



Annual Discussion Meeting June 6, 2022



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Agenda

- Meet the LLA Board
- President's Message
- Treasurer's Report
- Long Lake Foundation Update
- Committee Reports
 - Communications/Long Range Planning & Long Lake Foundation Cooperation
 - Lake Management-Treatment
 - Lake Management-Water Quality including Internships
 - Lake Management-Zebra Mussels
 - Lake Management-Prevention & Water Safety
 - Fishing & Loons Update
 - Membership/Nominations/Recreation/Social
 - Island Maintenance
- Introduce Guest Experts
- Long Lake Township Update
- Raffle Sponsors
- Questions and Answer Session
- Adjourn to the deck!



Meet the LLA Board

BOARD OF DIRECTORS 2021-2022

President	Brent Schnell	630.750.5474
Vice President	Rick Dahlstrom	248.568.4263
Past President/Communications	Rick Kiehle	231.392.9656
Secretary	Wendy Wares	231.392.1440
Treasurer	Janice Moy	231.421.3894
Membership	Becki Watson	616.690.8136
	Rick White	231.590.3201
Island Maintenance	Adam Adamczak	231.994.4661
Lake Management-EWM Treatment	Brent Schnell	630.750.5474
	Dave Baker	312.343.0241
Lake Management-Water Quality	Len Klein	231.941.7196
Invasive Species (Zebra Mussels)	Rick Dahlstrom	248.568.4263
Water Safety & Road Clean Up	Mark Cerny	815.508.0052
Wildlife	Terry Motley	734.748.5707
Public Affairs	Mark Walkowiak	231.499.0370



Long Lake Association

PRESIDENT'S MESSAGE



President's Message

- A “shout out” to our current members for your continued support of the Long Lake Association (LLA) through these challenging times!
- We will strive to evolve our EWM 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 Mickey Lake in 2022 and are planning a benthic barrier pilot in 2023.
- In 2022, we will fully reinstate the NMC intern program to assist us in our water quality studies.
- Based on the discovery of zebra mussels in Long Lake, we created a new committee in 2021 to track the presence of this invasive species and provide education to our members.
- In 2022, we will be proposing by-law changes to change to a calendar fiscal year, update notification methods, etc. This will be included in the ballot that will be sent prior to the August meeting. Please check out our website as we will continue to provide pertinent information regarding issues involving our lakes at <https://longlakeassociation.com/>.
- I would sincerely like to thank our partners: Oleson Foundation, Long Lake Township, Long Lake Foundation, and NMC for their ongoing support!



Budget Summary - Income

FY 2022-23 [September 1, 2021 through May 31, 2022]

LONG LAKE ASSOCIATION FY 2021-22 BUDGET

September 1, 2021 through August 31, 2022

	<u>Budget</u>	<u>Actual as of 05/31/22</u>
INCOME		
Contributions and Gifts	\$ 6,000.00	\$ 2,261.50
Grants:		
Long Lake Township	\$ 12,000.00	\$ 1,164.16
Long Lake Foundation	\$ 2,500.00	\$ 1,164.16
Oleson Foundation	\$ 2,500.00	\$ 1,164.16
Logo Product Sales (mugs)	\$ 1,370.00	\$ 490.00
Membership Dues	\$ 15,000.00	\$ 5,203.00
Riparian Subscriptions	\$ 700.00	\$ 230.00
Total Income	<u>\$ 40,070.00</u>	<u>\$ 11,676.98</u>
Less Cost of Goods Sold	<u>\$ 1,370.00</u>	<u>\$ 549.50</u>
Net Income	\$ 38,700.00	\$ 11,127.48

- Over 40% of our funding comes from our partners
- Your cash contributions above the annual dues allow us to be a break-even organization



Budget Summary - Expenses

FY 2022-23 [September 1, 2021 through May 31, 2022]

