

This Issue

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March 17th, 2022—Chadwick Learned

2021 What a great year for friends and family!

A bit more “normal” returns to the lake. After a few years of change we had some stabilization last year. There was lots of activity on the lake with a few new owners moving in. Shoreline rehabilitation, beach restoration and dock updates were a plenty. It was so nice to see many of our residents taking pride in there properties, making updates to their homes and enjoying the lake season. Fisherman reported a healthy fish population with plenty to catch for all.

We had a very successful boat parade and picnic last year! Special thanks to Ron and Jolinda Douglas for hosting the picnic it was AWESOME!

New to the lake? Questions? Just want to chat? Feel free to give me a ring anytime or reach out to any other member of the board!

-Chadwick Learned clearned@gmail.com 269-779-3636
President - Three Mile Lake Association



Boat Parade

This Years boat parade will occur Saturday, July 2nd, 2022



Meet on the south side of the lake in the bay at 7:30pm to start our troll around the lake. Feel free to join in line with your boat or jet ski anytime! OR just enjoy the parade from your dock.

Who's going to have the best decorated boat this year?

Three Mile Lake Picnic 2022

For many years the Three Mile Lake Association has hosted a picnic for all our residents

All are Welcome, no need to be a member!

Volunteer Site Needed

The host site is rotating and we are seeking a volunteer to host the picnic this year. The board provides all the food, tables, chairs, prizes and port-o-jon . All we need is someone willing to have the community over for the annual meeting, picnic, fun and games!

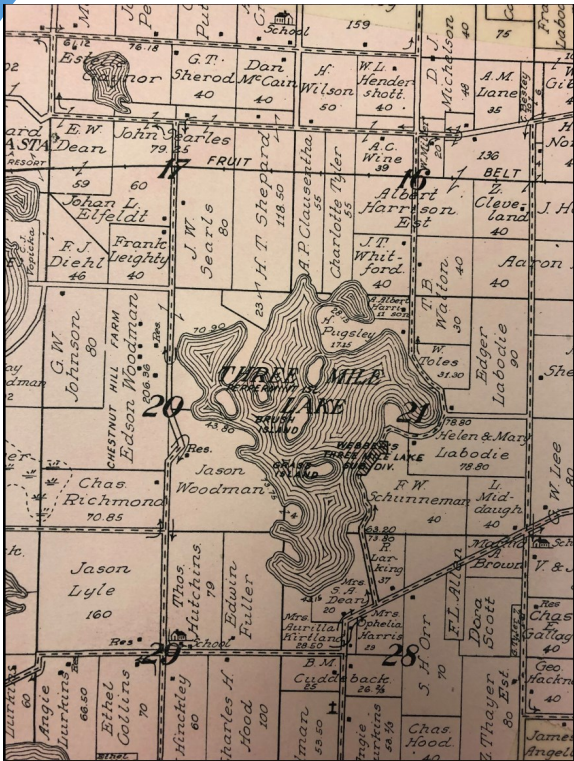
If you have any interest at all in hosting please contact:
admin@threemilelakepawpaw.org or call

Chad—269-779-3636

Jim—708-610-2065

Board Members

<u>Position</u>	<u>Name</u>	<u>Phone</u>	<u>Email</u>	<u>Term Expiring</u>
President	Chadwick Learned	269-779-3636	clearned@gmail.com	2024
Vice President	Mike Sullivan	269-352-2781	tikibar1970@gmail.com	2022
Treasurer	Jim Chlada	708-610-2065	jimchlada@comcast.net	2024
Director	Francisco Posada	269-823-3810	franciscopolposada@gmail.com	2023
Director	Ron Cicchini	269-657-5096	do3do@comcast.net	2023
Director	Charlie Bear	269-657-7590	bearcsm@yahoo.com	2022
Director	Rich Maxwell	269-657-7343	maxpp4444@aol.com	2023
Director	Millie Pawlowski	312-406-1129	mill.pawl@gmail.com	2022
Director	Jolinda Douglas	269-655-0059	Jolinda.douglas42@gmail.com	2024



This is a map from 1912. There were a “few” less property owners back then. This was made before either World War! The Ford Model T had just come out a few years prior. I wonder who the first hot shot with a car was on Three Mile Lake?



