



Lake Shore Breeze

Fremont Lake Association

MISSION STATEMENT

The purpose of the Fremont Lake Association will be to improve the water quality of Fremont Lake and its watershed through research, education and actions leading to lake maintenance and improvements; promote activities which enhance the social welfare of its members & provide pertinent information through its Website, Newsletter and Meetings as appropriate. ▲

ANNUAL MEETING

2019 ANNUAL MEETING AGENDA

Saturday, May 18 at 9:00AM at the Sheridan Charter Township Hall

The purpose of our meeting is to update members on the current condition & plans to improve Fremont Lake. BreAnn Grabill from PLM will review the 2018 Plant Management results & outline the 2019 program to control invasive plants. Erick Elgin from MSU may be available to report on the observations & recommendations of the MSU Study. Dale Twing, Newaygo County Drain Commissioner, may be available to discuss the 2018 flood conditions. Eric Hanson will discuss plans for this year's Fireworks. Committee actions & plans for 2019 plus Committee Elections will complete the meeting. We have several members interested in running for a 3-year term. If you're interested, please contact a Committee Member to be added to the election slate. ▲

*If the above attractions don't get your attention - -
How does donuts & coffee will be provided sound !?!*



2018 Annual Meeting Summary

The 2018 Annual Meeting was held on May 12 & attended by 30 people.

MSU 2016 Survey - Erick Elgin of MSU summarized the MSU Survey that is available on FremontLake.net. Highlights included: The result of current management practices has made Fremont Lake a relatively healthy lake but continues to have a high sediment base causing the lack of oxygen below 20-30 depth. A “No Wake Zone” was recommended to help reduce the EWM fragmentation. We are considering a communication effort with launch site signage to inform boaters of the appropriate shallow areas to practice & low oxygen levels caused by the high nutrient load. He concluded with reviewing the recommendation of the MSU Survey that include continuing the invasive species control effort, considering a “NO WAKE ZONE” that would assist in controlling invasive weeds.

Weed Control - BreAnn Graybill from PLM indicated a concern another invasive weed, Starry Stonewort appearing in west Michigan & is monitoring our lake. Erick Elgin provided several vials of the “Star” bud. Bre encouraged residents should be on the lookout for different appearing weed growth & advise PLM or the FLA Directors of the location. The 2017 high population of Zebra Mussel & Wild Celery was discussed. Bre reported the EWM control coverage – 2014=160A, 2015=48A, 2016=80A, 2017=75A.

Lakeview Dr Bridge - Dale Twing discussed the construction this summer of a new bridge to help reduce the Miller Drain flooding problems.

Walleye Stocking - The DNR has indicated their recent practice of stocking about 40,000 walleyes in the even years for 2018. It was noted that PLM & DNR will coordinate the release date to avoid any conflicts.

Bass Tournaments - Bruce Haveman indicated that 23 Bass Tournament are scheduled with the DNR. 2017 had 14 tournaments.

Fireworks - Eric Hanson the 2016 display cost was about \$7,000 with \$1,000 of that for the insurance premium. The plans for this year are to shoot from the center of the Lake for bigger show that should more visible for the entire community. Sheridan Charter Township has agreed to contribute \$2,500 in 2018. (Fremont contributed \$1,500 after the Annual Meeting)

Silent Auction - Lia Padilla donated several of her paintings of Fremont Lake & other water scenes. The result of the silent auction was \$136 being donated to the Fireworks.

Elections - A slate of 3 year staggered terms expiring by year was accepted:

2019 - Ken Wolffis, Norm Knorr

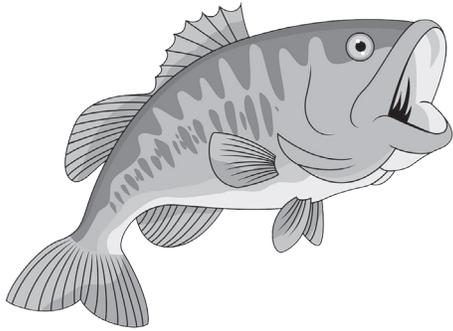
2020 - Nels Johnson, Bruce Haveman, John Sella