Actual Expenses as of 5/31/2022

EXPENSES

Administrative & Financial (Brent Schnell, Janice Moy, Wendy Wares)	\$ 3,753.00	\$ 353.56
Communications (Rick Kiehle)	\$ 2,000.00	\$ 394.05
Membership/Nominating (Becki Watson)	\$ 4,525.00	\$ 2,563.63
Lake Management (Brent Schnell, Rick Dahlstrom , Dave Baker)	\$ 21,740.00	\$ 1,615.10
Lake Science Committee: (Len Klein)	\$ 5,580.00	\$ 1,972.50
Fishing and Wildlife (Terry Motley)	\$ 200.00	\$ -
Island Maintenance (Adam Adamczak)	\$ 800.00	\$ -
Water Safety (Mark Cerny)	\$ -	
Total Expenses	\$ 38,598.00	\$ 6,898.84

- Over 50% of our budget goes to EWM invasive species management.
- 14% of our budget goes toward the intern/water quality program



Budget Summary – Fund Balance

FY 2022-23 [September 1, 2021 through May 31, 2022]

Beginning Fund Balance	9/1/2021	27,587.44	
Fund Balance Change / Net Income - Expenses		4,228.64	\$ 4,228.64
Reconciliation Summary register balance as of	5/31/2022	31,816.08	

- We are showing a strong current balance, but our main expenses are incurred from June through September each year for EWM partner services and to pay for the intern program (~\$27,000).



Long Lake Foundation Update

- Benzie Boat Wash Demonstration provided by the Benzie Conservation District at Crescent Shores boat launch on Friday, May 27, Saturday, May 28 and Saturday, July 2, 2022.
- Development of new signage in cooperation with the GTRLC for all the islands and the boat launches with a goal of educating the public on how to prevent introducing invasive species and protecting the lake.
- New educational website coming soon for preserving and protecting the Long Lake Watershed.





Communications/Long Range Planning *Chairperson / Rick Kiehle*

- Email subscriptions reached 495 subscribers in mail chimp
- Join Now – Continues to increase
- Facebook Reached over 1,208 followers
- Facebook total page likes 1,146
- Long Lake Association and Long Lake Foundation are working together to raise funding for preserving and protecting the Long Lake Watershed and will share communications tools and lists to reduce expenses



Lake Management –Treatment *Co-Chairs / Brent Schnell & Dave Baker*

- Controlling Eurasian Watermilfoil (EWM) is an important activity to maintain the quality of Long Lake for boating and other activities plus to allow native aquatic plants to thrive.
- In 2022, Long Lake Association and our partners Zero *Gravity* (the drone company) and Clear Water Lake Management (our targeted herbicide applicator) will be conducting Eurasian Watermilfoil treatments on **June 22nd and July 20th**.
- In 2021, 13 acres including 23 sites were treated. This represents only about 0.45% of the total area of Long, Ruth and Mickey lakes combined. We plan to treat 12 acres in 2022. The mapping technology allows us to precisely target areas where EWM is currently present greatly reducing the amount of chemical added to the lakes.
- There are some areas that were treated in 2021 that will not require treatment this year. Many of the areas that contained EWM are growing native plants now that the EWM is gone. There are some areas that were treated successfully in past years, but the EWM has returned, so these areas require treatment in 2021.
- **Long Lake Association membership dues are an important part of our funding to continue treating the lakes.**



Lake Management –Water Quality *Chairperson / Len Klein*

2021 Lake Report

- Most Parameters have remained fairly constant.
- Possible uptick of Phosphorus
- Check the Long Lake Website for full report
- 2022 Interns: Kelsey Mills and Sarah Cole

2022 Sampling and testing dates:

Comprehensive (depth, pH, conductivity, temperature profiles, Secchi depths, and sampling) 5/13, 9/8 and 9/9

Moderate (depth, pH, conductivity, temperature profiles, Secchi depths, and some sampling)
6/13, 7/11, 8/11

Limited (depth, pH, conductivity, temperature profiles and Secchi depths)
5/24 (and Ruth Lake sampling), 6/27, 7/25, 8/29

