

Maple Lake Improvement District

NEWSLETTER

Spring 2021



Website: www.maplelakedistrict.com / Email: info@maplelakedistrict.com / Mailing address: PO Box 41, Mentor, MN 56736

AIS Task Force Purchases Boat Cleaning System

The Polk County Aquatic Invasive Species (AIS) Task Force made a recent purchase to help protect waterways in Polk County. The Polk County Commissioners authorized the Task Force to use state grant funding that was saved in prior years to purchase a CD3 Wayside Solar Boat Cleaning Station from a MN based company CD3 systems.



The theory behind the CD3 Boat Cleaning Station is to clean, drain, and dry boats. This makes the boats uninhabitable for AIS, as they need water to survive.

There are four tools included on the station:

- Wet-Dry Vac
- Air Compressor
- A grabber tool for weeds
- A brush

The CD3 will be stationed at the East Shore boat landing on Maple Lake during the 2021 boating season.

It's totally free! So, when you see the CDs Boat Cleaning Stations, clean your boats and stop the spread of anything that you bring lake to lake.

Mosquito Spray Dates

Maple Lake Improvement District provides mosquito spraying for the residents in the District. MLID tries to schedule the sprays around holidays and weekends and if the summer is especially wet, more sprays will be added. Below are scheduled spray dates for the 2021 summer:

- May 26
- June 2
- June 16
- June 30
- July 14
- July 28
- August 11
- August 25



Mentor Volunteer Fire Dept. Water Rescue Training

On March 6th, the Mentor Fire Dept used the aerator open water area to do some water rescue training. It's great that the aerator can do double duty – keeping the oxygen level up for the fish and giving the Fire Department a place for training!



Boating Safety and Etiquette

A few boating safety tips and regulations from the DNR:

- Wear your life jacket and make sure children wear there's.
- Booze and boating don't mix.
- Water-skiing, tubing and wake surfing are prohibited between 1/2 hour after sunset to sunrise the following day.
- Operation of jet skis is permitted only from 9:30 am to 1 hour before sunset.

Boating Etiquette

- Own your own wake and stay at least 200 feet from the shoreline and other boaters.
- Keep tunes in check. Sound is amplified over the water so keep the music at a decent level.
- Do not throw garbage overboard.

Notifications From MLID

The MLID Board would like to have the ability to send out notices to the property owners and to send future newsletters electronically. If you would like to receive notices and electronic newsletters, please go to: www.maplelakedistrict.com to sign up. The Board would also like to let all property owners know that if there are concerns, there is a spot on the website to send messages to the board. *Follow us on Facebook!*

Annual Meeting

The Maple Lake Improvement District's Annual Meeting will be on Saturday, July 10, 2021 at 9:00 a.m. at the Mentor Community Center.

You will hear from representatives from the Polk County Sheriff's Dept, Assessor, Planning & Zoning and your County Commissioner. Reps from the MN DNR, Polk Soil & Water, Red Lake Watershed and your local township will be present with a report for the attendees.

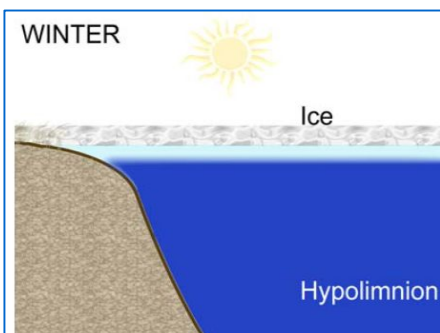
There will be an election for 2 open board seats. If you would like to be on the ballot to become a board member, please contact a board member, or Sec'y Bonnie Abel at bonnierabel@gmail.com before June 1st.

Spring Lake Turnover

Quite often, in the spring, the board gets questioned why there is muck or slime on the lake. The reason is most likely from the lake "turning over". The spring thaw triggers spring lake turnover, a critical phenomenon on which aquatic plant and animal life depends.

Spring lake turnover is the process by which a lake mixes itself, thereby replenishing its oxygen supply. Oxygen is vital for lake aquatic plants and animals.

So how does a body of water accumulate oxygen? We'll begin our spring lake turnover story in autumn. In the fall, a lake cools until it reaches a uniform 39°F. As the lake continues to cool it becomes stratified – the heavy, 39°F water stays on the bottom, while the water near the top is chilled by the below freezing air temperatures. Ice, less dense than water, forms when the lake's surface temperature reaches 32°F. The ice acts as a barrier to wind,



Golf Cart & ATV Regulations

When driving a golf cart on the road, the operator must possess a driver's license. If law enforcement stops someone driving a golf cart that doesn't have a driver's license, they will ask them to park the cart and the deputy will go and visit with their parents.

When using an ATV, anyone born after July 1987 is required to have a safety certification. If riding on the roadway, a driver's license is required.

If you have a complaint of any kind regarding ATVs or golf carts on the lake roads, you can call the Sheriff's department at 218-281-0431.

which prevents the lake water from mixing and inhibits the lake's exchange with oxygen in the atmosphere. Once a lake is frozen, the depletion of oxygen by the lake organisms begins.

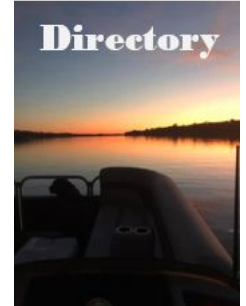
When spring arrives and the ice cover melts, exposing the surface to warmer temperatures and vigorous winds. When the surface water warms to 39°F, it sinks, pushing through the deeper water and infusing it with oxygen. This process creates a powerful convection current that continues to churn until all the lake water is an even 39°F and the water has reached its oxygen saturation.

In late spring and early summer, solar energy warms the water's surface. Warmer water, being less dense than colder water, remains on the surface and the lake once again begins to stratify. Swimmers routinely experience the phenomenon of summer stratification, usually preferring the warm layer of surface water to the more frigid depths below.



2021-2022 Directory

The new Directory is in the process of getting printed. The board members will personally deliver them to your door over Memorial Day weekend.



Keep an eye out for them!

2020-2021 Board Members

President: Brian Floan (2024)
12417 Maple Lake Dr SE, Mentor, MN
Ph: 218-574-2345

Vice President: Michael Moore (2021)
34643 E. Trinity Point Rd, Mentor, MN
Ph: 218-687-3637

Loren Abel (2023)
12039 Maple Lake Dr SE, Mentor, MN
Ph: 218-574-2010

Jim Baune (2022)
12227 Maple Lake Dr SE, Mentor, MN
Ph: 218-779-5295

Roger Behm (2024)
13012 Elmer Hanson Dr SE, Mentor, MN
Ph: 218-850-2979

Dwight Kouba (2021)
1504 Walnut St, Grand Forks, ND
Ph: 701-740-3639

Brian Wavra (2023)
1118 21st St NW, East Grand Forks, MN
Ph: 218-773-3083

Once summer stratification occurs, the lake water no longer mixes, and the depletion of oxygen reserves begins. The oxygen levels will continue to deplete until fall, when the air temperatures drop, the surface cools, and the lake water is again blended – and re-oxygenated – at 39°F. The cycle continues.