April 1985, First satellite image. Landsat Copernicus Satellite image. Looks blurry now, but best we could get back then. Were you or your family here in 1985?



March 1999 The detail of imagery increases with US Geological survey Landsat 7 Satellite

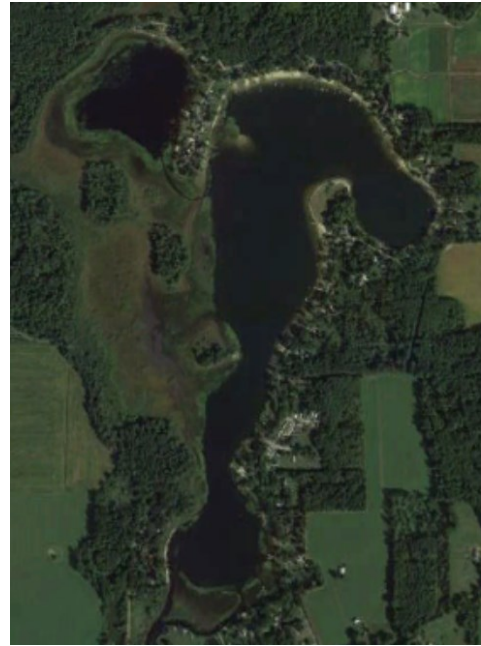


August 2005—Aerial Imagery





April 2010



September 2016



March 2019, This was a very high water year and the year the lake drain petition was approved to alleviate the flooding experienced this year and the previous one.



March 2021



Member Questions and Answers

The Three Mile Lake Board received a few questions over the past year and we thought we'd share those and the answers for everyone's benefit.

Q: Can I put a shed on the beach to store my kayaks/tubes etc?

A: Paw Paw Township ordinances prohibit accessory structures being built within 50ft of the high water line. This guideline was developed by the township and is applicable to all waterfront property in the township, this is not a Three Mile Lake specific "rule". It was implemented to facilitate consistent and open site lines. Similar ordinances exist in nearly every township/city in the state. So unfortunately NO.

Q: Are there northern pike in the lake?

A: Yes, while rare someone has caught northern pike every year for the past several years. They are certainly a trophy fish for the lake! Thank You longtime resident and board member Franciso Posada for answering this one!

Q: What the speed limit for boats?

A: This is actually governed by the state, it is 55MPH.

Q: Can we run our boat at night?

A: OF COURSE! There's a few things you should keep in mind.

1) You must have red/green split light on the front as well as 360 degree white light on the stern (rear) anytime after sunset or dark conditions for powered vessels. Unpowered vessels require at minimum a single white light.

2) Docking lights—These are lights that shine forward should not be used when navigating the lake – they create an unsafe overpowering light for other vessels approaching from the opposite direction. These lights are only used for DOCKING.

Q: Is there a noise limit? That boat/motorbike is pretty loud.

A: Paw Paw township does not have a noise ordinance that applies to boating or music etc. However Michigan law limits noise is a few ways that apply.

1) Michigan law states that a vessel's muffler or exhaust system must prevent noise in excess of: 90 decibels at idle from three feet away and... 75 decibels when measured from the shore.

2) Similar laws exist for operating snowmobiles or motorbikes on frozen surface of the lake. Essentially, it's legal but the noise shouldn't be unlawfully loud or intrusive.

Q: Can you rent out your dock to someone else to store their boat at your house and access the lake?

