

LOWER LONG LAKE NEWS

Lower Long Lake Protection & Rehabilitation District

Letter from the Chair...

As always, I thank all members of our Long Lake family, for it is ONLY through everyone's efforts the District is successful. But there are a lot of individuals that really do go above and beyond. Loon Watcher Extraordinaire, **Don Zimmerman**, keeps us posted not only on all the Loon's comings and goings, including the hatching of four fuzzy Loon chicks, but some of the most fabulous photographs of the plethora of flora and fauna Long Lake has to offer. Both successful Loon pairs had the benefit of the floating Loon nest platforms that were built by **Jim Harvey** and **Ron Pribyl** a few years ago, which are subject to less predation and have less sensitivity to boat wakes and high water.

Last winter our journalist **Amanda Kostner** moved on, but we have had the great good fortune of **Kate Snowise** stepping up to fill those shoes, and then some. Kate has been managing the LLLPRD Facebook page and the email and Constituent list, keeping all of us informed on upcoming events and displaying the beautiful photographs from Don and others. She has now agreed to publish our two semiannual newsletters!

Sue Edstrom, **Kate Snowise**, and **Jill Brodd** have taken over the Welcoming and Hospitality Committee. Though everyone enjoyed "Coffee on the Dock" several times each summer, it seems that "Cocktails on the Shore" is even more popular with people delighting in drink and appetizer specials at Max's on the Lake.

LLLPRD Contacts

COMMISSIONERS

Chair: Kathy Kelly
715-379-4514

Treasurer: Jim Harvey
715-967-2080

Secretary: Tina Killey
715-579-0903

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COUNTY BOARD REP

Jim Flater 715-579-3947

AQUATIC INVASIVE SPECIES

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Nick Grewe

FISHERY

Ty Bernicke 715-832-1173

WELCOMING & HOSPITALITY

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Kate Snowise
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LLL FOUNDATION

Pat Kelly 715-577-9253
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NEWSLETTER

Send info to Kathy Kelly

In order to keep our water and lake quality, we have **Mark Edstrom** leading a team of AIS Inspectors, which translates Aquatic Invasive Species Inspectors, that diligently go out and make sure that none of the “wrong” flora or fauna find their way into Long Lake! We also hire a Clean Boat Clean Water inspector each summer to watch the landing at Morris-Erickson County Park (**Wayne Ankarlo** this year). And add the technology of our I-LID system that “barks” at all the boats to ensure they follow the clean boat rules, and takes pictures of their licenses just in case they don’t! Graciously each year **Gale Haas** installs the system and connects the internet to it and takes it down every fall. Last year he even drove the I-LID to Minneapolis for a little overhaul and update.

Although there are many, many more volunteers I want to thank, there is one in particular whose help and friendship I have come to rely on. Nine years ago I had never met **Jim Harvey**, but Jenny Larson assured me that her neighbor would make a good board member. As he now leaves the board having served three terms as treasurer (and is still one of Mark’s AIS Inspectors), I truly will miss his help and institutional knowledge. We all owe Jim Harvey appreciation for his service over the last nine years!!!

As always, a big thank you to ALL members of our Long Lake family! Please continue to be courteous of our lake and your neighbors! Our focus is for everyone to have a safe and healthy summer on the lake.

Be sure to attend the **LLLPRD Annual Meeting on July 29, 2023, at 10:00 a.m., at the Sampson Town Hall.**

Kathy Kelly

COLUMNARIS BACTERIA

In June there were some reports of dead fish in the lake. **Joseph Gerbyshak**, the Chippewa County DNR Fish Biologist reported that the conditions have been perfect for a Columnaris Bacteria Outbreak. Bluegill and Crappie get hit the hardest because they are already stressed from spawning not long ago, but other species can be affected as well. This is a natural process and will pass with time as the condition for the bacteria to proliferate become less favorable, and there is likely no reason for concern.



Welcoming and Hospitality

Our first Cocktails on the Dock event for the year was held over Memorial Day Weekend. Thanks to Max's on the Lake for hosting us! We had a fantastic turnout and it was a wonderful way to kick off summer with the glorious weather we had that weekend.

Thanks so much to **Dave Roll** from **FigaRo Productions** for the fantastic drone photography of our group out on Max's dock!



Be sure to join us for our upcoming events on July 15th and August 26th @ Max's on the Lake.



SUMMER EVENTS 2023

Cocktails on the Dock:

Saturdays

- July 15
- August 26

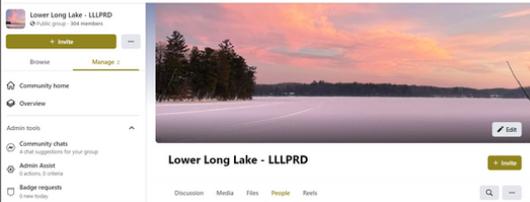
4-6PM

Max's on the Lake



Join Us on Facebook

For event and meeting reminders, general happenings on the lake, and breathtaking scenery and wildlife photography, visit and join the **Lower Long Lake - LLLPRD** page on Facebook.



