

HC COLA Committee Reports for 8-27-2020:

Education Team:

- 1) **HC COLA and UMN Extension partner for 2 virtual workshops on Lawns & Lakes – There is a Connection** – free and open to the public, taught by Karen Terry, retired Water Resource Management, University of Minnesota Extension. **Please help us get the word out to your lakeshore owners on your lake!** They'll learn techniques for changing their own lawns to help improve water quality. Reach out to your gifted gardeners too! Engage them in the Shoreland Advisors workshop so they can coach others with ideas for gardening lake friendly! These workshops will help us prepare for the **autumn “Restore the Shore” orders** also. The event pdf file is on our website <http://www.hubbardcolamn.org/news-and-events.html>



Two virtual workshops, taught by Karen Terry, retired Water Resource Management, University of Minnesota Extension will be offered this September. The first will be on Tuesday evening, September 22 at 6:30 p.m. and will include an overview of the connection between land use and water quality. Our lawn is our own mini watershed. Through the method of “systems thinking” individuals will learn techniques for changing their own lawns to help improve water quality.

The second workshop, held on Tuesday evening, September 29 at 6:30 p.m. is tailored toward individuals willing to volunteer their time as “Shoreland Advisors” to help others explore ways that they can help us all achieve healthy water quality in our lakes.



Both workshops will include time for Q & A. These sessions will be recorded and made available for future use. Resource materials will be available either electronically or as hard copy. Attend one or both of the virtual workshops.

Sponsored by Hubbard County University of Minnesota Extension and Hubbard County Coalition of Lake Associations (HC COLA), these programs are free and open to the public.

INSTRUCTOR: Karen Terry, Retired Water Resource Management

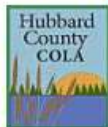
DATE: Tuesday, September 22, 2020 and/or Tuesday September 29, 2020

TIME: 6:30 p.m. to 7:30 p.m.

PLACE: Virtual class via Zoom; details on how to join will be sent after you register

EMAIL REGISTRATION: hccolamn@gmail.com

Follow us on **Hubbard County Extension** Facebook page.



Hubbard County COLA website:
www.hubbardcolamn.org



2) **MAISRC Showcase** – online – Sept 22-24, Noon to 4:30 PM Each Day Registration Info here:

<http://www.hubbardcolumn.org/news-and-events.html>



The banner features the Minnesota Aquatic Invasive Species Research Center logo at the top, a close-up photograph of clams in the middle, and a dark red bar at the bottom with the text "REGISTRATION NOW OPEN!". Below the banner is a text block and a "Click to Register!" button.

MINNESOTA AQUATIC INVASIVE SPECIES RESEARCH CENTER

REGISTRATION NOW OPEN!

Join us the afternoons of **Sept. 22-24, 2020** for the fully online MAISRC Research and Management Showcase. The conference will run from noon to roughly 4:30 p.m. each day. The cost savings of holding the event online have allowed us to reduce the registration fee to just \$10. However, if you would like to further support MAISRC and our research, please consider [adding a donation](#). Donations help us fund future studies and rapid response projects.

Click to Register!

AIS Operating Team:

1) Update from Rich Halvorson, President of Big Mantrap Lake Association:

Here is the PLM map of ProCellaCOR Treatment Tracks by BML public access on 7-22-2020:



2) Update on Zebra Mussel Containment on Long Lake:

- a) The Fall Slam Tournament will now be on Fish Hook Sat 9/12 and Long on Sun 9/13. The organizer worked with the DNR to switch the dates around and is also promoting the use of the HC decontamination station and its close proximity to both lakes. Nick Macklem has confirmed that there is wide coverage the week of pre-fishing on both lakes too.
- b) The Long Lake Area Association (Hubbard County) Inc continues the communications for Long Lake lakeshore owners and the public through a series of E-Blasts, posts on Facebook and blog articles for to educate and prevent the spread of AIS. <https://www.longlakeliving.org/>
- c) LLAA AIS Prevention Coordinator and team continues series of activities based on plan.

Water Monitoring Team:

- 1) **Final Water Monitoring** for the Season is Sun 9/20/2020 and Mon 9/21/2020 with coolers to Charlies for the shuttle trailer between 9 and 11 AM on Monday 9/21. You may bring your integrated sampler along too so it can be cleaned and stored for the winter.

- 2) **RMB Family Friendly activities around water monitoring** – see the September activity sheet:

<https://www.rmbel.info/wp-content/uploads/2020/04/Kids-Program-Booklet-04222020-1.pdf>

SEPTEMBER

Winter is on its way! Thank you for taking time each month to learn more about lakes! Even though lakes look dormant in the winter, there is a lot of life down beneath the ice!

Match the animal to its winter home. Write the picture number on the line below next to its correct winter home description, to learn more about what the animals are doing during the winter.

1. This winter I am going to curl up in my home made of trees. I am busy all summer building my shelter. Then during the winter I stay in my home and only leave to get food from under the ice. The only way to tell if I am home over the winter, is to look at the top of my home and see if all the snow melted off due to the heat my body produces.

2. I don't like the cold or the snow and all of my food is locked away under the ice all winter long. I must travel to a warmer place to survive the winter months. Sometimes I go as far south as the Caribbean.

3. I hibernate all winter long. Often times I nestle into the mud for a long winters nap!

4. During the winter, I become more active during the day. I use openings in the ice and will sometimes even break through beaver dams to gain access to rivers and other waters.

5. I tend to move to the bottom of lakes where the warmer water is in the winter. I am a cold-blooded animal, so my body temperature changes with my surroundings and I become less active during winter months.

6. I can be found in my nymph (baby) stage beneath the ice. I will feed and grow all winter long, so that I can emerge in my adult form in the spring.

Monthly Spotlight
Certain species of cod, flatfish and polar fish have a reduced metabolic rate and produce antifreeze molecules called glycoprotein to reduce the freezing point of their body fluids. It's the fishy version of bears hibernating.

List one place on your lake you think an animal might use as a winter home:

Don't forget to do the back!