



*Advice from a*

# ***LAKE***

*Be clear*

*Make positive ripples*

*Look beneath the surface*

*Stay calm*

*Shore up friendships*

*Take time to reflect*

*Be full of life*

*~ Ilam Shamir*



**Welcome Back to Paradise**  
**June 3, 2019**

**LONG**  
**LAKE**

[WWW.LONGLAKEASSOCIATION.COM](http://WWW.LONGLAKEASSOCIATION.COM)



# 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.



# Agenda | Meeting Time 60 Minutes

**5:30 | Welcome & Presidents Message**

**Treasures Report**

**Membership**

**Fishing & Loon**

**Island Maintenance**

**Water Safety**

**Swimmers Itch Study**

**5:45 | Long Lake Foundation – Rick Kiehle**

**5:50 | LLA/NMC Internship Program – Len & Barry**


**6:05 | Lake Management – Jim Wheaton**

**6:20 | Long Lake Township Update – Karen Rosa**

**6:25 | Questions & Answer (if you have more questions all board members will be on the Big Deck)**

**6:30 | Adjournment and to Boone's Big Deck for Socializing**



An aerial photograph of Long Lake, showing its complex shape with several forested islands and peninsulas. The water is a deep blue, and the surrounding land is covered in dense green trees. In the distance, some industrial or agricultural structures are visible.

Long Lake Association

# **PRESIDENT'S MESSAGE**



# Budget Summary - Income

FY 2018-19 [Sept-2018 through May-2019]

<b><u>INCOME</u></b>	<b><u>Budgeted</u></b>	<b><u>Actual Income</u></b>
Contributions and Gifts	\$5,500.00	\$3,283.00
Interest Income	\$4.00	\$0.68
Membership Dues	\$16,000.00	\$6,675.00
Riparian Subscriptions	\$600.00	\$284.00
Other Income – including partner contributions	\$21,000.00	\$14,930.63
	\$43,104.00	\$25,173.31





# Budget Summary - Expenses

FY 2018-19 [Sept-2018 through May-2019]

<b>EXPENSES</b>	<b>Budgeted</b>	<b>Actual Expenses</b>
<b>Administrative &amp; Financial</b>	<b>\$3,825.00</b>	<b>\$1,007.63</b>
Insurance: Directors Liability	\$1,930.00	\$0
Insurance: Umbrella Policy	\$820.00	\$0
Treasurer's Bond	\$90.00	\$90.00
Insurance: Island Maintenance	\$385.00	\$0
Other	\$600.00	\$917.63
<b>Communications</b>	<b>\$5,500.00</b>	<b>\$2,156.86</b>
Newsletter	\$2,000.00	\$1,358.86
Website: Maintenance \$500 Redesign \$3,000	\$3,500.00	\$0
Other	\$50.00	\$798.00
<b>Lake Management</b>	<b>\$30,000.00</b>	<b>\$11,634.12</b>
Lake Management Memberships	\$900.00	\$100.00
Weed Management	\$11,800.00	\$800.00
NMC Internship Lake Studies	\$6,000.00	\$3,970.32
Surveying/mapping (partners \$4,500)	\$9,050.00	\$4,676.20
Swimmers Itch Study (partners \$5,469)	\$2,250.00	\$2,187.60
<b>Fishing and Loon – New Artificial Loon Nest</b>	<b>\$0.00</b>	<b>\$185.46</b>
<b>Island Maintenance</b>	<b>\$500</b>	<b>\$0</b>
Other Island Maintenance	\$0	\$0
<b>Membership/Nominating</b>	<b>\$3,000.00</b>	<b>\$7.78</b>
<b>Recreation/Welcome Back</b>	<b>\$750.00</b>	<b>\$0.00</b>
<b>Water Safety</b>	<b>\$0.00</b>	<b>\$0.00</b>
	<b>\$43,652.00</b>	<b>\$14,991.85</b>



# Budget Summary – Fund Bal.

FY 2018-19 [Sept-2018 through May-2019]

Beginning Fund Balance as of :	8/31/2018	\$30,347.65
Change in Fund Balance as of :		\$10,181.46
<b>Ending Fund Balance</b>	<b>5/31/2019</b>	<b>\$40,529.11</b>





# Membership Stats

*Chair | Mark Eckoff*



## Calendar Year

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 out of 720**

**2019/2020: 200 out of 825 mailings**



# Fishing & Loons

*Chair | Terry Motley*



- All six nesting sites are active, hoping for a great nesting season.
- A Loon nesting area sign was added to Annie's Island (Brush Island) to help protect the nesting site.
- Video taken 6/3/2019 Rick White's Dock





# Fishing & Loons

*Chair | Terry Motley*



- Fishing for walleye, bass and perch has been good this spring.
- The daily perch limit was reduced to 25 fish per day from 50.
- The results from the DNR fish survey, completed in May of 2017, are expected later this summer.