2021 - Doug Nieboer, David Landheer, John Rycenga 🏠

2019 Membership Drive

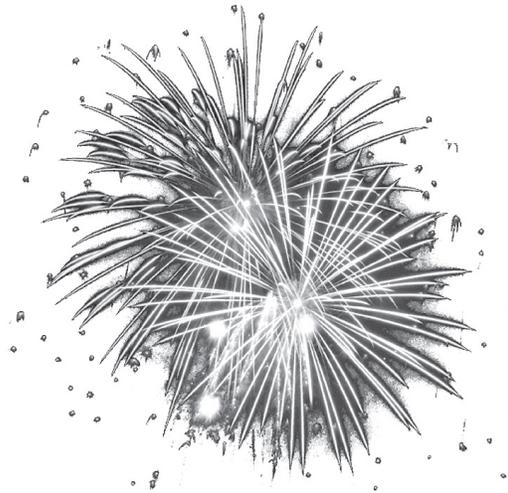
The Fremont Lake Association reorganized in 2007 as a voluntary organization. Our Mission Statement defines our purpose is to enable FLA Members to more effectively manage the lakes eco-system that we currently share for the common good as well as improve property values & make Fremont Lake a Community Asset.

To this end, we’ve accomplished significant & numerous projects & activities by using Association Funds as direct payments, seed money & matching funds for the projects & grants we’ve been able to implement. In addition, our communication goal is to maintain a website & Newsletters to about 200 property owners. Our participation in this voluntary effort improves every year. Your voluntary contribution enables us to continue improving the Fremont Lake community. Please return your check to Fremont Lake Assoc, PO Box 404. Fremont, MI 49412 (**Membership contribution of \$25 or more is suggested**) 🏠



BASS TOURNAMENT Information

In 2016 the DNR began registering Bass Tournaments posting to their website for public information. Fremont Lake had 14 Bass Tournaments in 2017 & 23 in 2018. We plan to provide a link to the appropriate DNR website & list the tournament dates as they become available in 2019 on our website FYI



INDEPENDENCE DAY CELEBRATION WEDNESDAY, JULY 3RD

(Please Note: Rain Date for Fireworks is Sunday, July 7th)

We continue to honor, celebrate & enjoy Independence Day with Spectacular Fireworks. For many years Eric Hanson & Scott Crandell voluntarily organized & conducted the Community Fireworks. They

have been supported by anonymous contributors, FLA individual members, FLA Funds & recently Sheridan Charter Township & City of Fremont contributions. A new FLA Member, Dirk Schipper has volunteered to help with the fund-raising activities. Thanks are in order to Eric, Scott & now Dirk for keeping this volunteer effort going for FLA members as well the entire community. Donations may be sent to FLA PO Box 404 with your dues or to Scott Crandell - Fremont Fireworks LLC PO Box 148 Fremont, 49412.

2018 was the 2nd year the Fireworks were shot from the center of the lake for improved visibility because Eric was able to get some rafts & pontoons. The reason for the Saturday, July 6th or 7th Rain Date is that a licensed contractor is required for the size of Fireworks we enjoy. Eric volunteers to shoot the Fremont Lake Fireworks. However, he does have a contract on July 4th & needs time to reset the Fireworks & equipment in the middle of the lake. We're expecting Eric to attend the Annual Meeting to discuss this year's program. 



COOPERATIVE LAKES MONITORING PROGRAM (CLMP)

By Andy Harrington – City of Fremont Staff

The City of Fremont participated in the Cooperative Lakes Monitoring Program (CLMP) during 2018. The CLMP is designed specifically to monitor changes in lake productivity. The current program enlists citizen volunteers to monitor water clarity, the algal plant pigment chlorophyll a and dissolved oxygen throughout the summer months, while total phosphorus is sampled during the spring and late summer. These parameters are indicators of primary (algal) productivity and, if measured over many years, may document changes in the lake.

In past years, volunteers have spent significant time on the lake testing and sampling Fremont Lake and relaying their samples / findings to CLMP, who compiles a yearly report of the results. Over the last several years however, such sampling has not been done so on the regular, so Fremont decided to send a representative (Andy Harrington) to training put on by the Michigan Clean Water Corps (MiCorps) last May. From May through September of 2018, the following tests and samples were conducted on Fremont Lake: transparency, chlorophyll a, summer phosphorus, and dissolved oxygen and temperature. These same parameters, as well as the addition of spring phosphorus, will once again be monitored throughout the 2019 season.

If you would like to review the CLMP monitoring results from past years, please visit MiCorps Data Exchange at <https://micorps.net/> and select “Data Exchange.” You can also review the 2018 Fremont Lake Report by visiting the Fremont Lake Association webpage <https://fremontlake.net> and select “Reports.”

WEBSITE UPDATED **FremontLake.net**

We are committed to be as transparent as possible by communicating all FLA Committee actions & activities in the “News” & “Minutes” sections. We’re grateful to Erick Elgin of MSU for locating several historical & relevant reports of Fremont Lake that have been added to the “Reports” section.