Secchi Only (Water Clarity)
5/16, 5/30, 2/6, 6/20, 7/5, 7/18, 8/1, 8/22, 9/12



Lake Management –Water Quality

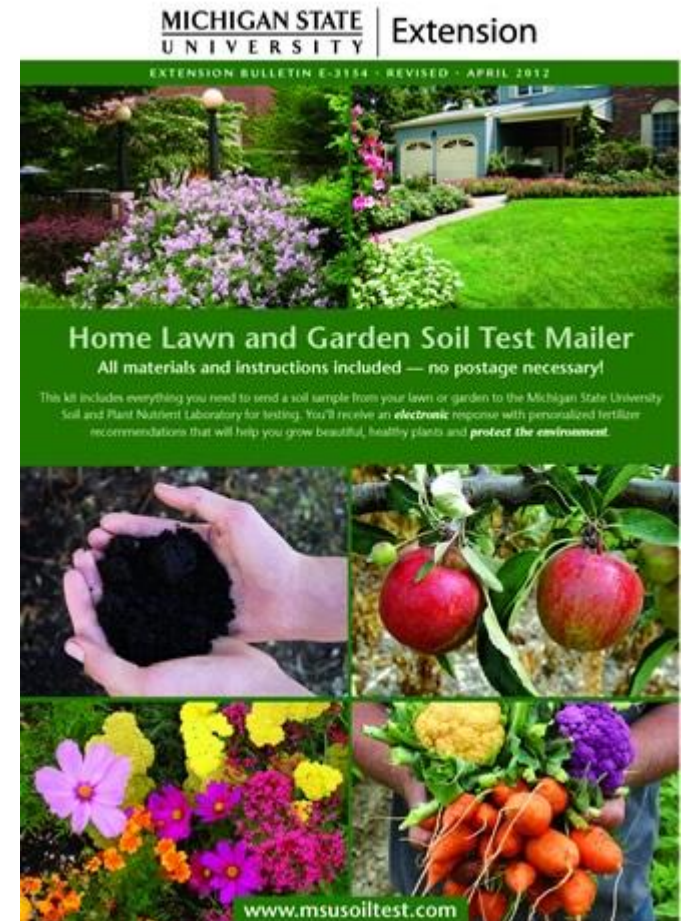
Chairperson / Len Klein

Healthy Lake => Healthy Property Value and Recreational Value

- **Don't fertilize near the lake.** Consider creating a buffer zone
- Lakes receive phosphorus from the atmosphere and natural decomposition of aquatic plants, but problems “bloom” when they receive excessive deposits of nutrients from other sources.

MSU Report includes:

- Soil texture
- pH value
- Nutrient levels for phosphorus (P), potassium (K), calcium (Ca) and magnesium (Mg)
- Soil organic matter (OM) percentage
- Personalized recommendations for fertilizer and any needed pH modifications





Lake Management –Water Quality *Chairperson / Len Klein*

Lead poisoning

- Many raptors (eagles; etc.) and other waterfowl (like loons) are victims of lead poisoning due to lead sinkers and shot.
- Alternative materials for sinkers and jigs include tungsten, tin and steel.
 - Tungsten is 70% heavier than lead but costs more and has gained popularity particularly for ice fishing.
 - Tin has a lower density than lead and is malleable and easy to cast.
 - Steel makes noise (an attractant for fish) and is harder than lead.

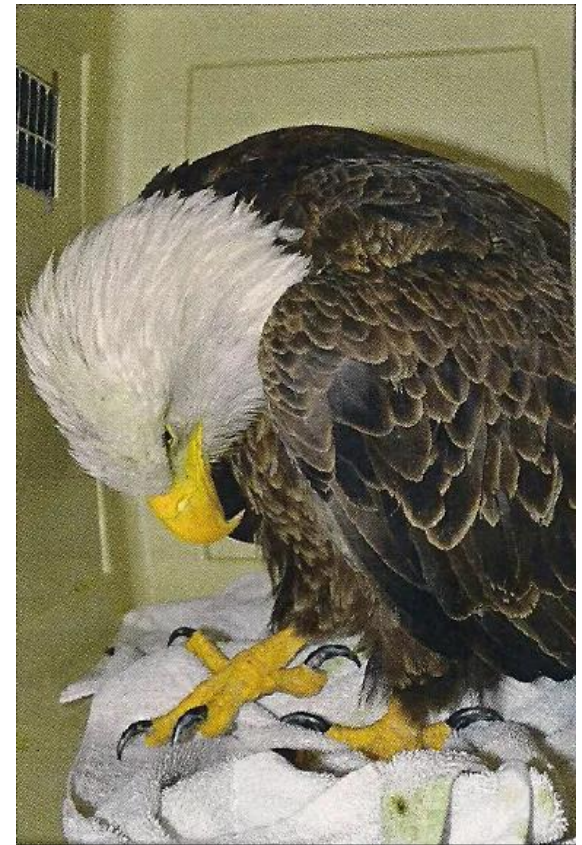
References:

- [https://www.michigan.gov/-/media/Project/Websites/dnr/Images/WLD/misc/getting the lead out.pdf?rev=d720d5b83d904230bc50192a1a0884ee](https://www.michigan.gov/-/media/Project/Websites/dnr/Images/WLD/misc/getting_the_lead_out.pdf?rev=d720d5b83d904230bc50192a1a0884ee)
- <https://northernwilds.com/lead-sinker-substitutes-which-choice-is-right-for-you/>
- <https://www.pca.state.mn.us/living-green/manufacturers-and-retailers-lead-free-tackle>



Lake Management –Water Quality *Chairperson / Len Klein*

Lead Poisoning: Don't use lead tackle or Lead shot





Lake Management—Zebra Mussels

Chairperson / Rick Dahlstrom

- Based on our request in 2021, many riparian responded and provided approximately 25 findings, many with photos that supplied dates and locations.
- Your reports came from all areas of the Lake and came in throughout the summer, starting in mid-May and ended late September during dock removal. Most reports had small volumes of only 2-3 zebra mussels, but your photos revealed them to be healthy in size, 1/2-1 inch in length. There was one report of possibly over 100 in a colony around a concrete block that had been in the water for over a year.
- The LLA requests that you continue the excellent work from a year ago. As you come across them, fully 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 Rick Dahlstrom either through email 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.
- This will be our second 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.





Lake Management-Prevention *Chairperson / Mark Cerny*

- The road cleanup date for 2022 was May 7th.
- LLA board members and other volunteers picked up trash along the northern edge of Long Lake along North Long Lake Road from the corner by Wheelock & Sons Welding to Church Road near Long Lake Grocery.





Water Safety *Chairperson / Mark Cerny*

- The Grand Traverse Sherriff's patrol put 165 hours on Long Lake, a 30% decrease vs. 2020. This was due to having one less deputy available for lake patrol duty. The patrol hours on Long Lake accounted for almost 20% of all marine patrol hours in Grand Traverse County. Stops, citations, and warnings all increased.
- Wakesurf boats were the primary source of complaints from Long Lake riparian. The newsletter provides additional information on this topic.
- Once again this year, 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 now been added to the yearly budget of Long Lake Township. Last year's experiment was deemed successful by both boaters and township officials. The boat launch is primarily manned on weekends and holidays.



Water Safety *Chairperson / Mark Cerny*

MARINE PATROL & OTHER ENFORCEMENT CONTACT INFO

- 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.)
- Please try to get the MC number when reporting any incident. Pictures and especially videos of the incident are beneficial.



Fishing & Loons

Chairperson / *Terry Motley*

FISHING

- The fish survey conducted by the DNR in the spring of 2017 has been published. You can download it from the LLA website.
- The report noted that the Bluegill numbers have “exploded,” showing a 686% increase (98/673) in the number of fish taken compared to the 2007 survey. The Largemouth Bass numbers increased 265% (64/170), and Northern Pike increased 208% (12/25), with a broader range of fish sizes from 11-43 inches. There was a significant increase in the Perch and Rock Bass population. The Walleye, Smallmouth Bass, and Pumpkinseed numbers were similar in size and numbers taken to the 2007 report.
- The report noted an abundance of forage species in the lake, with far more Shiner minnows present than in 2007. Growth rates were considered suitable for all species.
- The DNR is planning to do a Walleye and Pike survey in the fall of 2022 to understand better and manage their populations and determine if further stocking is needed.





