



Long Lake Association, Inc.  
PO BOX 257  
Interlochen, MI 49643

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Membership Dues Statement

**LLA ANNUAL DUES ENVELOPE ENCLOSED**

Welcome Back to Paradise Social Event

June 5, 2023 Starts at 5:00pm - Boone's Long Lake Inn

Discussion Meeting: 5:00pm

Deck Social: 6:00pm - 8:00pm

### 2023 Board Meeting Schedule

Board meetings are open to the membership for public comment at the beginning of the meeting.

Please contact a board member if you wish to be put on the agenda.

Board meetings begin at 5:00pm.

April 12 | Zoom Online

May 10 | Zoom Online

June 5 | 2023 Annual Discussion Meeting at 5:00 PM at Boone's Long Lake Inn

July 12 | Zoom Online

August 9 | Zoom Online

August 26 | 2023 Annual Meeting at 9:00 AM at Boone's Long Lake Inn

September 13 | Zoom Online

October 11 | Zoom Online

November 8 | Zoom Online if needed

#### CENTRAL DISPATCH NON-EMERGENCY - 231-922-4550

(non-emergency calls for service for Law Enforcement, Fire, and Emergency Medical Services)

**MARINE PATROL - 231-922-2112** (seasonal enforcement of boating laws on inland lakes)

**DNR REPORT ALL POACHING (RAP) line - 800-292-7800 (CALL OR TEXT)**

(If you witness loon harassment, poaching, etc.)

Try to get the MC number when reporting any incident.

Pictures and especially videos of the incident are beneficial.



Boat Wash at Charter Township of Long Lake | 8870 North Long Lake Rd.  
If you or your guests are coming from another lake please wash before you launch. **Let's keep invasive species out!**



# LONG LAKE NEWS

A PUBLICATION OF THE LONG LAKE ASSOCIATION



SPRING 2023 NEWSLETTER

JUNE 2023

## **PRESIDENT'S MESSAGE** | Brent Schnell

The Long Lake Association will continue to strive to accomplish our main mission “to preserve Long, Mickey, and Ruth Lakes as a natural resource and recreation area through protection and prudent use of its environs.” As part of this mission, we continue to have great success in controlling the levels of Eurasian Watermilfoil (EWM) thanks to your support. We will strive to evolve our treatment program to take advantage of all possible control measures to create a hybrid approach including benthic barriers, new treatment types, etc. For example, we will be conducting a pilot of a new state-of-the-art treatment for EWM in Long Lake in 2023 and are also planning a benthic barrier pilot in 2023. The NMC intern program will also be continued to assist us in our water quality studies.

We are happy to announce that the Welcome Back to Paradise Party at Boone's Long Lake Inn for 2023 will occur on June 5th at 5:00 PM. Thank you to Boone's Long Lake Inn for hosting us again this year! Please take time to read through this newsletter to get updates from the Committee Chairs prior to the meeting. We will provide a brief summary of this info at the meeting.

I would like to encourage those of you that are not LLA members to join for the annual membership fee of \$45.00 to help us in our mission to protect our lakes by using the enclosed dues envelope. I would sincerely like to thank our partners: Oleson Foundation, Long Lake Township, Long Lake Foundation, and NMC for their ongoing support!

We are looking forward to meeting everyone when we get together again in June!

Sincerely,

*Brent Schnell*



# LLA COMMITTEE NEWS

## LAKE MANAGEMENT TREATMENT COMMITTEE | Brent Schnell / Dave Baker

The Lake Management-Treatment Committee and our key lake management partners met on April 19, 2023. Clear Water Lake Management (our herbicide applicator) and Zero Gravity (Drone guidance) were at the meeting to help us review the 2022 results and do planning for 2023. In 2022, approximately 12 acres were treated. **This represents only 0.4% of the combined total surface area/bottomlands of Long, Ruth, and Mickey lakes.** This means we are in maintenance mode and have EWM under good control at this point in time.