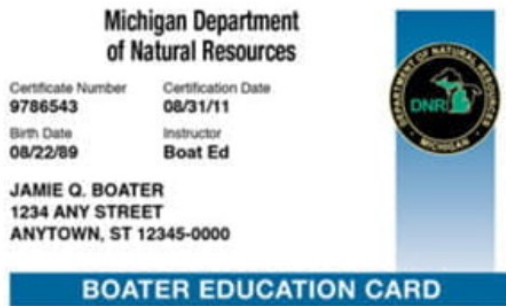
A: The short answer is NO, this is strictly prohibited under Michigan law. Only a licensed marina may do so. Bonus: You can have ONE DOCK per property—the 2021 Newsletter has a thorough review of dock regulations.

Q: I don't think the weed control is doing very good I have lots of weeds around my dock and beach area can you have them come back to kill the lily pads?

A: Our weed control program address's invasive species of weeds, Milfoil, Curlyleaf, etc. The most commonly complained about weeds are Lilly pads and seagrass which are native species and not permitted to be treated for under Michigan state law.



DNR Resources / Free Fishing! / Riparian Magazine



The Michigan DNR offers online and classroom based options for obtaining your boating safety certificate. Below are links to pertinent resources.

Those **born on or after July 1, 1996** may legally operate a motorized boat over 6 horsepower only if they have been issued a [boating safety certificate](#) and have it in their possession.

<https://www.michigan.gov/dnr/things-to-do/boating/safety-certificate>

<https://www.michigan.gov/dnr/things-to-do/boating/rules-and-regs/age-restrictions>

Michigan's annual fishing license is valid from March 1 of a given year through March 31 the following year. Purchase licenses online at [Michigan.gov/DNRLicenses](https://www.michigan.gov/DNRLicenses).

You can enjoy the outdoors and fish with your family, friends or make it a solo trip!

The Michigan Riparian is the only magazine devoted exclusively to covering current issues relevant to the protection, preservation and improvement of Michigan's inland waters, and to the rights of riparian property owners to protect and enjoy their waterfront property. Visit mi-riparian.org for more info or to subscribe.



MLSA
SINCE 1961
Protecting Michigan's Lakes & Streams

Michigan Lakes and Streams Association, Inc. is a non-profit, state-wide organization dedicated to the preservation, protection and wise management of Michigan's vast treasure of inland lakes and streams. We achieve our mission by supporting riparian associations as well as the collective and individual educational, stewardship and conservation initiatives of our members which include lake associations, concerned citizens, commercial and non-profit businesses as well as our public and private collaborative partners.

Visit mymlsa.org for more information!



Birds of Three Mile Lake

While there are surely **DOZENS** if not more birds species found around the lake, we're highlighting some of the more interesting ones below. Do you have a favorite bird not seen here? Write up a short description/ reason why and email admin@threemilelakepawpaw.org we'll include it in the next newsletter!

Great Blue Heron

There are always a few of these around the lake, one of the favorites of our residents! This is the largest of the North American Herons. Watch for them on the shore line "fishing" as they pluck fish right from the water!



Grey Heron

Similar to the blue heron above but without the S shaped neck. Grey Herons are also smaller. They are very rare in North America being much more common in Europe, Asia and Africa.



Swans

I love seeing the Swans in the lake as it's a signal the summer season is almost here! Generally speaking swans mate for life just like many of our longtime married couples on the lake. Did you know swans can live over 20 years!



Cormorants

Up close the orange yellow skin on their face and throat is quite colorful. These fishing birds dive down under the water to get their dinner! After swimming underwater you can see them drying their wings out before taking off again.



Bald Eagle

Really!?, yep we've had a bald eagle nesting somewhere nearby the last few years and see it flying around the lake on occasion. Bald eagles feast on fish, ducks, snakes and turtles. They can reach 100mph when diving.



Sandhill Cranes

With their red heads, long legs and loud rolling calls you'll know this bird when you see or hear it. These historic birds have been on earth at least 2.5 million years! The last few falls they gather by the hundreds on the southwest side of the wetlands. Take a kayak to see them!