Fishing & Loons Chairperson / *Terry Motley*

OUR LOONS

- 2021 was another strong year for the loon population on Long Lake. It was not uncommon to have 20+ loons on the lake during the summer. Long Lake continues to host the largest nesting population of loons in the Lower Peninsula.
- Currently, all 5 nesting sites are active. Please stay at least 200+ feet from nesting sites and buoys.
- We are looking forward to another strong nesting season and loon population in 2022.
- **There is a \$1,000 fine for harassing a loon in Michigan.**





Membership/Nominations/Recreation/Social *Co-Chairs / Becki Watson & Rick White*

Annual Membership Stats Summary:

(Calendar Year/# Members)

2012-2013: 373 members

2013-2014: 386 members

2014-2015: 426 members

2015-2016: 426 members

2016-2017: 443 members

2017-2018: 434 members

2018/2019: 455 members

2019/2020: 417 members

2020/2021: 446 members

2021/2022: 435 members



Special thanks to Marilyn Niebel for maintaining the LLA membership database!



Island Maintenance

Chairperson / Adam Adamczak

- Long Lake's five islands provide lake users with a unique opportunity for recreation. Picnics, hiking, and anchoring off the shores of the islands are encouraged. However, fires and camping on the islands are prohibited.
- Removal of trash is a must and any trash that can be taken off is appreciated. Clean 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.
- LLA will continue outhouse cleaning and stocking and litter patrol. Thanks for helping keep our islands clean for all to enjoy!





Guest Experts



Grand Traverse County
Sheriff's Office

> ABOUT US

> DIVISIONS

> SERVICES

> PROGRAMS

> HOW DO I...?

Dive Team

Air Boat Team

Recreation Safety
Section

Underwater ROV

Home > Government > Sheriff > Divisions > Marine & Recreational Vehicle Division

MARINE & RECREATIONAL VEHICLE DIVISION

The Sheriff's Office maintains a large and varying fleet of marine vessels for the seasonal enforcement of boating laws on inland lakes as well as the east and west bays in Grand Traverse County. The Sheriff's Office also has a specialized dive team comprised of officers trained in emergency marine rescue, body and property recovery, and special event security. The dive team trains year round, in all weather conditions, and utilizes such equipment as an underwater remotely operated vehicle (ROV), as well as a high speed airboat for thin-ice and open water rescue.

Contact Us

Marine Division

Phone: 231-922-2112

Ian Ferguson

Supervisor

[Email Ian Ferguson](mailto:Email_Ian_Ferguson)



Conservation Officer William Kinney
DNR Law Enforcement Division
8015 Mackinaw Trail
Cadillac, MI 49601
Office (231) 775-9727
Cell (231) 388-2038
KinneyW3@michigan.gov





Long Lake Township Update

RON LEMCOOL – Township

Supervisor

supervisor@longlaketownship.com

8870 North Long Lake Rd.

Traverse City, MI 49685

Phone: 231-534-4277



MISSION STATEMENT

It is the mission of Long Lake Township to provide for the health, safety, and well being for all citizens of Long Lake Township by providing municipal leadership dedicated to sound fiscal management, protection of the natural and historic environmental resources, and to preserve and enhance the features that make Long Lake Township unique to improve the quality of life for present and future generations.



Raffle Prize List

2022 Welcome Back to Paradise Party Split the Pot Raffle Prize List

- Drawing 1: Moomers Gift Certificate (\$10 value)
- Drawing 2: One LLA Boat Flag (\$20 value)
- Drawing 3: Francisco's Market and Deli Gift Card (\$25 value)
- Drawing 4: Long Lake Animal Hospital Pet Treats (\$30 value)
- Drawing 5: One LLA 100th Anniversary Tumbler (\$35 value)
- Drawing 6: Dave & Karen Baker Wine Basket (\$50 value)
- Drawing 7: Long Lake Marina Towable Tube (\$90 value)
- Drawing 8: Fresh Coast Market Gift Card (\$100 value)
- Grand Prize Drawing: 50% of the cash collected via raffle ticket sales



Special thanks to our generous local business raffle drawing sponsors!



Questions and Answer Session

- Any questions for the Long Lake Association Board Members or for our guest experts?



THANK YOU!
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