# Island Maintenance

*Chair | Dan Marks*

- There was a fire last year July on Long Island and was extinguished by Long Lake Township Fire boat.
- On the schedule for 2019 is dock install, trails litter pickup, and stocking of the restrooms.
- Special attention will be given to evaluating the erosion on the south end of Long Island and the south side of Fox Island this year.
- Many thanks to the Oleson family for donating 5 new picnic tables and 2 new benches on Long Island





# Water Safety

*Chair / Walt Kraimer*

- 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.



# Swimmers Itch (SI) Update

*Chair | Rick Dalstrom*

- LLA invested roughly \$13K in 2018 to perform an assessment and research on our lake.
- Also, training was provided to allow for our own water sampling to test for new incidents of SI as they occur in 2019.
- Samples are sent to a third party consultant for analysis of SI source.
- We will continue to monitor occurrences of SI on our lake and take appropriate actions, within the scope of our LLA budget.
- Please notify your Board if you or any family/friends contact SI while swimming in Long Lake. Notification can happen by going to our new website at [longlakeassociation.com](http://longlakeassociation.com) or calling Rick Dahlstrom at 248-568-4263.





# Long Lake Foundation

*President / Rick Kiehle*

## MISSION STATEMENT:

To be a community leader in raising funds to provide for; contributions to scientific studies, education of public on best practices, and to promote projects that support the environment in and around the lakes within the Long Lake Watershed.





# LLA/NMC Internship Program



# What is happening in our lakes?

Common Questions



# Fish, Fowl, Plankton, People and More



# Foam

**A NATURALLY-OCCURRING PHENOMENON**

Natural organic material— decomposed  
plant oils



# Bacteria

**A NATURALLY-OCCURRING PHENOMENON**

May look like oil-film, slime, or coating on  
rocks, sediment, or water surface

Single celled organisms



# Bacteria

**A NATURALLY-OCCURRING PHENOMENON**

Likely to occur if water carries iron,  
manganese, copper or sulfur

# Algae

## A NATURALLY-OCCURRING PHENOMENON

May appear as scum—red, green, black or blue green

Thick layers or blooms form when nutrients – mainly Phosphorus and Nitrogen occur in excess of natural amounts



# What can you do about Algae?

**Leave a natural buffer zone at the lake.**

**Minimize run off.**

**Have your soil tested.**

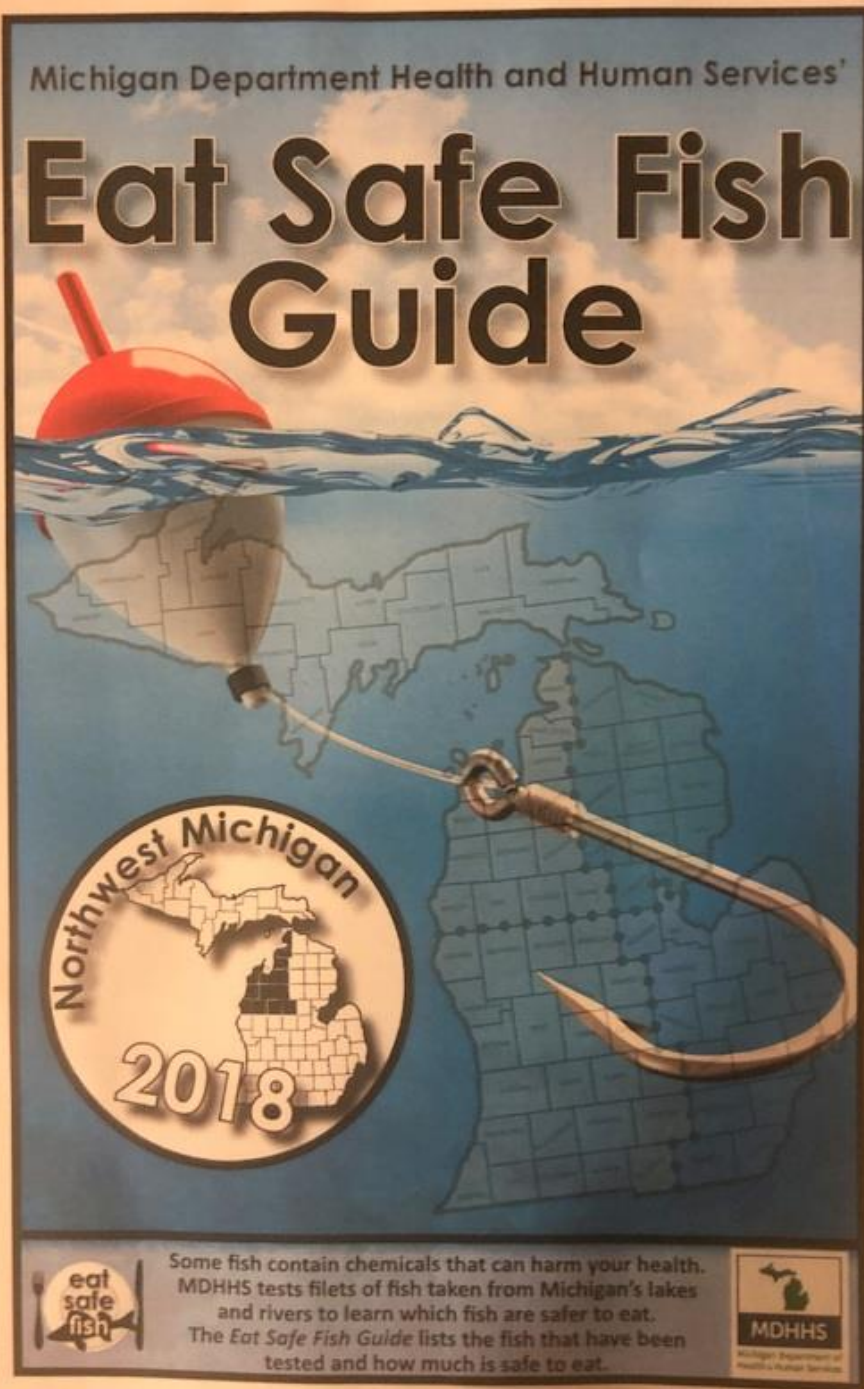
**Use Zero phosphorus fertilizer, if you need to fertilize.**

