

**Annual Discussion Meeting
June 24, 2021**

 **LONG
LAKE**

www.LongLakeAssociation.com



Agenda [Meeting Time 120 Minutes]



- LLA Objectives
- President's Message
- Treasurer's Report
- Committee Reports
 - Communications/Long Range Planning
 - Lake Management-Treatment
 - Lake Management-Water Quality including Internships
 - Lake Management-Zebra Mussels
 - Lake Management-Swimmers Itch (Retired)
 - Lake Management-Prevention & Water Safety
 - Fishing & Loons Update
 - Membership/Nominations/Recreation/Social
 - Island Maintenance
- Questions and Answers Session
- Adjourn



LLA Objectives



1. To preserve Long Lake as a natural resource and recreation area through protection and prudent use of its environs.
2. To be on guard for the health, welfare and safety of the resident community.
3. To be alert to the best interests of the membership in fiscal, economic and civic matters such as taxation, zoning, developments affecting property rights and value, pending legislation, law enforcement, etc.
4. To serve as responsible citizens of the community.
5. To do any and all things lawful as a non-profit corporation in furtherance of these objectives.
6. To re-affirm the ethical principal established in 1953 organization of this association, that the individual rights should be enjoyed and protected without trespassing on the rights of others.



Long Lake Association

PRESIDENT'S MESSAGE



President's Message



Brent Schnell

- Thank you to all our current members for your continued support of the Long Lake Association (LLA)!
- We will continue to strive to accomplish our main mission “to preserve Long Lake as a natural resource and recreation area through protection and prudent use of its environs.” For example, we have had great success in controlling the levels of Eurasian Watermilfoil (EWM) thanks to your support.
- We will continue to address this aquatic invasive species and our vision is to become a resource to provide education to the LLA members regarding other aquatic and terrestrial invasive species. For example, we will provide info on invasive species currently impacting the trees in our watershed including Purple Loosestrife, Oak Wilt, Beech bark disease (BBD), Hemlock Woolly Adelgid (HWA).
- We also have discovered a new aquatic invasive species in Long Lake in 2020: zebra mussels. We have created a new committee to specifically respond to the zebra mussel threat. In addition, our sister organization, Long Lake Foundation, has created the “**LLF Invasive Species Defense Fund**” to help fund the study and remediation of both aquatic and terrestrial invasive species in and around Long, Mickey and Ruth Lakes.



Purple Loosestrife Update



- Purple Loosestrife remediation has been ongoing at the Timbers Recreation area. Volunteers from the GTRLC and Americorp completed the work.
- LLA is partnering with the NW Michigan Invasive Species Network in 2021 for a training/remediation event on Long Lake in July. See link below:
<https://www.habitatmatters.org/purple-loosestrife.html>
- Other resources:
https://www.michigan.gov/documents/invasives/Invasive_Plant_Disposal_Guide_pdf_626156_7.pdf





Oak Wilt



What is oak wilt?

- Oak wilt is a fungal disease that affects oak trees. As the name implies, oak wilt causes leaves of affected trees to wilt and turn brown. It is fatal for red oaks, including northern red oak, pin oak, scarlet oak and black oak. White oaks are affected but may survive. The incidence of oak wilt has greatly increased in Michigan in recent years and **is now impacting our area.**

Resources:

- Local arborists
- MSU Extension:
https://www.canr.msu.edu/news/oak_wilt_diagnosing_and_preventing
- Grand Traverse Conservation District: <https://natureiscalling.org/forests>
- Michigan Oak Wilt Coalition: <https://www.michiganoakwilt.org/>



Hemlock Woolly Adelgid (HWA)



Hemlock Woolly Adelgid (HWA) is an aphid-like insect can be hard to spot, but they situate themselves at the base of hemlock needles and feed off the trees' nutrient supply, eventually resulting in mortality gradually often taking five to ten years. This allows natural resource professionals to work toward saving this crucial hemlock resource.



Resources:

- Local arborists
- Northwest Michigan Invasive Species Network (ISN):
<https://www.habitatmatters.org/hemlock-woolly-adelgid.html>



Beech Bark Disease (BBD)



Beech bark disease (BBD) is caused by both a sap-feeding scale insect and a fungus. American beech trees are first infested with beech scale. Scale feeding allows infection by the *Neonectria* fungus. The fungus kills the wood, blocking the flow of sap. Affected trees decline in health and eventually die. Some infected trees break off in heavy winds before dying – a condition called "beech snap" (see photo). The scales are covered with white wool, turning infested portions of the tree white.



Resources:

- Local arborists
- Michigan Department of Natural Resources:
https://www.michigan.gov/dnr/0,4570,7-350-79136_79237_81077-370913--,00.html





Long Lake Association celebrates the 100th anniversary of the origins of Association!



How did this party get started?

