side of the bay (northwest bay of the lake). Chris also recommended that using scuba divers to pull the plants occur in June to early July.

Lake Survey Plans

Rick Rosar has looked into companies that do lake surveys. We are interested in a survey of the entire lake. He learned from one company that bottom soil composition determines growth also. Cost for adding soil sampling increases the cost. Estimates around \$2,000 and up. Recommended to do in June to early July depending on weather for growth. Randy Heltemes made a motion to hire a company to do a lake survey, cost not to exceed \$3,000. Bob Koll seconded and the motion was approved unanimously. **Grant Possibilities for AIS (Aquatic Invasive Species) Control**

Pat communicated to the board that he is looking at a grant for the DNR to provide interns at the west public access to check boats. A motion was made and approved to have Pat look into this grant.

Lake Shamineau Lake Improvement District (LSLID) Committee

The goal of this committee is to learn about and

plan for a possible Lake Improvement District for Lake Shamineau. A motion was made and approved to have Pat Held set up a meeting with the volunteers in February with Don Hickman of the Initiative Foundation, who has indicated he will help guide us through the process.

Richard Lindemeier of Lake Alexander has emailed Bob Koll a brief list of the steps to take and the first step is to form the committee and create a lake management plan. Then at a general meeting of all property owners, the purpose and responsibilities of the LSLID are explained. Also how property owners are assessed as a special assessment on their property tax statements, one assessment per property owner regardless of how many lots they own. If approved at the meeting to go forward, a letter is sent to each property owner to approve or not approve the LID. Sixty percent or more voting yes is required and then the request goes to the Morrison County Commissioners for their approval. If approved, the next step is a Lake Management Plan and formation of a Board for the LID (recommend 5 members). The LIS is then responsible for implementing the plan as written.

The Lake Alexander website includes their LID meeting minutes for more information on their experience and their assessments (see <u>http://www.minnesotawaters.org/group/lakealex/welc</u> <u>ome</u>). Crookneck Lake has a Lake Improvement District (see <u>http://www.crooknecklake.com</u>). Fish Trap Lake also has a Lake Improvement District as well as has started an endowment with the Initiative

January 11, 2014 Board Minutes continued

Foundation to assist in the costs of maintaining and improving lake water quality (see http://fishtraplake.com/index.cfm/newsletters). Spring Membership Meeting

We hope to have the general LID information meeting as part of the spring membership meeting. Communication regarding this would be in the spring newsletter and in the Morrison County Record newspaper. Plans for the spring meeting will be determined after the LID committee meets.

Bog Removal Permit

Al Doree has applied for bog removal permit for Association members for 2014.

Building Permit Variance Notification

As in the past, the association president, Randy Heltemes, will receive variance notices and will be forwarding those to the board for awareness and in case individuals on the lake wish to express their opinions to the county.

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



SHAMINEAU ICE OVER: November 24, 2013 SHAMINEAU ICE OUT: April 30, 2014



Invasive Buckthorn near Lake Shamineau

By Mike Fedde

Buckthorn is very common in the Twin Cities and is causing havoc in the forested areas such as the regional parks and National Parks in river valleys. It is also common all the way up to Little Falls and Brainerd. It is sparse near Shamineau Lake, although it is present if you look closely. It basically will destroy a hardwood forest in a matter of decades if left unchecked. Probably will destroy pine forests as well.

The effect of this on the lakes will be increased erosion leading to silted lakes as well as destroying habitat for wildlife and then the wildlife. If you own land in the area, check for buckthorn and remove using techniques found later in this article.

Common buckthorn (Rhamnus cathartica) was first brought to Minnesota from Europe in the mid-1800s as a very popular hedging material. Shortly after its introduction here, it was found to be quite invasive in natural areas. The nursery industry stopped selling it in the 1930s, but many buckthorn hedges may still be found in older neighborhoods throughout Minnesota.

Specifically why is buckthorn a problem:

- Out-competes native plants for nutrients, light, and moisture
- Degrades wildlife habitat
- Threatens the future of forests, wetlands, prairies, and other natural habitats
- Contributes to erosion by shading out other plants that grow on the forest floor
- Serves as host to other pests, such as crown rust fungus and soybean aphid
- Forms an impenetrable layer of vegetation
- Lacks "natural controls" like insects or disease that would curb its growth
- Provides poor nutrition for wildlife compared to native berries, so they consume more of it.
- Gives birds diarrhea that aids in spread of seeds. Here are some tips on controlling buckthorn:
- If less than 3/8 inch in diameter, remove by hand. Small seedlings can be pulled and will not re-sprout. If greater than 3/8 inch, use a hand tool that pulls the shrub out, such as an "Uprooter" or "Root Talon". Removing by hand is easier if the soil is moist. Be aware of minimizing soil disturbance and tap soil and plants back into place after pulling plants.
- If pulling individual plants is impractical, spray foliage of short buckthorn or seedlings with a herbicide. Glyphosate (one brand name is Roundup) will kill all actively growing vegetation on which it is sprayed. Triclopyr will kill broadleaf plants and will not harm grasses.
- Buckthorn plants that are two inches in diameter or larger, are best controlled by cutting the stem at the soil surface and then cover or treat the stump to

prevent re-sprouting. This can be effectively done with hand tools (for a few plants), chain saws or brush cutters.