Love to paddle board or kayak?



Get together with other paddlers on Tuesday mornings at 8:30 am. Meet at Babbit's Point.

Paddling will be canceled or postponed to the evening (7:00 pm) same day, if the weather does not cooperate!

Need to drive to be closer or borrow a kayak? Contact Diann Pribyl. 715-967-2737



LLLPRD ANNUAL BUDGET

<u>Category</u>	<u>2023</u>	<u>2024</u>
Fish/Water Quality	\$0	\$0
Watercraft Inspector	\$4,375	\$4,500
AIS Camera (I-LID)	\$3,000	\$3,100
Office Supplies	\$225	\$225
Liability Insurance	\$1,200	\$1,200
Training/Conferences	\$150	\$150
Memberships (WAL/CVORA)	\$270	\$270
Publicity (News/Web/COD)	\$2,000	\$2,010
Maintenance (Buoys/Signs)	\$0	\$0
<u>Reserve</u>	<u>\$250</u>	<u>\$250</u>
Total	\$11,470	\$11,795
Grant Income	\$3,375	\$3,375
Levy Income	\$8,000	\$8,420



LOWER LONG LAKE FOUNDATION UPDATE AND NOTICE

Our Foundation will be electing two new Board Members at LLLPRD annual meeting.

Also, a vote will take place on amending Article 2.5 of the Foundation's Bylaws allowing electronic (email) Notice to Directors.



LLLPRD ANNUAL MEETING AND BUDGET HEARING

Saturday July 29, 2023, 10:00 a.m.
Sampson Town Hall, 10770 270 th Avenue,
New Auburn, WI

AGENDA

Call to order.

- Pledge of Allegiance
- Review and approve 2022 Annual Meeting Minutes
- Chair's Report

Committee Reports:

- Website and Facebook master - Kate Snowise
- Fish Committee - discussion of ongoing Walleye stocking- Ty Bernicke
- Report from Joseph Gerbyshak (DNR) pertaining to Walleye Survey conducted
- Publicity and Welcome Committee - Sue Edstrom, Kate Snowise, & Jill Brodd
- Water Quality - Chair Nick Grewe
- Aquatic Invasive Species Long Lake Monitor Team- Chair Mark Edstrom
- Aquatic Invasive Species Prevention Grant - CBCW Inspection
- Introduce CBCW Watercraft Inspector - Wayne Anklaro
- Report on Aquatic Invasive Species Surveillance/I-LID - Eric Lindberg (Gale Haas)
- Treasurer's Report and results of 2022 Audit
- Review and vote on the proposed 2023-2024 Budget. Determine the 2024 tax levy for the Lake District
- Long Lake Foundation: Report and election of two members
- Vote on Meeting Notice Resolution
- Nominating Committee Report. Elect one Lake District Board member
- Adjourn

Notice of LLLPRD Board Meeting **Saturday, July 29, 2023**

*Following the Annual Meeting Agenda: Election of Officers and
Set Date for next Board Meeting*

For further information, contact:
Kathy Kelly, 715-379-4514 or nelsonkitkat@aol.com

Beth Moos

Water Quality Update

Nick Grewe, Water Quality

Long Lake has a monthly monitoring record extending back to 1988. It has been sampled for Total Phosphorus (TP) and Chlorophyll-a (Chl-a), two important parameters when discussing lake health. Phosphorus is a nutrient that at high concentrations promotes excessive algal growth. Chl-a is a measure of the amount of photosynthetic compounds (algae) in the water column. Long Lake has a monthly monitoring record extending back to 1988. It has been sampled for Total Phosphorus (TP) and Chlorophyll-a (Chl-a),

two important parameters when discussing lake health. Phosphorus is a nutrient that at high concentrations promotes excessive algal growth. Chl-a is a measure of the amount of photosynthetic compounds (algae) in the water column. High TP tends to drive higher Chl-a concentrations. When the algae die off, the decomposition consumes oxygen leading to declines in dissolved oxygen (DO) which can negatively affect fish and other aquatic life. Up until 2022, DO had not been measured during monthly sampling. A new DO probe was purchased (YSI ProSolo Dissolved Oxygen Meter) to start measuring DO (and temperature), and to replace aging equipment. Long Lake was listed on the Wisconsin 303(d) Impaired Waters list for Phosphorus, back in 2014. It has a "Low" TMDL Priority rating indicating the DNR are not overly concerned at this point. Based on the lake's classification (See page 2-Story Fishery), the water quality standard for TP is 20 $\mu\text{g/L}$. The long-term average concentration is 23.3 $\mu\text{g/L}$ and the long-term median concentration is 16 $\mu\text{g/L}$. Over the last 10 years, 17 of the 74 samples (approx. 23%) exceeded the 20 $\mu\text{g/L}$ standard. Overall, the lake appears to be in good condition with no indication of decline (no increasing trend in TP). Given the size and shape of the lake, it is recommended the sampling program be expanded to include at least 4 additional monitoring locations to understand and spatial pattern in water quality. Candidate locations are shown in Figure 1. Coordination of added sampling locations should be done with Beaver Creek Reserve as they are responsible for the citizen's monitoring program on Long Lake. Identifying sources of phosphorus in Long Lake can be difficult. However, potential sources include watershed loading (more significant in watersheds with agricultural runoff), impervious lot runoff, lawn fertilizer, geese and other wildlife, and leaking septic systems. These potential sources have a greater chance of entering a water body that lacks sufficient buffer between lawn and lake. A dense vegetated buffer of 35 feet can help filter runoff before it enters the lake.



