

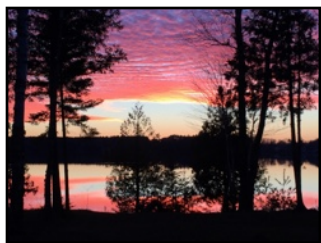


NEWSLETTER

P.O Box 2734, Warba, MN 55793-9710

Letter from the President

Paul Durkee, President



upload your favorite lake photos, this page will be used to provide information on upcoming events and opportunities to volunteer.

For those of you who attended the annual meeting we had speakers from Itasca County and Enbridge Pipeline. They were very informative and certainly the speakers from Enbridge created some lively discussion regarding the abandonment of line 3. There is more information in a separate article regarding how they will do this.

Shallow Sand Lake Association does its business with volunteers. If we have volunteers to undertake the typical activities and events – think Fishing Contest, 4th of July Boat Parade, Ice Cream Social, etc, they will happen! It is pretty straight forward. If you can spare some time, please consider volunteering to support the association activities.

Summer is over! Fall is upon us with all its color. I hope you have been checking out all of the beautiful photos of Shallow Lake on the associations Facebook page - Shallow/Sand Lake Association. In addition to being a place for you to

This past summer, we did not have the Fishing Contest or the Boat Parade. At the annual meeting, we discussed the continuation of these important events. For the Fishing Contest, Bob Buske and Doug Dietz will be the co-chairs and will be organizing the event for next summer. As for the Boat Parade the board took on the comments we heard at the annual meeting and have determined that the parade should go on! However, decorating your pontoon or boat is optional. Again, look for information next spring regarding both of these events.

Our lake community is important and we want to make sure everyone that owns property on and adjacent to Shallow and Sand lakes will consider joining the association. If you have new neighbors tell them about the association!

We will continue to work events where everyone has an opportunity to take part and also continue to provide education regarding our lakes and protecting them from aquatic invasive species (AIS).

Enjoy the changing seasons and look for our next newsletter in the spring and check us out on Facebook!

Paul Durkee
Office of the President



HOT TOPICS INSIDE THIS ISSUE

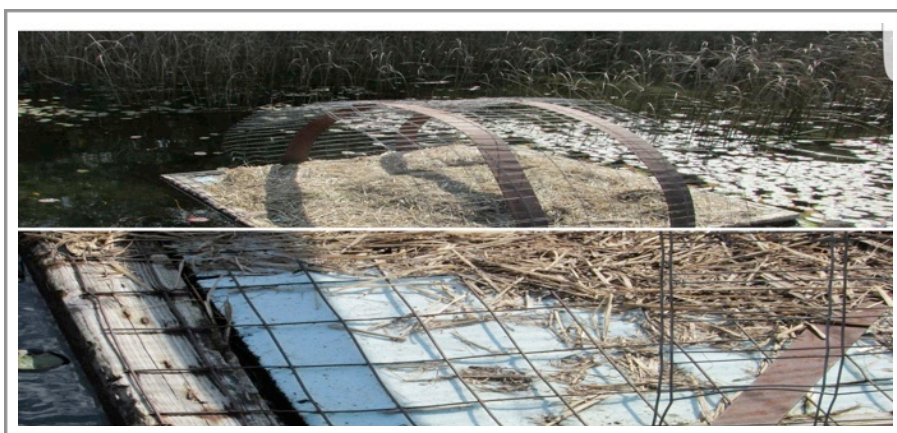
- Letter from the President
- Loon Nest Platforms
- Meet Your Neighbor
- New Board Members
- New Facebook Page
- Important Dates
- ICOLA/DNR News
- AIS
- Keeping Up with Enbridge
- Community Info





LOON NEST PLATFORMS

The board has agreed to the construction of at least three loon nests – two for Shallow Lake and one for Sand Lake. We all love watching the loons on our two lakes, their calls are always incredible whenever you hear them. It has been shown in Minnesota and other states with nesting loons that artificial nesting platforms will increase hatching success by over 25%. By adding a simple cover, see the photo, the success even increases when the loons and their chicks are protected from avian predators. This winter several volunteers: Jared Thompson, Rick Bodin, Doug Dietz and Paul Durkee will be building them and placing them as soon as the ice goes out in the spring. The lake association will be purchasing the nest materials and will be responsible for the ongoing maintenance of the nest platforms. It will be interesting to see the results next summer and the years to come.