- In September of 1921, twenty-five Long Lake property owners at the south end of the lake banded together and pitched in \$1 each to form an organization named the Evergreen Beach Resort Association. This pioneering group of lake lovers recognized the need to organize to effectively maintain the quality of Long Lake for themselves and generations to come. The name was formally changed to The Long Lake Improvement Association in 1948. Later, the word Improvement was dropped, and the organization was incorporated as it stands today. Watch for more fun facts on our website and Facebook.



Get Your LLA 100th Anniversary Commemorative Tumbler



- In celebration of our 100th year anniversary, we are asking for some additional financial support. For those donating \$100 or more beyond the normal \$35 membership dues, we are hand-delivering a beautiful commemorative YETI style 18oz tumbler as a way of saying thank you to our supporters. This elegant solution keeps drinks hot or cold for long periods of time and supports the LLA to build lasting solutions for managing our lake and ecosystem now and into the future.





Budget Summary - Income



FY 2020-21 [September 1, 2020 through June 30, 2021]

LONG LAKE ASSOCIATION FY 2020-21 BUDGET

September 1, 2020 through August 31, 2021

	<u>Budget</u>	<u>Actual as of 5/31/2021</u>
<u>INCOME</u>		
Contributions and Gifts	\$5,500.00	\$919.00
Membership Dues	\$14,875.00	\$5,246.00
Riparian Subscriptions	\$600.00	\$84.00
Partner Contributions:		
Long Lake Township, excludes weed treatment	\$10,000.00	\$1,921.25
Long Lake Foundation	\$2,500.00	
Oleson Foundation	\$2,500.00	
Other Income	\$0.00	
	<u>\$35,975.00</u>	<u>\$8,170.25</u>



Budget Summary - Expenses



FY 2020-21 [September 1, 2020 through June 30, 2021]

Actual Expenses as of 5/31/2021

EXPENSES

	<u>Budget</u>	<u>Actual</u>
Administrative & Financial (Brent Schnell, Janice Moy, Gail Dallolmo)	\$3,545.77	\$250.29
Communications (Rick Kiehle)	\$3,330.00	\$661.82
Membership/Nominating (Becki Watson)	\$2,500.00	\$1,283.32
Lake Management (Brent Schnell, Rick Dahlstrom)	\$22,830.00	\$800.00
Lake Science Committee: (NMC Internship, partners \$4,500) (Barry Lishawa, Len Klein)	\$7,563.00	\$ 7,279.00
Fishing and Wildlife (Terry Motley)	\$ -	\$ -
Island Maintenance (Adam Adamczak)	\$1,000.00	\$ -
Water Safety (Mark Cerny)	\$0.00	\$0.00
	<u>\$40,768.77</u>	<u>\$10,274.43</u>



Budget Summary – Fund Bal.



FY 2020-21 [September 1, 2020 through June 30, 2021]

Beginning Fund Balance	9/1/2020	\$24,789.42	
Fund Balance Change		(\$2,104.18)	(\$2,104.18)
Reconciliation Summary register balance as of	5/31/2021	\$22,685.24	



Communications/Long Range Planning



Chairperson/ Rick Kiehle

- Email subscriptions reached 481 mail chimp
- Join Now – Online membership is increasing
- New Join Now options have been added
- Facebook Reached over 1,137 followers
- Facebook total page likes 1,078
- 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



Long Lake Foundation



- July 9 & July 22 Benzie Boat Wash Demonstration at Crescent Shores boat launch.
- Development of new signage 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.





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 2021, 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 2020, 13 acres including 23 sites were treated. This represents only about 0.45% of the total area of Long, Ruth and Mickey lakes combined. 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 2020 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



Co-Chairs / Len Klein/Barry Lishawa



LLA Lake
Management Water
Quality team with
2021 LLA Summer
Interns:

- Meagan Walters
- Kesley Mills



Lake Management –Water Quality



Co-Chairs / Len Klein/Barry Lishawa

Lake Monitoring Dates

- Ice Out Sampling and Secchi
 - 4/9 (Len & Rick)
- Comprehensive Sampling and Profiles
 - 5/12, 5/14 and 9/8, 9/10
- Profile and Limited Sampling
 - 6/9, 7/9 (incl. exotic aquatic plant watch), 8/20
- Profiles Only
 - 5/26, 6/25, 7/23, 8/6, 9/1
- Secchi only (Barry)
 - 5/19, 6/2, 6/16, 6/30, 7/14, 7/28, 8/11, 8/25, 9/15



Lake Management –Water Quality



Co-Chairs / Len Klein/Barry Lishawa

longlakeassociation.com/lake-science/



LAKE SCIENCES

CO-CHAIRS | LEN KLEIN & BARRY LISHAWA

Mission Statement

To advance the best practices in the stewardship of Long Lake Watershed in partnership with Northwestern Michigan College's Water Studies Institute, allowing students seeking a degree in freshwater studies an opportunity to gain practical experience while benefiting the watershed