MSU Project of 2016. Page 9 of the MSU Report contains a graphical display comparing the lakes history to events to improve the lake. Page 57 refers to Fremont Lake being on the 1971 EPA report being one of the “Problem Lakes” in the USA. It goes on by stating the water quality is improving as a result of the historical events, recent management practices & recommendations.

1975 EPA Survey Indicates that the lake has a history of algae blooms & had the highest phosphorus load of the 35 lakes tested in 1975. It should be noted that this study was just after the 1974 installation of the Fremont Waste Facility.

The statistical data of the DEQ Report of 9/6/17 article in the Newsletter, FLA Board actions & activities are included on the News Section along the copies of Board Minutes.

1982 DNR Fisheries Management Plan contains the history & fishery management. It outlines the Carp Eradication Program & restocking a variety of game fish including trout. The summary mentions Fremont Lakes significant economic value to the community & the fisheries potential.

Salting Our Lakes by Eric Elgin discusses the effect of residential & commercial growth & the use of salt has on the water that flows into lakes.

DEQ Report of 9/6/17 The summary page of the report includes – “Overall, vegetation levels are improving but care still needs to be taken when reviewing permit applications for the waterbody. The sandy substrate in large portions of the lake provides poor habitat for species to exist in areas that receive higher amounts of wave action, limiting the potential for growth in the littoral zone. Wild celery was the only species present at common densities (between 20 and 60 percent coverage” ▲

FREMONT LAKE ASSOCIATION ACCOMPLISHMENTS & ACTIVITIES

- 2007 FLA reestablished & By-Laws adapted
- 2008 - 2009 - Water Rescue & Safety Demonstrations Co- Sponsored with Gerber Hospital
- 2009 Purchase & Install Signage at City & Twp. Launch Sites
- 2009 GVSU/AWRI Survey of Water Quality & Lake Inlets - Funded FACF Grant & FLA Funds
- 2009 MSU / DEQ Survey of Deep-Water Sediment Core Samples
- 2010 Website established * * * fremontlake.net * * * By-Laws amended
- 2010 DNR stocking of Walleyes restarted (Usually about 40,000 Walleyes in the even years)
- 2010 Property Owner Weed Control contracts began with Professional Lake Management (PLM)
- 2011 Shoreline Restoration Planting with MRWA. Funded by FACF, MRWA & FLA Funds
- 2011 Swan Control Project implemented in cooperation with USDA
- 2011 PLM evaluation of Weed Problems – No charge
- 2012 PLM contract to recommend actions needed for weed control- Funded by TWP, City & FLA Funds
- 2013 Reestablish a Special Assessment District (SAD) to control Aquatic Nuisances
Funded by City, TWP, Property Owner Assessment & FLA funds (Similar to SAD in 1980's)
- 2014 2nd year of SAD Funded by City, TWP, & Property Owner Assessment
- 2015 3rd year of SAD Funded by TWP & Property Owner Assessment
- 2016 MSU Survey of Water Quality & Aquatic Plant Evaluation Funded by City & TWP
- 2016 4th year of SAD Funded by Property Owner Assessment
- 2017 5th year of SAD Funded by TWP & Property Owner Assessment
- 2017 Winter Water Quality Sample conducted by MSU, City of Fremont & FLA personnel
- 2018 6th year of SAD Funded by TWP & Property Owner Assessment
- 2018 Stream Monitoring Michigan Clean Water Corps – Funded by MRWA & FLA
- 2019 7th year of SAD Funded by TWP & Property Owner Assessment
- 2019 Implement DEQ “Clear Lakes Monitoring Program” CLMP – Conducted by Fremont City Staff