Sample of Loon Nest Platform

MEET YOUR NEIGHBOR



Jared and Kate Thompson moved from Mankato, MN to the Shallow Lake neighborhood where they own land and are in the process of building a home. Jared is a retired RN and volunteers as a member of Itasca County Search & Rescue. Kate works part-time for the Move It Real Estate Group. Between them they have 4 children and 8 grandchildren.

Besides working on new house construction, they enjoy camping, hiking, nature, and traveling.

They are thoroughly enjoying their “little slice of heaven” on Shallow Lake and have found the people they have met here to be very kind and friendly.



2016-2017 ANNUAL MEMBERSHIP DUES

Please remember to renew your membership to our Lake Association. Annual dues are \$15 and payable to:

Shallow/Sand Lake Association
PO Box 2734
Warba, MN 55793



MEET YOUR NEW BOARD MEMBERS



Andrea Heldt

I grew up in Brainerd, MN, then attended Moorhead State for my undergraduate degree. I then attended pharmacy school at UMD. During that time, I met my husband Jeremy, and we were married in 2008. After graduation, we decided to ditch the Minnesota winters for awhile and we moved to Pinehurst, North Carolina. We enjoyed working for a large

hospital for 3 years. When we decided to expand our family, so we moved back to Minnesota. The caveat was that it had to be somewhere on a lake, which is how we landed on Shallow Lake. We have been thoroughly enjoying lake life since 2013. Both Jeremy and I work for Grand Itasca, and our lives have been brightened with our daughter Luella (LuLu) in 2014.



You can find us out on the pontoon, kayaking, or taking long stroller walks around the lake. I am excited to be a board member of the lake association!



Kate Thompson

Kate Thompson is a Dallas native. She moved to Mankato, MN in 2011 and has lived in the Shallow Lake neighborhood since 2014. She works at Move It Real Estate Group in Grand Rapids and in her free time enjoys spending time with her family, kayaking, reading, and amateur photography. She is passionate about the environment and is excited to serve on the Shallow/Sand Lake Assoc. Board.



<https://www.facebook.com/groups/1069219389836059/?ref=bookmarks>

Come join our new Facebook page!
Andrea Heldt -Administrator



Dates, Dates, Dates

2017 Shallow/Sand Lake Schedule of Events

The scheduled meetings of the Shallow/Sand Lake Association Board and locations.

May 6, 2017 9:00AM-Andrea Heldt

July 15, 2017 9:00AM-Kate Thompson

August 19, 2017 9:30AM(Annual Meeting)-Bethel Lutheran Church,
Warba

September 30, 2017 9:00AM-Paul Durkee

Fishing Contest-June 17th, 2017 (Bob Buske, Doug Dietz Co-Chairs)

4th of July Boat Parade- 12:00 Noon-Ice Cream Social to follow

Itasca County Soil and Water Conservation District

Andy Arens provided very good information during his talk at the Annual meeting regarding the work of the Itasca County Soil and Water Conservation District. The following is a list of Andy's team and their specialties.

If you have any questions regarding water resources, wetlands, shore-land improvement or AIS, please contact them!

The Itasca SWCD technical staff consists of:

- Andy Arens, District Manager and Water Plan Coordinator; ext 102, andy.arens@itascaswcd.org
- Matt Johnson, Wetland Specialist; ext 103, matt.johnson@itascaswcd.org
- Kim Yankowiak, Water Resources Specialist; ext 104, kim.yankowiak@itascaswcd.org
- Mike Sauter, Forestry & Shoreland Technician; ext 105, mike.sauter@itascaswcd.org
- Chris Evans, Aquatic Invasive Species (AIS) Monitoring and Control Program Coordinator; ext 107, chris.evans@itascaswcd.org

The Itasca SWCD phone number is 218-326-0017, our website is www.itascaswcd.org, and our office address is 1889 E Hwy 2 on the east side of Grand Rapids.

info provided by Paul Durkee



Thank You Bob!

***The SSLA board would like to thank Bob Buske
for his work making repairs and trimming trees
at the boat landing.***





Hello ICOLA,

The DNR has recently announced that Starry Stonewort (a new form of Aquatic Invasive Species to Minnesota) has spread north from its first appearance on Lake Koronis, in Stearns County.

Some invasions have apparently been growing unnoticed until a large mass has built up, and is then revealed by the late-season emergence of the little telltale "stars."

Now is the time to survey your entire lake for this species and report immediately to the DNR if you find some of this stringy algae with the white "bulbils."

You can find images and more descriptions of Starry Stonewort via a Google search.

Here is the DNR press release. Please read carefully!