**Don't fertilize within 15 feet of the lake.**

See [Michigan.gov/mda-fertilizer](http://Michigan.gov/mda-fertilizer) or [BePhosphorusSmart.msu.edu](http://BePhosphorusSmart.msu.edu)



[Michigan.gov/eatsafefish](https://Michigan.gov/eatsafefish)





# Statewide Safe Fish Guidelines

Type of Fish	Chemical of Concern	Size of Fish (length in inches)	MI Servings per Month*
Black Crappie	Mercury	Any Size	4
Bluegill	Mercury	Any Size	8
Bullhead	Mercury	Any Size	4
Carp	PCBs	Any Size	2
Catfish	PCBs & Mercury	Any Size	4
Largemouth Bass	Mercury	Under 18"	2
		Over 18"	1
Muskellunge	Mercury	Any Size	1
Northern Pike	Mercury	Under 30"	2
		Over 30"	1
Rock Bass	Mercury	Any Size	4
Smallmouth Bass	Mercury	Under 18"	2
		Over 18"	1
Suckers	Mercury	Any Size	8
Sunfish	Mercury	Any Size	8
Walleye	Mercury	Under 20"	2
		Over 20"	1
White Crappie	Mercury	Any Size	4
Yellow Perch	Mercury	Any Size	4



# What do we Sample?

Transparency

Total Phosphorus

Chlorophyll a

Temperature/

Dissolved

Oxygen

Conductivity

Nitrate/Nitrite

Calcium

pH

Plankton

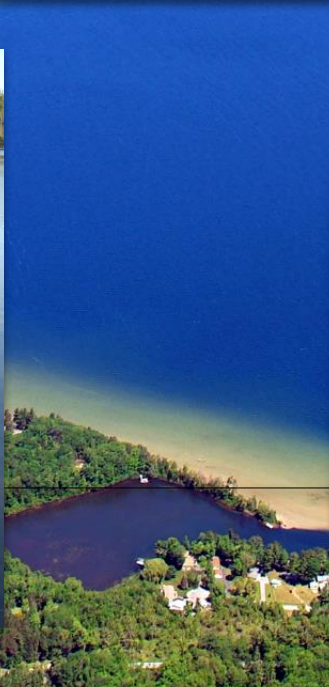
Invasive Plants

Shoreline





# Long Lake Association Internship 2016- present





# What we got out of the Internship:

- Internships
  - Chelsea: Manistee Conservation District
  - Kathryn: GRACE project, GT Watershed Center
- Entrepreneurial Aspirations
  - Address Lake Association needs
    - Data Management/Water Quality/GIS/Web Application
    - Educational Outreach Events
  - Address Community needs
    - Formal education with school districts