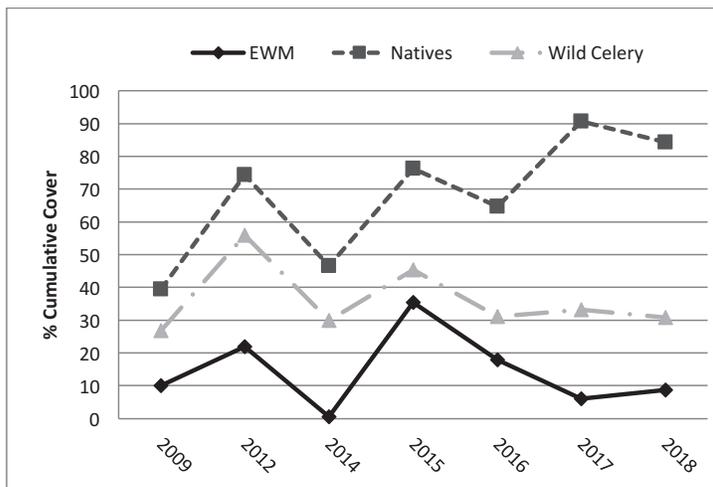


Fremont Lake Aquatic Plant Management Update

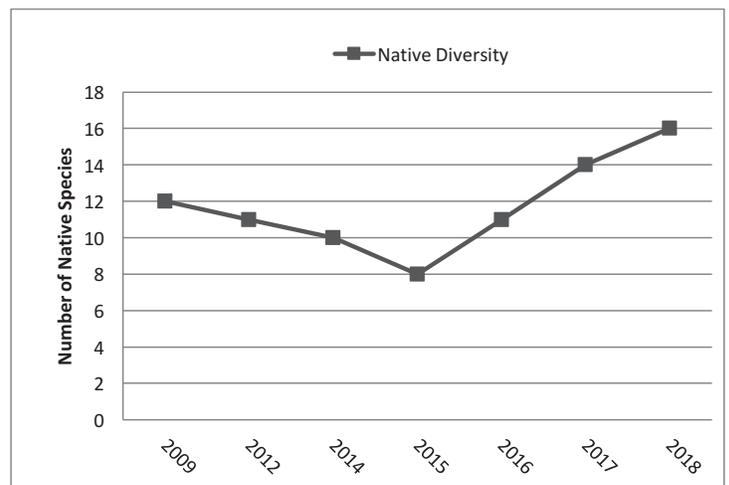
By: BreAnne Grabill, Northern Regional Manager, PLM Lake & Land Management Corp.

Fremont Lake had less exotic species found in 2018 than the previous few years, shining a bright light to the efforts and work done in controlling exotic and invasive plants in Fremont Lake. Are there still exotic plants present? Does the management program need to continue? Yes and Yes. In 2018, approximately 40 acres of Eurasian watermilfoil (EWM) and Curlyleaf pondweed (CLP) were treated in Fremont Lake. In 2017, that number was closer to 85 acres. In 2016, about 82 acres. Aquatic Plant Management (APM) is an annual requirement, however the scope of the program does adjust based on the growth conditions present. Continually targeting exotic plants will lead to an overall decline in growth and weather patterns can influence growth as well. With the later ice coverage in 2019, there is a good chance that EWM levels will be down again this year. It is vital to survey and track these plants annually to stay on top of the exotic, invasive species in the lake and ensure that proper management actions are taken. Additionally, we are always on the watch for new exotics that may enter the lake.

The below graphs show the plant coverage in Fremont Lake. The first graph looks at the presence of EWM compared to that of Wild Celery (a native plant) and the overall native plant population. Over the last few years, the presence of exotic plants has decreased while the native plant population has increased. The second graph shows the diversity of native plants in Fremont Lake. More native plant species have been found in recent surveys than a few years ago, which is typically found on lakes once the exotic plant populations are reduced, allowing healthy native plants to flourish. Native plant populations are encouraged in waterbodies to promote a healthy fishery, provide oxygen, food and forage and many other benefits, including sediment stabilization. Exotic plants destroy native plant populations that are needed to maintain a healthy lake and fishery as well as impacting recreational use of the lake.



Fremont Lake Plant Cumulative Coverage, end of summer surveys.



Fremont Lake Native Plant Species/Diversity end of summer survey

Please watch your shoreline for updated treatment information/ posting signs in your area of the lake. Please feel free to contact PLM @ 800-382-4434 ext. 2200

Please enjoy a safe summer on Fremont Lake. Best Regards,

Bre Grabill, Northern Regional Manager, PLM Lake & Land Management Corp. 



DNR & DEQ Preventing Aquatic Invasive Species (AIS) Campaign

The DNR & DEQ are conducting a collaborative outreach campaign to raise awareness about preventing the spread of Aquatic Invasive Species (AIS) through recreational boating and related activities. This educational & public relations program will focus on preventing the introduction and spread of AIS from the movement of watercraft and equipment between water bodies at both public and private boating access sites throughout the state. Its purpose is to communicate a 2019 Amendment to public Act 251. (Outlined in a separate article)

Lake Association volunteers, including the Fremont Lake Association, will be empowered to meet with boaters during the event period to deliver messaging to reduce the spread of AIS by boaters using our launch sites. DNR/DEQ media involvement of this state-wide program (press releases, local news stories, social media, etc.) will also be used to create public awareness for a larger impact.

This new regulation & public awareness program by the DNR & DEQ works in concert with our FLA Lake Management Practices to improve the water quality of Fremont Lake. We're now in the 7th year our efforts to control invasive weeds that have entered the lake over the years. This DNR program specially addresses reducing AIS that are entering the lake by boaters from other lakes.