We plan to continue to treat the aquatic invasive species Eurasian Watermilfoil (EWM) twice each year to improve the quality of the lakes for boating, etc., using advanced technology to precisely target the treatment to where it is needed. The 2023 plan is to treat approximately the same total area as in 2022 (e.g., 12 acres); some areas were treated in 2022 that will not require treatment this year. Many of the sites that contained the aquatic invasive species Eurasian Watermilfoil (EWM) are growing native plants now that the Eurasian Watermilfoil is gone. Some areas were treated successfully in past years, but now the Eurasian Watermilfoil has returned, requiring treatment in 2023. **Treatment dates for 2023 are Tuesday, June 20, 2023, and Tuesday, July 18, 2023. The rain date will be the next day, if necessary.** To continue to pursue the best EWM treatment alternatives available, please note that the Long Lake Association (LLA) will conduct a trial with ProcellaCOR EC in Long Lake in June 2023 to control EWM. The Long Lake Association (LLA) is also planning a benthic barrier pilot in Long Lake in 2023.

### Long Lake Association plans a ProcellaCOR EC pilot in Long Lake in 2023 to control Eurasian Watermilfoil (EWM)

The Long Lake Association (LLA) continuously evaluates new potential treatments to best control Eurasian Watermilfoil (EWM) while minimizing any impacts on the lakes. Based on this objective, the LLA will conduct a trial with ProcellaCOR EC in Long Lake in June 2023 to control EWM. We treat EWM since it spreads quickly and proliferates, crowding out native plants, reducing fish habitats, and reducing wetland habitats for native animals. It can also create dense mats near the water surface that entangle boat propellers and make it difficult to swim or fish.

ProcellaCOR EC is a new, state of the art treatment for invasive aquatic plant species like EWM with the benefits listed below:

- ProcellaCOR EC is selective. It targets explicitly Eurasian Watermilfoil (EWM) and other invasive aquatic plant species, and it won't hurt the native plants we want in the lakes.
- ProcellaCOR EC reduces chemical usage through more extended control. Less product is required for treatment since ProcellaCOR EC has a unique formula that requires a 40x-100x less active ingredient that still achieves significantly longer control. A "Reduced Risk" classification from the EPA is designed to reduce risk to our health, non-target plants, and water supply. The EPA says ProcellaCOR EC is "practically non-toxic" to animals and humans.
- Since ProcellaCOR EC will keep EWM at bay for much longer than other solutions, it reduces the need for two treatments per year as is typically required with other treatment options.
- ProcellaCOR EC has a short half-life (when it takes half of the active ingredient to degrade) and quickly dissipates with the water column. Typically, ProcellaCOR EC is not expected to be detectable in the water within 24 hours of treatment.

It should be noted that ProcellaCOR is cost-effective in shallow water applications but becomes prohibitively expensive in deeper water applications. Therefore, the LLA intends to focus its efforts on coming up with the best possible hybrid approach to EWM treatment, including other solutions like benthic barriers.

## ISLAND MAINTENANCE | Adam Adamczak

Long Lake's five islands provide lake users with a unique opportunity for recreation. Picnics, hiking, and anchoring off the islands' shores are encouraged. However, fires and camping on the islands are prohibited. Removal of trash is a must, and any garbage taken off is appreciated. Pristine islands are a must for everyone to enjoy. Remember to avoid steep banks along shorelines to help prevent erosion. Poison ivy and the occasional fallen tree can be found along island trails, so hike cautiously.



## MEMBERSHIP | Becki Watson

I hope you have all had a nice winter. We appreciate your support and hope you will all renew your membership or join LLA this year. Your membership helps fund the upkeep of the islands, the repair of the loon nest platforms, the testing of water quality, and the monitoring and controlling of invasive species. These are just a few of the many things our association does. A dues envelope is enclosed and is due before August 1, 2023. Please note you can also pay your dues at the upcoming Welcome Back to Paradise event at Boone's Long Lake Inn on June 5, 2023 starting at 5:00 PM. Dues forms are available on the website located at: [www.longlakeassociation.com](http://www.longlakeassociation.com) and can be printed or paid online. Thank you for supporting Long, Mickey, and Ruth Lakes. Have a wonderful summer!