Tom Nelson
Itasca Coalition of Lake Associations
Join us at our meetings:
The third Wed of Feb, Apr, Jun, Jul, Oct,
at 7:00pm at the County Courthouse.
Our July meeting is in Marcell.

Please call or email any officer with questions.
Tom Nelson, President, 246-2588
nelso885@umn.edu

Stephanie Kessler, Vice President, 326-1130
stephakneeatoe@yahoo.com

Patty Gould St Aubin, Treasurer,
pgs@mchsi.com



Minnesota Department of Natural Resources

NEWS RELEASE

WWW.MNDNR.GOV

DNR NEWS – FOR IMMEDIATE RELEASE

Sept. 2, 2016

**Lake Winnibigoshish, Rice Lake, Moose Lake
starry stonewort confirmations may provide new clues**

Starry stonewort, an invasive species of macro algae, has been confirmed in Lake Winnibigoshish in Itasca and Cass counties, Moose Lake in Beltrami County and Rice Lake in Stearns County.



According to the Minnesota Department of Natural Resources, a resort owner on Moose Lake said he noticed a dense growth in the same area of the lake for several years. DNR invasive species specialists said the extent of the spread and depth of starry stonewort in Lake Winnibigoshish indicate it has also been there for several years. Rice Lake is connected to Lake Koronis and Mud Lake, where starry stonewort was first confirmed in Minnesota in August 2015.

“Since it was first confirmed in Minnesota, people are becoming more aware of how to identify starry stonewort and are bringing it to our attention,” said Heidi Wolf, DNR invasive species unit supervisor. “It is important for people to contact the DNR if they suspect they’ve found starry stonewort or any other aquatic invasive species.”

Lake Winnibigoshish is a popular 88-square-mile lake that is fed by and also flows into the Mississippi River. The DNR is investigating whether starry stonewort has spread into the river and other downstream lakes.

DNR invasive species specialists have confirmed starry stonewort extensively along the western and northwestern shores of Lake Winnibigoshish, including a public access. Because the infestation is widespread, current treatment options are limited, with efforts focusing on preventing spread within the lake and to other lakes.

Moose Lake is the fourth Beltrami County lake in which starry stonewort has been confirmed. Dense mats of starry stonewort are present across a wide range of the lake. Infestation is extensive, limiting current treatment options and putting the focus on preventing spread within the lake and to other lakes.

DNR invasive species specialists confirmed starry stonewort around the southwest public access of Rice Lake. A more extensive search is being conducted to determine the extent of the infestation and potential for treatment.

The new findings and details are consistent with some of the challenges in identifying starry stonewort. The DNR has recently investigated reports of starry stonewort that have turned out to be false.

“The telltale star-shaped bulbils for which it is named typically don’t appear until late in the season,” said DNR invasive species specialist Tim Plude. “If people see it in June or July, they’ll see what looks like heavy weed growth, and the bulbils aren’t easily visible until later in the year. They typically emerge in August and into the fall, which is why these new cases are being found now and why it’s a good time for everyone to look for it.”

DNR staff are collaborating with partners on an extensive, coordinated expansion of the search for starry stonewort. Meanwhile, aggressive treatment of isolated infestations on Turtle Lake and Upper Red Lake began last week, and treatment options are being discussed for Cass Lake, also in Beltrami County.

Starry stonewort are grass-like macro algae that may produce dense mats, which could interfere with use of the lake. The invasive algae also may choke out native plants. It is typically spread by lake users who transport fragments of the plant from an infested body of water.

These new infestations remind boaters and anglers to follow Minnesota laws to prevent the spread of aquatic invasive species:

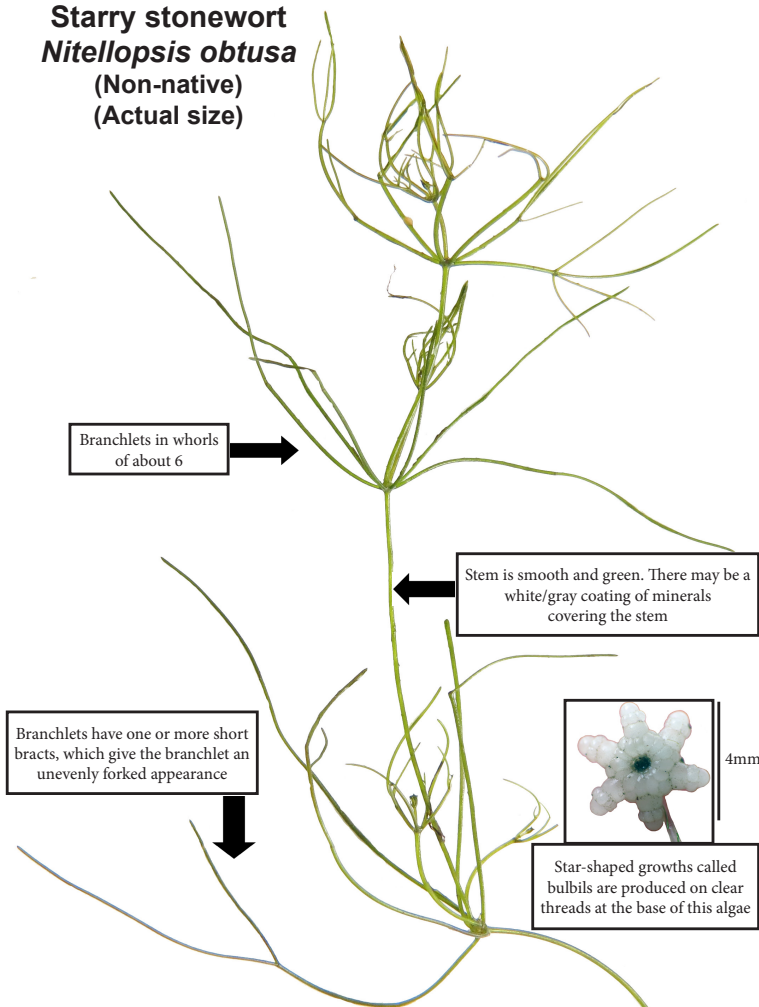
- Clean aquatic plants and animals from watercraft, along with mud and debris, which may carry starry stonewort bulbils.
- Drain all water by removing drain plugs and keep drain plugs out while transporting watercraft.
- Dispose of unwanted bait in the trash.

More information about aquatic invasive species and how to report them is available at www.mndnr.gov/ais.



AQUATIC INVASIVE SPECIES (AIS) AFFECT US ALL

Starry stonewort
Nitellopsis obtusa
(Non-native)
(Actual size)



STARRY STONEWORT

Nitellopsis obtusa

Starry stonewort is a type of non-native, aquatic algae from Europe and Asia. Unlike the microscopic algae that can make a water body green and cloudy, starry stonewort and its many native relatives in the Characeae family are anchored to the bottom of the lake, and can be well over a meter tall. These large algae resemble vascular plants, with structures that resemble stems and leaves.

Starry stonewort has been known to grow in dense stands that exclude other aquatic vegetation. These stands can also create a serious nuisance for boaters and other recreational users of lakes. This species has been documented in Wisconsin and several states to the east.

Description: Starry stonewort's main stem can be over two meters long, and typically has many

whorls of 4-8 leaf-like structures called *branchlets*. These branchlets can be several inches long. Lower branchlets are undivided, but upper branchlets may appear divided, due to a short *bract cell* that develops where the round, orange reproductive structures will eventually form. White *bulbils* are formed in the sediments on clear threads called *rhizoids*. *Nodes* along the stem can also turn into bulbils in late autumn.

Unlike most species of the related muskgrasses (*Chara* species), the stem of starry stonewort is smooth and generally bright green (unless covered in mineral deposits).

Habitat: Starry stonewort may grow anywhere from a few inches deep to 9 meters deep. It prefers hard-water lakes with marl sediments. This species can tolerate low light conditions, and may persist under ice cover in some lakes. Because of its likelihood to be transported by boating equipment, boat landings are good places to monitor for the introduction of starry stonewort. (continued on page 5)



Similar species: Starry stonewort is closely related to many other large, native algae, the most common ones being species of *Chara* (muskgrasses) and *Nitella* (stoneworts). All *Nitella* species have branchlets that fork near their ends, while starry stonewort branchlets do not fork. Most *Chara* species have rough stems covered in long, narrow cells; starry stonewort stems are smooth and do not have any long, narrow cells covering them. A couple of *Chara* species produce bulbils, but these tend to be ball-shaped, rather than star-shaped.

Management and Control: Manual removal of starry stonewort is difficult, but can be an option for small populations. Diver-assisted suction harvesting has been used to increase the efficiency of manually removing starry stonewort. Care must be taken to remove the bulbils as well, or these bulbils will sprout new individuals. Some chemical herbicides have been able to reduce starry stonewort, but effectiveness tends to decrease as the stands get taller and more dense. An effective biological control agent is not known at this time.