Details & dates of this collaborative state-wide program were not available at press time & should be available at our Annual Meeting. The purpose of this article is to encourage FLA Members to volunteer to participate for a 1 day "Tour of Duty" in our Lake Stewardship Efforts.

We will be proposing that we utilize FLA Funds to install signage at the 2 launch sites to inform & remind boaters entering Fremont lake of our continuing efforts to improve the water quality of Fremont Lake for the entire community.

New law to reduce Aquatic Invasive Species (AIS)

March 20, 2019 - Author: Beth Clawson, Michigan State University Extension

New boating and fishing laws will help prevent the spread of aquatic invasive species and make boat inspection for volunteers easier at boat launch sites.

It's now the law to "after trailering boats, and before getting on the road, boaters must pull plugs, drain water and remove plants and debris from all watercraft, trailers and other conveyances," says Kevin Walters from Michigan Department of Environmental Quality (DEQ) in his announcement. The new law is an amendment to Act 451 of 1954 affects all watercraft, trailers, and other conveyances used to move watercraft.

Boaters are now required to not only remove all plants from their boats and trailers and other conveyances, they must also remove drain plugs and drain bilges, ballast tanks, and live wells. The DEQ also reminds anglers of the Michigan Department of Natural Resources Order 245. Essentially, it says that it is unlawful to release baitfish in any waters of the state, collecting fish as bait can only be done on an inland lake and used where it is caught. Baitfish can only be released back into the original location, i.e. the same stream or lake where they were caught. The best practices is to dispose of baitfish on the land or in the trash.

New invasive species are usually moved from lake to lake with the help of humans. By being diligent humans, we can help stop the spread of aquatic invasive species and protect one of Michigan's greatest resources – our waters.

After each outing

- > INSPECT and CLEAN your boats, trailers, and watersport gear
- > DRAIN live wells, bilges, and compartments - pull all drain plugs
- > DRY boats and gear to catch the unseen hitchhikers
- > DISPOSE of plants and bait properly with every use, and remember anything caught and released goes back where you caught it

We will be proposing that we utilize FLA Funds to install signage at the 2 launch sites to inform & remind boaters entering the lake of our continuing efforts to improve the water quality of Fremont Lake for the entire community. 🚤





Fremont Lake Association

PO Box 404

Fremont, MI 49412

www.FremontLake.net

Annual Meeting

Saturday, May 18, 9:00 AM

Sheridan Charter TWP Hall

Boat Parade & Fireworks –

Wednesday, July 3, 10:30 PM

Rain Date – Saturday, July 6 or Sunday, July 7

Board of Directors

Bruce Haveman – Chair

Ken Wolffis – Vice-Chair

Norm Knorr – Secretary/Editor

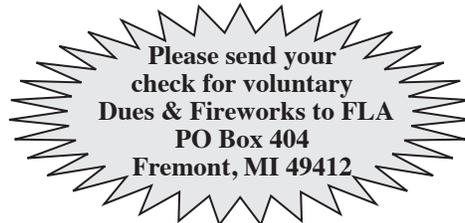
John Sella - Treasurer

David Landheer

Doug Nieboer

John Rycenga

Dirk Schippers



Financial Information for Aquatic Nuisance Control Assessment

The Special Assessment District (SAD) addresses our Mission Statement to manage the water quality more effectively was passed with a majority vote of Lake Property Owners. The provisions of the SAD are that the annual cost cannot exceed \$100,000 or \$300 per parcel. Parcels with lake access pay ½ & commercial property owners pay double. The City of Fremont & Sheridan Twp. subsidized the cost in 2013, 2014 & the 2016 MSU Study. As expected, the 1st year addressed the many years of neglect & was the costliest. It's important to note that the provisions of the SAD are that all funds from the Assessment are used exclusively for that purpose. 

	Cost	Fremont	TWP	Total	Parcel
2013	76,211	13,746	7,987	54,478	283
2014	47,300	9,459	5,675	32,166	156
2015	20,446	-	2,453	17,993	99
2016	47,153	260	-	46,893	241
MSU	25,878	12,939	12,939	-	-
2017	38,352	174	4,602	33,576	174
2018	14,524	66	1,743	12,715	66
Total	269,864	36,644	35,399	197,821	1,019
2013	100%	18%	10%	72%	
2014	100%	20%	12%	68%	
2015	100%	0%	12%	88%	
2016	100%	1%	0%	99%	
MSU	100%	50%	50%	0%	
2017	100%	0%	12%	88%	
2018	100%	0%	12%	88%	
Total	100%	14%	13%	73%	