## Volunteers & Board Members Always Needed

LLA is always looking for volunteers. If you are interested in running for a board position, please get in touch with one of the existing board members. The nomination committee will need to know your interest by the discussion meeting in June. Check the website, [www.longlakeassociation.com](http://www.longlakeassociation.com), and Facebook often for current news and information.

## Remind Your House Guests/Renters

If you rent your home/cottage, please remind guests that your neighbors are year-round residents. Please be respectful and keep noise low, especially in the evenings. Turn off outdoor lights before going to bed as these can shine directly into neighboring houses and even into homes across the lake.

To file a complaint about a short-term rental, call the Long Lake township complaint hotline anytime at (231) 600-7044. You can also call the office during regular hours – 8:00 am through 5:30 pm (closed at noon), Tuesdays through Fridays – at (231) 946-2249.

For those operating a wave runner, the law states that A person shall not operate a PWC on the waters of this state from sunset to 8:00 A.M local time. Contact Marine Patrol (231) 922-2112 to report violators. For more boater safety information, go to <https://mymlsa.org>.

Please be mindful and respectful of the many loons and other wildlife when on the lake. Many loons will have young with them, which are hard to see. Loon Watch's general rule of thumb for good loon etiquette is to keep a distance of two hundred feet from loons and loon chicks. State and federal laws prohibit the disturbance and harassment of the loons and wildlife. There is a \$1,000 fine for harassing a loon in Michigan. Report complaints to Traverse City DNR (231) 922-5280 or Marine Patrol at (231) 922-2112. If this is not successful, contact the DNR at their 24-hour RAP line per the info below.

If you witness a natural resource violation (e.g. loon harassment, poaching, etc.), contact the DNR REPORT ALL POACHING (RAP) line at 800-292-7800 (CALL OR TEXT). The RAP Center is staffed 24 hours, seven days a week. Please take pictures/video, if possible, per the DNR's request. Video is highly preferred! Please provide the MC number of the offending watercraft when reporting incidents. Otherwise, no action can likely be taken.

This information can also be found at the <https://longlakeassociation.com/fish-wildlife/> portion of our website.



Our team is once again ready to collect samples for chemical analysis and to measure the physical parameters of the waters of our lakes. This year we have two new interns from the revised NMC Fresh Waters Program, Jennifer Burfield and Carol Ramsey.

Calcium levels in Long and Mickey remain at levels where Zebra Mussels have been able to colonize under laboratory conditions. We are concerned about Zebra mussels since they filter out plankton that native species need for food. This process can cause changes in the lake's food web.

Most other chemical parameters have also remained relatively constant in our lakes; however, phosphorus levels continue to be a concern. Over the last two years near surface spring and summer total phosphorus concentrations have increased in Long Lake. High levels of Phosphorus in the water can cause algae blooms and promote the growth of aquatic plants. We recommend eliminating fertilizer use near the lakes, establishing native vegetative shoreline buffers to catch runoff, and proper septic system upkeep. We additionally recommend cleaning grass clippings and pet waste from areas near the lakeshore. Also, please never rake leaves or dump Christmas trees into the lake. These are all critical factors in reducing the eutrophication of the lakes, which will help preserve the health of the lake ecosystems, our property values, and recreational use.

#### **ZEBRA MUSSEL UPDATE** | Rick Dahlstrom

In the last LLA Newsletter from the spring of 2022, we provided an article regarding the alarming emergence of Zebra Mussels in Long Lake. Before 2020, we had very few findings of this invasive species. As 2021 showed a significant increase in zebra mussel findings based on your reports, 2022 reports indicate the problem has only worsened. The number of reports you gave us nearly doubled. Even more alarming was the size of some of the mussel colonies. We received numerous reports of colonies of over 50 shells and a couple reports of over 100 Zebra Mussels clumped together on one branch or pipe. These large colonies can cause injury due to their sharp-edged shells.