Three Mile Lake Health

The lake is tested / analyzed twice per year to determine the health of the lake and water conditions. Our 2021 report and all HISTORIC reports/analytical are available on the website threemilelakepawpaw.org - Click the tab on the left labeled LAKE MANAGEMENT

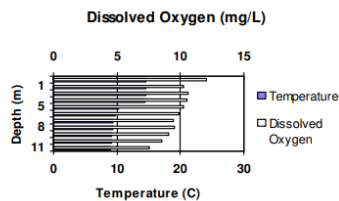
We're very fortunate to have been able to maintain very healthy conditions for fish growth and swimming throughout the years. Our natural wetlands and sources of incoming water contribute to the high quality of water in Three Mile Lake.

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 4/9/2021 Site: middle

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 8/19/2021 Site: middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	14.6	12.1	124
1	14.6	10.3	99
2	14.5	10.6	104
3	14.4	10.5	103
5	10.3	10.2	92
6	9.7	9.9	87
7	9.4	9.4	82
8	9.3	9.5	83
9	9.2	9.1	80
10	9.1	8.6	75
11	9.0	7.5	70



Secchi Disk Depth 3.5 meters
Thermocline Depth 4.5 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	135	uS/cm	
Total Dissolved Solids	88	mg/L	Low concentration of dissolved salts
pH	8.1	S.U.	Water is slightly alkaline
Alkalinity	61	mg CaCO3/L	Water is soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	260	ug/L	Slightly nitrogen enriched
Chlorophyll		N/A	

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	42	mesotrophic
Based on Total Phosphorus	33	meso-oligotrophic

Conclusions

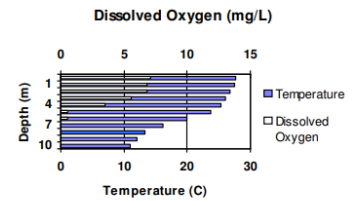
- Conditions are good for fish growth.
- Minimum dissolved oxygen is adequate for good fish production.
- pH is within acceptable limits.
- Phosphorus and Nitrogen are within acceptable limits.
- No remedial action recommended at this time.
- Repeat LakeCheck in Fall.

- WARNING, condition requires immediate attention.
- CAUTION, condition requires further evaluation.
- OK, condition within acceptable limits.
- NEUTRAL, condition neither good nor bad.

Notes

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	27.6	7.1	90
1	27.4	6.9	87
2	26.8	6.9	86
3	26.0	5.6	69
4	25.3	3.5	42
5	23.7	0.5	6
6	19.9	0.5	6
7	16.1	0.1	1
8	13.3	0.1	1
9	12.0	0.1	1
10	11.0	0.1	1



Secchi Disk Depth 2.5 meters
Thermocline Depth 4.5 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	140	uS/cm	
Total Dissolved Solids	91	mg/L	Low concentration of dissolved salts
pH	8.3	S.U.	Water is slightly alkaline
Alkalinity	64	mg CaCO3/L	Water is soft
Total Phosphorus	32	ug/L	Phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll		N/A	

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	47	mesotrophic
Based on Total Phosphorus	50	moderately eutrophic
Based on Chlorophyll		N/A

Conclusions

- Conditions are good for fish growth.
- Minimum dissolved oxygen is adequate for good fish production.
- pH is within acceptable limits.
- Sample is somewhat phosphorus enriched. Create natural buffer between lawn & lakeshore.
- REPEAT LakeCheck NEXT YEAR!

- WARNING, condition requires immediate attention.
- CAUTION, condition requires further evaluation.
- OK, condition within acceptable limits.
- NEUTRAL, condition neither good nor bad.

Notes

Late summer phosphorus sample is taken below the thermocline. Phosphorus is expected to be higher at this depth

These results are very similar to our results in previous years. Every year we see more phosphorus enrichment in the fall. Generally this is due to nitrogen enrichment from runoff of fertilizer.

Reminder: PLM treats the lake for invasive weed species. They are not permitted to treat for native species of weeds/aquatic growth such as lily pads.