2019 LAKE SCIENCE REPORT

2018 LAKE SCIENCE REPORT

2017 LAKE SCIENCE REPORT

2016 LAKE SCIENCE REPORT



Lake Management –Water Quality



Co-Chairs / Len Klein/Barry Lishawa



Prevention:

- Don't add nutrients to the lake
- Maintain buffer zones to prevent runoff
- Don't fertilize lawns



Lake Management–Zebra Mussels



Chairperson / Rick Dahlstrom

- New committee created in 2021
- Zebra mussels are a well-known invasive species in the Great Lakes region. Together with their cousin the quagga mussel (which can grow a little larger and live in deeper waters, but looks the same), they have spread into inland waters and the Great Lakes since they arrived in Lake St. Clair more than 20 years ago. They cause a variety of negative changes in the lakes where they live: they filter out tiny food particles that young fish like walleye and perch need to survive and grow, are responsible for loon and other waterfowl deaths through botulism poisoning and are a nuisance to swimmers and boaters with their sharp edges and ability to form massive colonies on any dock, hoist or structure in the water.
- Many northern Michigan lakes have seen zebra and quagga mussels appear and flourish. Long Lake has been extremely fortunate to avoid such infestations, in part due to it being a relatively quiet lake with few boat launches (most invasive species are unknowingly brought in by boaters that don't live on the lake).





Lake Management–Zebra Mussels



Chairperson / Rick Dahlstrom

- However, several lake residents have recently found small clumps of mussels. Zebra mussels can have small populations for years before suddenly showing explosive growth. They are usually about ¼-1.5 inches long, with brown and tan stripes (though stripes may be lacking) on a D-shaped shell. They produce microscopic eggs that can travel through open water and in bilge water or minnow buckets on boats.
- Because Long Lake may be in the early stages of an invasion, it is important to document and remove all new populations to slow their spread. If you think you may have found a zebra or quagga mussel, please note the exact location, take a photo, and remove the mussels from the water, making sure no parts of the mussel are left in the lake. Removal will not only prevent them from releasing more eggs but will allow Long Lake Association to make a positive identification. Please contact Rick Dahlstrom at dahlstromrick5@gmail.com or 248-568-4263 if you think you have found zebra or quagga mussels or have any questions. Thank you for your assistance in helping to manage this potential issue and maintaining the high quality of Long Lake.





Lake Management-Swimmers Itch



Chairperson / Rick Dahlstrom

- This committee has been retired. LLA will continue to provide information on its website regarding how to reduce the chances of getting swimmers itch and what to do to mitigate the effects if you do experience it on our website.
- Please review the video below that includes an interview of Ron Reimink by Jan Garvey of the Elk Skegemog Lakes Association regarding the latest Swimmer Itch findings:

<https://youtu.be/ljnIARoOR00>



Lake Management-Prevention



Chairperson / Mark Cerny

- The road cleanup date for 2021 was May 8th. LLA board members and other volunteers picked up trash along the northern edge of Long Lake along North Long Lake Road.





Water Safety



Chairperson / Mark Cerny

2020 Water Activity on Long Lake

as Reported By Ian Ferguson of the Grand Traverse Sheriff

223 Patrol Hours on Long Lake or 21.5% of total hours spent on all bodies of water

- 135 Stops
- 1 BUI (Boating Under Influence)
- 1 BUI Warning
- 8 Careless/Negligent/Reckless Operating warnings
- 4 Navigation Rules Citations
- 52 Navigation Warnings
- 19 Mandatory PFD (personal flotation device) Citations
- 2 Mandatory PFD Warnings
- 5 Registration Citations
- 14 Registration warnings



Water Safety



Chairperson / Mark Cerny

- We will contract for additional marine patrol on an as needed basis
- Swimming safety reminder - Dangers of attempting to swim from islands to shore
- Marine Patrol - 231-922-2112. Try to get the MC number when reporting incidents.
- Central Dispatch Non-Emergency - 231-922-4550.



Fishing & Loons

Chairperson / *Terry Motley*





Fishing & Loons



Chairperson / *Terry Motley*



- There are three Loon families and five chicks on the lake this year.
- The loon population remains very strong
- Please look out for the Loon families while boating and keep your distance.



Fishing & Loons



Chairperson / *Terry Motley*



- Fishing for walleye, bass and perch has been good this spring and summer.
- Fishing habitat, food and spawning on the lake continues to be very strong, supporting a vibrant fishery.



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





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.
- Continuing outhouse cleaning and stocking, litter patrol. Thanks for helping keep our islands clean for all to enjoy!

THANK YOU!
Annual Discussion Meeting
June 24, 2021



www.LongLakeAssociation.com