We researched different options to eliminate or reduce these growing numbers. One method involves a product named Zequanox. Experiments have been on going in Lake Michigan where small sections of zebra mussel infected areas are partitioned off and Zequanox is pumped into the enclosed area. Some levels of reduction have been seen, but this method would be impractical for Long Lake due to the size of the areas we would need to treat and the associated cost. Another Zequanox project was conducted by Tip of the Mitt on Round Lake near Petoskey. This project was done in open water over a large area, much like we would need to do for Long Lake. The project, conducted in 2017, was determined to be unsuccessful after a couple of years and at a very high cost.

So, given the fact that there is no magic remedy for eradicating Zebra Mussels, what can we do?

The LLA requests that you continue the excellent work from a year ago and continue reporting any findings. As you come across them, cleanly remove them from their attachment and destroy them

on dry land. Do not leave any part of the mussel body in the water. Report the date and location to the LLA board. Contact Rick Dahlstrom either through email at [dahlstromrick5@gmail.com](mailto:dahlstromrick5@gmail.com) or by text at 248-568-4263. PLEASE educate friends, relatives, and renters who may be bringing boats onto the Lake to wash their boats and clean out ballast or bilge tanks before launching. Put the new boat washing station at Long Lake Township to good use!



This will be our third year of careful monitoring, and your cooperation is greatly appreciated. We hope to gain better clarity on the level of Zebra Mussel infestation, and your reports will be the key to that! Thank you for all that you do to maintain the high quality of Long Lake.

## FISHING

Long Lake continues to boast some of the best walleye fishing in northern Michigan with many limit catches reported in the spring, summer, and fall. Anglers also do very well fishing for perch, bass, pike, and bluegill throughout the year.

We have inquired with the DNR about future walleye plantings to help improve fishing. The DNR would need to complete a walleye survey to determine if additional plantings are needed.



The fish survey conducted by the DNR in the spring of 2017 was published last year. Long Lake continues to have the highest water quality and a solid and vibrant fishery. The full report link can be accessed from the LLA website, or you can download it at: [https://longlakeassociation.com/wp-content/uploads/2022/01/SFR2018-262\\_740719\\_7.pdf](https://longlakeassociation.com/wp-content/uploads/2022/01/SFR2018-262_740719_7.pdf)



## OUR LOONS

2022 was another great year for the loon population on Long Lake. It was not uncommon to see large groups of 10+ loons on the lake during the summer. Long Lake continues to host the largest nesting population of loons in the Lower Peninsula.

Last summer all 5 nesting sites were active, resulting in 5 chicks that hatched and left the lake in the fall. We are looking forward to an early start to the nesting season and another great year for the loon population in 2023.

Please remember to stay outside of the buoy markers or at least 200ft from the nesting sites. A Long Lake loon family and loon with a baby are shown below:





Wakesurf boats continue to be a primary source of complaints from Long Lake riparian. Per the Guidelines from Part 1 of Section 80149 from the Marine Safety Act, wakeboarders behind wake boats shall maintain a distance of 100 feet from any dock, raft, buoyed or occupied bathing area, or vessel moored or at anchor. This section of the Marine Safety Act also states always try to operate your wake boat in a counterclockwise motion around a lake. When operating these kinds of boats, it is advised to avoid shorelines and use the middle of the lake since boats that create an artificial wake require more distance from the shoreline to lower the impact of their waves on beaches, docks, and moored boats. For more information, please refer to the booklet entitled "Wakeboarding in Michigan-Impacts and Best Practices" at the following link at the Michigan Natural Shoreline Partnership (MNSP) site: [https://www.mishorelinepartnership.org/uploads/4/6/8/6/46869113/wakeboat\\_report.pdf](https://www.mishorelinepartnership.org/uploads/4/6/8/6/46869113/wakeboat_report.pdf)

There will be a paid attendant funded by Long Lake Township to monitor activity at the Crescent Shores boat launch. The funding for this position has been added to the yearly budget of Long Lake Township. The boat launch will be manned on Saturdays and Sundays between Memorial and Labor Day weekends.