NOTICE 2022

PLM Lake and Land Management Corp
8865 100th St. SE, Alto, MI 49302
(616) 891-1294(o) (616) 891-0371(f)
www.plmcorp.net



Three Mile Lake has been scheduled for the **week** of:

Date	Description	Date	Description
4/4/2022	Water Quality	6/27/2022	Weed & Algae Treatment & E.coli
5/2/2022	Survey	7/25/2022	Weed & Algae Treatment & Water Quality
5/16/2022	Weed & Algae Treatment	8/22/2022	AVAS Survey & Weed & Algae Optional
6/6/2022	Weed & Algae Treatment		

EGLE permitting restrictions, national holidays, and/or weather conditions may influence the timing of treatments throughout the 2022 season. PLM treats each lake according to a schedule or season plan, established with the cooperation of your lake association, lake board or residents on the lake. The treatment schedule is approximate. Please watch your shoreline for the posting of the 8.5x11 inch, yellow or green signs. The signs will indicate the date of the treatment, the products used, and any restrictions on the use of treated water for swimming, watering lawns, etc. The property owners in this area are planning to have the waters chemically treated to control lake weeds and/or algae. This notice is being circulated in accordance with Department of Environment, Great Lakes and Energy (EGLE) procedures. Below is a list of herbicides that **may** be applied to the lake and the associated use restrictions. On the day of treatment, signs will be posted along the shoreline within 100 feet of treatment areas that indicate what products were used and specific water use restrictions that apply:

Chemical product/active ingredient	Chemical trade name	Do Not Use this water for swimming or bathing until	Do Not Use this water for ornamentals or turf irrigation until	Do Not Use this water for domestic purposes or agriculture irrigation until	Do Not Use this water for livestock watering or similar purposes until
Endothall Diquat Dibromide	Aqua Strike	1 Day(s)	3 Day(s)	5 Day(s)	14 Day(s)
Glyphosate	Aquaneat	1 Day(s)	N/A	N/A	N/A
Endothall	Aquathol K, Hydrothol 191	1 Day(s)	N/A	14 Day(s)	14 Day(s)
Flumioxazin	Clipper, Propeller, Schooner	1 Day(s)	3 Day(s)	5 Day(s)	N/A
Imazapyr	Habitat	1 Day(s)	120 Day(s)	120 Day(s)	N/A
Chelated Copper Herbicide	Komeen, Komeen Crystal, Nautique	1 Day(s)	N/A	N/A	N/A
Florpyrauxifen-Benzyl	ProcellaCOR EC 2x22	1 Day(s)	Site-specific recommendation* No restriction for established turf/grasses	N/A on domestic; assay indicates no detect at the water intake	N/A
Triclopyr liquid	Renovate 3	1 Day(s)	120 Day(s) or until approved assay indicates 1ppb or less; No restriction for established turf/grasses	120 Day(s) or until assay indicates 1ppb or less. N/A on domestic	N/A
Triclopyr granular	Renovate OTF	1 Day(s)	Site-specific recommendation* No restriction for established turf/grasses	120 Day(s) or until assay indicates 1ppb or less. N/A on domestic	N/A
Diquat Dibromide	Reward, Tribune, Tribune 2.5 Gal. Wilbur	1 Day(s)	3 Day(s)	5 Day(s)	1 Day(s)
2,4-D amine Sculpin	Sculpin G	1 Day(s)	Site-specific recommendation* No restriction for established turf/grasses	N/A on domestic; assay indicates levels under 100ppb at the water intake	N/A

PLM Blue, Cygnet Select, Aqua Shadow Black: water dye (tracer), Copper Sulfate, Cutrine Plus-Ultra, Captain-XTR, Earthtec, SeClear and SeClear G, Formula F-30, K-Tea: chelated copper, Cygnet Plus, PolyAn: Adjuvant, Pak 27, AquaSticker, Green Clean L and Green Clean 5.0: oxidizer, AquaPrep: enzymes & non-ionic surfactants, M.D. pellets, Muck Biotics: gram negative, naturally occurring bacteria. PLM Enzyme: enzymes, Phoslock: phosphorus locking technology, EutroSORB phosphorus binding media.