Only male starry stonewort has been documented in the United States. This means that there is no sexual reproduction taking place, and therefore, no production of seeds. All reproduction of starry stonewort here is via transportation of stem fragments or bulbils.

Bract cell - a short cell that forms beside a reproductive structure on a branchlet.

Branchlets - leaf-like structures, usually in whorls of 4-8.

Bulbils - starchy structures that are produced in the sediments or at nodes along the stem.

Node - a location where a branchlet meets a stem or branch.

Rhizoids - colorless, transparent threads in the sediments that provide stability and produce bulbils.

Information adapted from the following sources:

Sleith et al. 2015. Distribution of *Nitellopsis obtusa* (Characeae) in New York, USA. *Brittonia*. 67:2 166-172.

Skawinski, P.M. 2014. Aquatic Plants of the Upper Midwest, 2nd Ed. Available through the UW-Extension Lakes Program.



Wisconsin Citizen Lake Monitoring Network

www.uwsp.edu/cnr/uwexlakes/clmn



Clean Boats, Clean Waters

www.uwsp.edu/cnr/uwexlakes/cbcw



YouTube video of AIS in Minnesota
Please share and be aware

<https://www.youtube.com/watch?v=MS2frO0QWHI>



KEEPING UP WITH ENBRIDGE

EMAIL FROM PATRICK HUGHLEY



Hey Paul and Shallow Lake Association members,

Thanks so much for having Jim Goodman and I at the Shallow Lake Annual meeting this last Saturday, the breakfast was excellent! We really appreciated the opportunity to come talk with the Association about our operations, as well as our future projects and our commitment to safety. I think the conversation was lively, which means we had a good conversation with folks who care deeply about their environment and community. I hope we were able to answer most of your questions.

We had three outstanding questions that I have answers to here:

1)History of leaks near Shallow Lake?

Listed below are the federally reportable releases of a barrel or more of crude oil that have occurred near Shallow Lake since 2002. Reported releases required by the Pipeline and Hazardous Materials Safety Administration (PHMSA) include five gallons or more of released petroleum.

- 4/17/10 – near Deer River – 5 barrels
- 2/19/04 – near Grand Rapids – 1,003 barrels
- 7/04/02 – near Cohasset – 6,000 barrels

For additional perspective, according to the U.S. Pipeline and Hazardous Materials Safety Administration (PHMSA), pipelines are one of the safest and most cost-effective means to transport the extraordinary volumes of natural gas and hazardous liquid products that fuel our economy. To move the volume of even a modest pipeline, it would take a constant line of tanker trucks, about 750 per day, loading up and moving out every two minutes, 24 hours a day, seven days a week. The railroad-equivalent of this single pipeline would be a train of seventy-five 2,000-barrel tank rail cars every day. PHMSA.GOV Safe Pipelines FAQ August 2007

2)Age of pipelines in corridor near Shallow Lake?

Line 1: 1950, Line 2: 1957, Line 3: 1968, Line 4: mid-1990s, Line 13: 2010, Line 67: 2009.

3)How many feet is the Enbridge ROW from Shallow Lake and elevation change?

Approximately 300' in closest spot and change in elevation of 2' from Enbridge right of way to lake.

The handouts we had at the meeting have a lot of great information about our projects and operations, but please see below for some facts about Enbridge and a few links to more resources:

(continued on page 8)



Safety:

- We constantly monitor thousands of points along our system, and we keep track of every barrel to confirm that the amount of crude oil entering our pipelines precisely matches the amount we deliver.
- We also use computer models running live data from our systems to double-check our performance on the spot, and we gather input from our aerial and ground surveys, and from the public through hotlines.
- We constantly communicate with our neighbors and the communities where we operate, so that they are aware of the work we are doing and know how to stay safe around our facilities and pipelines.
- In-line inspection tools help us monitor our pipelines from the inside out. They use technology adapted from medical science, such as ultrasound and magnetics, to scan the walls of pipelines millimeter by millimeter

Projects:

- Before any construction occurs we work with landowners, indigenous governments, our neighbors, environmental groups and regulators to plan pipeline routes that minimize environmental impact and land disturbance.
- \$5 billion regional private investment between Sandpiper and Line 3.
- Provide approximately 3000 local job opportunities during construction in Minnesota, with the expectation that about half of the construction jobs will be filled by Minnesotans.
- Sandpiper will provide approximately \$25 million in additional annual property tax revenues in Minnesota in its first year of operation.
- Line 3 replacement will provide approximately \$19.5 million in additional annual property tax revenues in Minnesota in its first year of operation.
- Increase revenue at local hospitality and other businesses providing equipment, supplies and materials.