 If only cutting a few stumps, they can be covered with a tin can or black plastic to prevent resprouting. Otherwise, stumps should

be treated immediately

after cutting (within 2 hours) with a herbicide containing Triclopyr (such as Ortho Brush-B-Gon or Garlon 3A or 4) or Glyphosate (Roundup) to prevent re-sprouting.

The best time to cut and chemically treat the stumps is in late summer and throughout the fall. Avoid treating buckthorn in May and June when the tree is putting out leaves as the herbicide will be less effective at this time then during the rest of the year.

Herbicides can be applied to cut stumps with a paintbrush, wick applicator or a low volume sprayer. When using water-soluble herbicide products like Ortho Brush-B-Gon, Garlon 3A, or any of the Glyphosate products, treat only the cut surface. When using oil-based products like Garlon 4 or Pathfinder II, treat the cut surface and the remaining bark to the ground line. In cases where more than a few plants are treated, add an indicator dye (available where pesticides are sold) to the herbicide to mark cut stumps you have sprayed. Colored flags can also help mark cut stumps. When buckthorn is cut, the stumps are easily covered and lost under cut brush.

Chemical treatment in the winter: Buckthorn can be treated throughout the fall and winter. Follow herbicide label instructions regarding temperatures at which the herbicide can be applied. Water-soluble herbicides like glyphosate (Roundup, Rodeo, etc.) or triclopyr amine (Garlon 3A, Brush-B-Gone, etc.) can be applied to cut stumps when the temperature is above freezing (32^0 F) . Oil-based products of triclopyr ester (Garlon 4, Pathfnder II) can be applied when the temperature is below freezing (below 32^0 F).

Buckthorn seeds in the soil can remain viable for up to five years. Follow-up control of seedlings that emerge after initial control efforts is important on all sites. With no follow-up control, buckthorn will come back. Fire offers a long-term management option in grassland or savanna cover-types. Burning will need to be done every two to three years. If burning is not an option, a follow up treatment of the seedlings (pulling or spraying) is needed.

Lake Shamineau Association PO Box 152 Motley, MN 56466 Website: www.minnesotawaters.org/group/shamineau Email: LakeShamineau@gmail.com

2014 Lake Shamineau Association Membership Form Thank you for supporting your Lake Shamineau Association! Date				
 Name en	nail			
Mailing address	City	St	_ Zip	
I Phone () Lake Address				
Please send the newsletter via email				
Membership: Property Owner \$20 (1 Year)	\$55 (3 year)		iate Member \$10	
I \$	Quality 🗌 Wildlife	Fisheries	S 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				

PAID ADVERTISEMENTS Lake Shamineau Association Newsletter Spring 2014



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PAID ADVERTISEMENTS Spring 2014





PAID ADVERTISEMENTS Lake Shamineau Association Newsletter Spring 2014



Advertising Opportunity

Place your ad in the non-profit Lake Shamineau Association Newsletter & Website for coverage around Lake Shamineau and beyond.

Newsletter circulation is 350, sent twice a year to property owners on the lake. Black and white 8-1/2" X 11" multi-page format. Website is www.minnesotawaters.org/group/shamineau.

Publication: 2 issues annually, with delivery prior to Labor Day and Memorial Day

Deadline for Submissions: 4/15 or 7/15

Rate: (2 issues and website included). \$50 for $\frac{1}{8}$ page (4" X 2"; business card size). \$100 for 1/4 page \$200 for 1/2 page \$400 for full page (81/2" X 11")

Contact: Bob Koll, Sales Coordinator, 218-575-2577

Layout: Send text or copy to LakeNewsletter@msn.com. Talk to Jacquie (763-441-7239) for assistance with layout.

> ____ Submit to Lake Shamineau Association _____ P.O. Box 152

Motlev 56466

Yes! I am interested in placing an advertisement in The Lake Shamineau Association Newsletter and Website.

Business Name:

Description of service or products:

Location:

Phone; Email; Website: _____

Contact Person: Phone: Email:

Please patronize our advertisers' businesses!

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