No Restrictions on swimming, bathing, irrigation, domestic purposes or livestock watering.

For a complete listing of all product labels, please see our website.

N/A= Not Applicable INDEF= Indefinite

*Site-Specific recommendations to limit ornamental irrigation with ProcellaCOR, Renovate & Sculpin granular treated water will typically last 2-14 days. Contact PLM for further information.

The chemicals used for Aquatic Nuisance Control are registered by the U.S. Environmental Protection Agency and the Department of Environment, Great Lakes and Energy. The potential for damage to fish and other non-target organisms is minimal provided that the product is used as directed on the product label and the permit. To minimize the possible effects on health and the environment, the treated water is restricted for the above purposes.

PLM Lake & Land Management Corp. Certified Applicators: Salvatore Adams, Preston Adgate, Andrew Anger, Jason Broekstra, Adam Cichon, William Conklin, Gerald Dailey, Jaimee Desjardins, William Ducham, Jeff Fischer, BreAnne Grabill, Dustin Grabill, Christian Halquist, Steve Hanson, Sean Hawkins, Kyle Heath, Jake Hunt, Garrett Johnson, James Lee, Blake Mallory, Michael Pichla, Elijah Quinn, Eric Reed, Colton Risner, Eric Roberts, James Scherer, Alison Schemmerhorn, Ben Schemmerhorn, Casey Shoaff, Lucas Slagel, Keith terHorst, Jeff Tolan, Andy Tomaszewski, Dennis Vangessel, Andrew Weinberg, Elliot Wollman

Method of Application: Chemical application will be made via boat, back pack, and/or land vehicle applying liquid surface products by surface spray and/or injection. Granular product application will be surface broadcast.

Permit Information Department of Environment, Great Lakes and Energy PO Box 30273, Lansing, MI 48909-7773 EGLE-WRD-ANC@michigan.gov

These schedules are subject to change due to conditions—look for posted signs when treatment occurs





The Three Mile Lake Association is seeking residents that may be interested in joining the board. Whether you are new to the lake or have been here for decades we would love to have you, your input and perspective.

We have an officer position available—Secretary and anyone can run for any other officer position at the annual meeting.

Sorry for the later than normal issue of the Newsletter!

We've been running without a Secretary for a few years now. Generally speaking the secretary would take minutes at the once or twice yearly meeting and prepare the newsletter (with help).

For many years now a very small group of us have preformed the limited duties the lake association takes on and we could really use some help from new board OR general members for the following.

- **Spring Buoy Placement**
- **Fall Buoy Removal and Storage**
- **Newsletter Preparation and Articles, Folding and Mailing**
- **Assistance in finding volunteer site (s) for the Lake Association Picnic**

The "Three Mile Lake Corporation" was incorporated on February 24, 2000. Our mission is to promote and to operate as a community of common interest, to try to preserve, protect and enhance the waters and watershed, land values, enjoyment of property and social relations of Three Mile Lake and Little Three Mile Lake.

Among other things we;

- ◆ Publish, maintain and update the website at threemilelakepawpaw.org
(all old newsletters, lake quality reports are archived)
- ◆ Send newsletters
- ◆ Meet at least yearly to discuss any pertinent issues.
- ◆ Provide food, prizes, and activities at the annual picnic!
- ◆ Maintain the master email list and routinely put out important updates.
- ◆ Serve as an informational resource for our members
- ◆ Address any bulk concerns with appropriate officials
- ◆ Coordinate with local government on issues affecting Three Mile Lake
- ◆ Administer the Lake Weed Treatment program with PLM, which has helped keep our waters nearly free of invasive species.

Whether you are a returning member from years past, or brand new to the lake please consider joining our association. We'd love to have you!

Go the website at threemilelakepawpaw.org and click **BECOME A MEMBER**— you can pay online or mail in a check! Or use the included form.



Friendly reminder that in Michigan you must keep your pet leashed when not contained on your property.





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