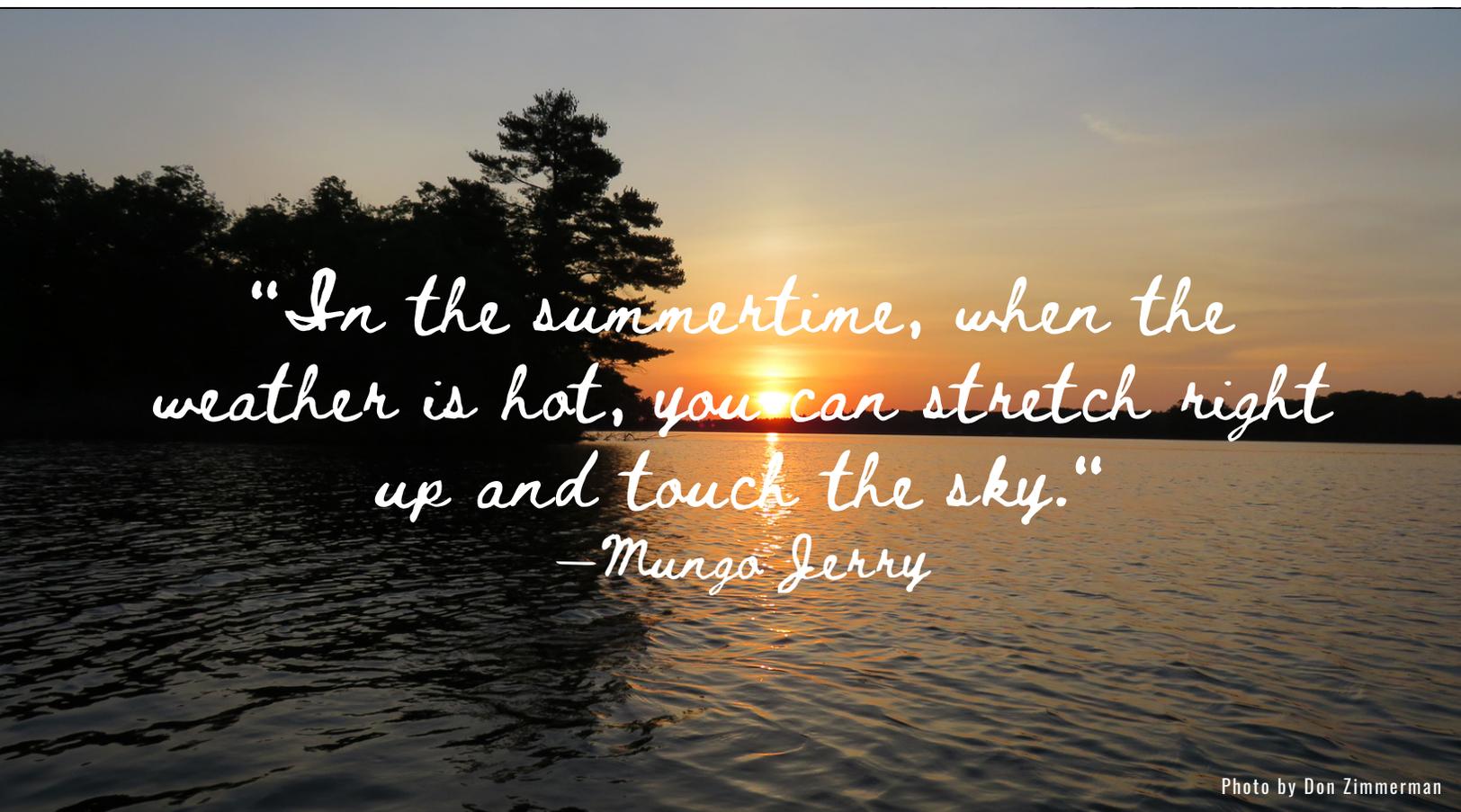
Figure 1. Existing (Deep Hole) and proposed sampling locations on Long Lake. Exact locations will be determined using contour maps.

Lower Long Lake News

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Shell Lake, WI 54871

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Unless otherwise noted, the photos in this newsletter were taken by Don Zimmerman.



*"In the summertime, when the weather is hot, you can stretch right up and touch the sky."
—Mungo Jerry*

Photo by Don Zimmerman