As in previous years, the Long Lake Association board of directors will conduct a road cleanup in both the Spring and Fall. The Spring clean-up is scheduled for May 20, 2023. The Fall date has not been scheduled yet. The stretch of road covered is North Long Lake Rd. from the corner by Wheelock & Sons Welding down to Church Road near Long Lake Grocery. We urge all riparian to help us keep our roads (and lake) free of trash by disposing of it properly.

## **WELCOME BACK TO PARADISE!**

**Monday June 5th, 2023**  
**At Boone's Long Lake Inn**  
Discussion Meeting: 5pm  
Deck Social: 6pm - 8pm



*Long Lake Association Members  
and Riparians Interested in Joining*

### **Display Your LLA Support!**



*Double Sided  
Printing*

### **Join LLA Supporting Membership**

**Centurion Membership \$145**  
receive one wine tumbler

**Guardian Membership \$245**  
receive two wine tumblers

The wine tumbler(s) are  
our gift to you for deeply  
supporting our efforts in  
preserving and protecting  
Long, Ruth, and Mickey Lakes.

**Encourage  
other  
Riparians  
to join and  
preserve  
our gems!**

**Please plan to pick up your LLA wine tumbler at the Welcome Back to Paradise Party.  
Any remaining tumblers will be available for \$30 each at the meeting.**

## INVASIVE SPECIES FUNDING

The activities of the Lake Management Committee on all three lakes are funded by the Long Lake Association and our local partners. Thank you to Long Lake Township for supporting the drone guidance and EWM mapping efforts. Your LLA membership dues are also an essential part of our funding to control the levels of Eurasian Watermilfoil (EWM) to protect our lake from this very aggressive aquatic invasive species. If you wish to provide further financial support for this program, the Long Lake Foundation (LLF) has created the “LLF Invasive Species Defense Fund” to fund further study and investigate remediation techniques of both aquatic and terrestrial invasive species in and around Long, Mickey, and Ruth Lakes. Your tax-deductible donation under the 501c3 designation of the IRS code to this critical fund will ensure our lakes’ effective management and health far into the future. Please visit the LLF website at [www.longlakefoundation.org](http://www.longlakefoundation.org) to learn about the Long Lake Foundation and donate online or mail a check to “Long Lake Foundation” to P. O. Box 31; Interlochen, MI 49643 and put “LLF Invasive Species Defense Fund” in the memo area.



**Eurasian Watermilfoil**



**Phragmites**



**Purple Loosestrife**

### BOARD OF DIRECTORS 2023

<b>President</b>	Brent Schnell	630.750.5474
<b>Vice President</b>	Rick Dahlstrom	248.568.4263
<b>Communications</b>	Cam Corteggiano	231.409.0010
<b>Secretary</b>	Wendy Wares	231.392.1440
<b>Treasurer</b>	Janice Moy	231.421.3894
<b>Membership</b>	Becki Watson	616.690.8136
<b>Island Maintenance</b>	Adam Adamczak	231.994.4661
<b>Lake Management-EWM Treatment</b>	Brent Schnell	630.750.5474
	Dave Baker	312.343.0241
<b>Lake Management-Water Quality</b>	Len Klein	231.941.7196
<b>Invasive Species (Zebra Mussels)</b>	Rick Dahlstrom	248.568.4263
<b>Water Safety &amp; Road Clean Up</b>	Mark Walkowiak	231.499.0370
<b>Wildlife (Loon &amp; Fish)</b>	Terry Motley	734.748.5707
<b>Public Affairs</b>	Mark Walkowiak	231.499.0370

### CONTACT US

Give us a call for more information about our committees or volunteer opportunities.

#### Long Lake Association

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231-392-9656

[rkiehle@gmail.com](mailto:rkiehle@gmail.com)

Visit us on the web at  
[longlakeassociation.com](http://longlakeassociation.com)