# Michelle Preston Abbey Hull 2019 Interns













# Lake Management

*Co-Chairs / Jim Wheaton & Barry Lishawa*

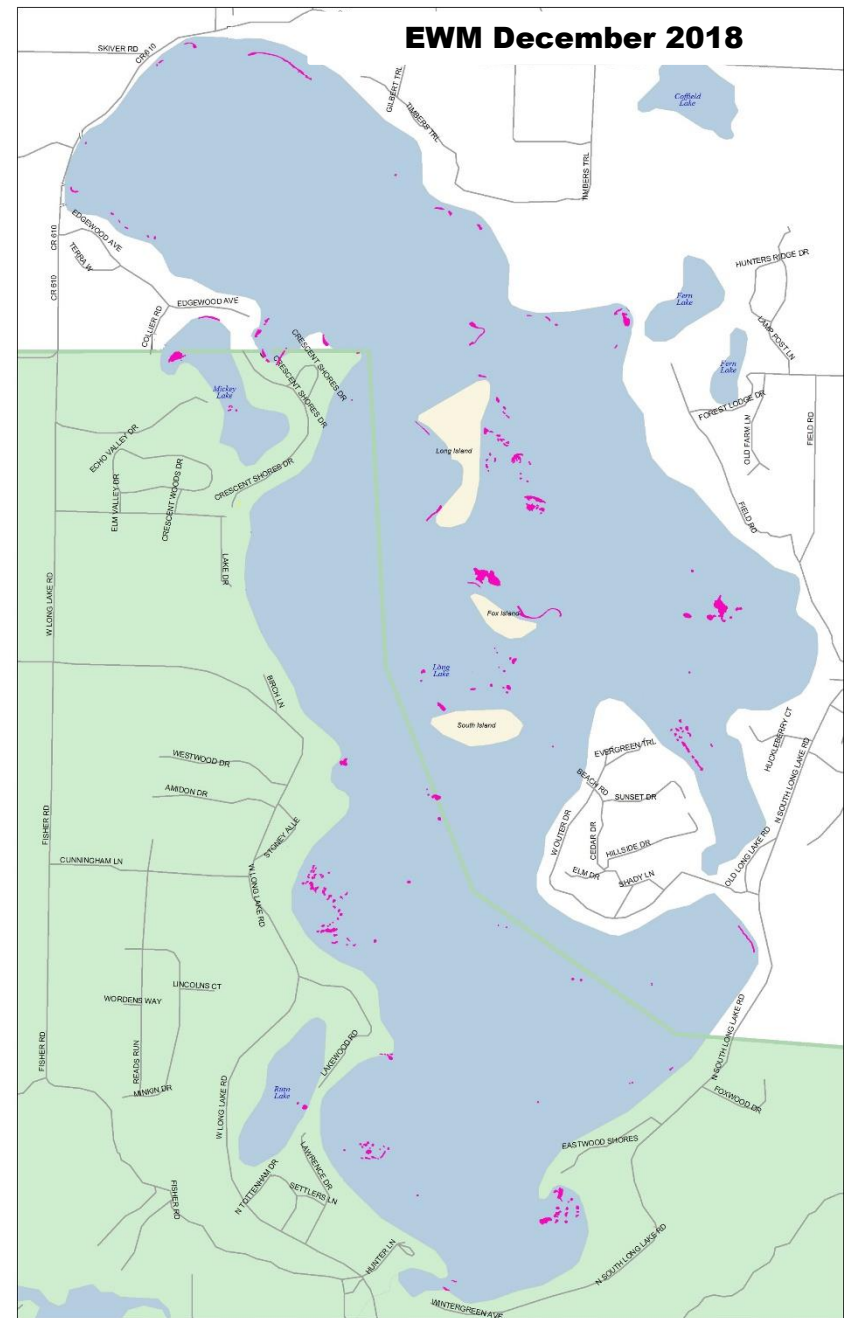






# Eurasian Watermilfoil Survey 2016-17

1. Treatment dates: **June 24<sup>th</sup> & July 29<sup>th</sup>**
2. We plan to treat 25 sites with area of 10 acres
3. First treatment will skip Ruth Lake
4. Lake Management Committee received all info from Zero Gravity at December 2018 meeting.
5. Drone pictures allow Lake Committee to be proactive.





# Long Lake Township Update

*Karen Rosa – LLT Supervisor*





# Member Meetings

## LLA Board Meeting Schedule

- July 10
- August 14
- August 17\*\*
- September 11
- October 09

**\*\* August 17, 2019**

**10:00 AM**

**Annual Board Meeting  
at Boone's Long Lake Inn**

**KENSINGTON  
CHURCH**





# It's Party Time



- Please thank Boone's for hosting our events and meetings.
- Be kind to the wait staff.
- Thank you for attending and supporting LLA!