For a lot more info on Enbridge and our projects, please follow these links:

- <http://minnesotaprojects.enbridge.com/enbridge-facts>
- <http://minnesotaprojects.enbridge.com/>
- <http://minnesotaprojects.enbridge.com/take-action>

Again, appreciate the opportunity to speak with the Association.

Patrick Hughley

Stakeholder Relations Specialist, U.S. Public Affairs, Liquids & Projects

ENBRIDGE

TEL: 218-464-5654 | Cell: 218-491-1544

4628 Mike Colalillio Drive, Duluth, MN 55807

www.enbridge.com





Community Information



Church Service Times

Bethel Lutheran Church	9:00 a.m.
Warba Presbyterian Church	6:00 p.m.
(128 Second Ave)	
Sunday School	6:15 p.m..



Post Office Hours

492-4505

The window is open:

Mon-Fri 8:30 a.m. to 12:00 p.m.

1:00 p.m. to 3:30 p.m.

Saturday 8:00 a.m. to 10:00 a.m.

The lobby is open 24 hours a day
to drop off outgoing mail and to pick up mail
from Post Office boxes.

Dump/ Recycle drop off Hours

Solid Waste Transfer Station—Swan River

Winter Hours

9-15-16 thru 4-14-17

Friday, Saturday, Monday

8:30AM-4:30PM

Feeley Township Board of Directors

Chairperson-Barb Vadnais 218-390-5108

Clerk-Cathy King 492-4191

Treasurer-Shirley Johnson 492-4215

Mark Seeley* 492-1650

Brian Maasch* 492-1589

*denotes Feeley TS board member



3rd Thursday of the Month

November 17th

December 15th

January 19th

February 16th

*Contact Penny Clements
if you will be attending
218-259-0708 cell*



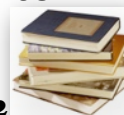
The Shallow Lake Book Club

The group meets once a month.

Time and date varies and

is scheduled at monthly meeting.

Contact Mary Jo Swanson if interested



218-492-1622



Community Information

(cont'd from page 5)

Crafty So 'N Sews

Have fun crafting with the

"Crafty So 'N Sews"

currently meeting every Monday morning at Bethel Lutheran Church. Meet at 9:30 AM to work on a variety of projects.

Summer schedule may change.

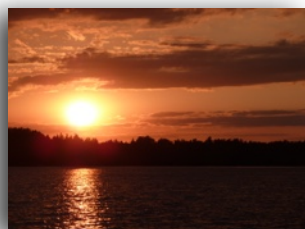
Corinne Schlueter (630-292-9079) is your coordinator. The group has a light lunch after they are done crafting. Come join the fun!

Canopy



A \$25.00 Rental Fee plus a \$50.00 deposit is required when receiving the canopy. Upon return of the canopy, \$50.00 will be returned to the user providing the canopy has not been damaged in any way. Two separate checks are preferable for easy deposit returns.

Contact: Paul Durkee 612-889-0748



SHALLOW/SAND LAKE ASSOCIATION BOARD MEMBERS AND OFFICERS

President-Paul Durkee

Vice President-Jan Bilden

Secretary-Tim Scherkenbach

Treasurer-Fay Klande

Andrea Heldt

Board Shirley Foust

Members Doug Deitz

Kate Thompson

Thank you for volunteering!!!!



FEELEY TOWNSHIP BOARD

The Feeley Township Board welcomes all interested residents to attend any or all meetings that they wish. They are held at the Feeley Township Hall on Hwy 10 north of Hwy 2 at 7 PM every 2nd Wednesday of the month. The Fire, Recreation and Cemetery Boards meet quarterly.

If anyone has an item for our agenda, please contact

Cathy King (township clerk) at
218-492-4191.

For additional information check the post office bulletin board.

(information provided by
Barb Vadnais)



Membership Renewal Reminder



Please return this portion with your annual membership dues of \$15 payable to:

The Shallow/Sand Lake Association

Name_____

Lake Address_____

Mailing address (if different from above)_____

Email Address_____

Phone_____

Paid_____

Not Paid_____

(Office use)

Dues fulfill membership from September 1st, 2016 to August 31st, 2017

Shallow Sand Lake Association

P.O. Box 2734

Warba, MN 55793

Facebook page: <https://www.facebook.com/groups/1069219389836059/?ref=bookmarks>

COMPLIMENTARY COPY