

# NOTICE 2023

PLM Lake and Land Management Corp  
 PO Box 424, Evart, MI 49631  
 (800) 382-4434(o) (231) 372-5900(f)  
 www.plmcorp.net



## Portage Lake has been scheduled for the week of:

Date	Description	Date	Description
5/1/2023	Water Quality (WQ) (Storm Drains, Tributaries)	6/5/2023	Survey, Water Quality (Deep Holes, Shoreline)
6/12/2023	AVAS Survey, Optional Marina/Canal Treatment	7/24/2023	Survey, WQ
9/5/2023	Optional Weed Treatment	9/18/2023	AVAS Survey, WQ
Spring/Summer	Fish survey		

EGLE permitting restrictions, national holidays, and/or weather conditions may influence the timing of treatments throughout the 2023 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
Glyphosate	Aquaneat	1 Day(s)	N/A	N/A	N/A
Flumioxazin	Clipper, Propeller, Schooner, Flumigard	1 Day(s)	3 Day(s)	5 Day(s)	N/A
Imazapyr	Habitat	1 Day(s)	120 Day(s)	120 Day(s)	N/A
2,4-D ester	Navigate 2,4-D	1 Day(s)	INDEF or until approved assay indicates a concentration of 100ppb or less for ornamentals; No restriction for established turf	INDEF or until approved assay indicates a concentration of 70ppb or less	N/A
Triclopyr liquid	Navitrol , 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	Navitrol DPF , 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
Florpyrauxifen-Benzyl	ProcellaCOR	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
2,4-D amine	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
Diquat Dibromide	Tribune	1 Day(s)	3 Day(s)	5 Day(s)	1 Day(s)

**PLM Blue, Cygnet Select:** water dye (tracer), **Copper Sulfate, Cutrine Plus-Ultra, Captain-XTR, Earthtec, SeClear and SeClear G, F:** chelated copper, **Cygnet Plus, PolyAn:** Adjuvant, 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.

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

**PLM Lake & Land Management Corp. Certified Applicators:** Salvatore Adams, Preston Adgate, Jason Broekstra, William Conklin, Hannah Cornell, Jaimee Desjardins, William Ducham, Holden Elsner, Jeff Fischer, BreAnne Grabill, Dustin Grabill, Christian Halquist, Noah Hanson, Steve Hanson, Kyle Heath, Jake Hunt, Garrett Johnson, Blake Mallory, Michael Pichla, Elijah Quinn, Reese Ransom, Eric Reed, Colton Risner, Raquelle Robbins, Eric Roberts, Cory Robinett, James Scherer, Alison Schermerhorn, Sophia Scott, Casey Shoaff, Lucas Slagel, Keith terHorst, Jeff Tolan, Andy Tomaszewski, Dennis Vangessel, Andrew Weinberg

**Portage Lake Fish Survey** In 2023, an independent Fish Survey of Portage Lake will be taking place, likely in the June timeframe. All permits to perform such a survey will be acquired by the Fisheries Biologist performing the survey. Dr. Doug Workman with Advanced Ecological Management (AEM) will be collecting data over multiple days on Portage Lake. Using various techniques from netting to electroshocking, this study should help determine the overall health of the fishery present within Portage Lake. This survey will be similar to those historically performed by the Michigan DNR. Areas where nets are placed will be marked and it is best to try to avoid those areas if possible, during the survey. Best practices will be used to limit fish mortality and the Invasive Species Committee is working with local groups to donate any fish to local food banks.

**European frog bit (EFB)** European frog-bit, an exotic plant found in Portage Lake in 2022, is a free-floating aquatic plant native to Europe, Asia and Africa. European frog-bit was first found in SE Michigan in 1996 but has recently made its way to west Michigan over the last 5 years and is now popping up in Northern Michigan and in numerous areas along the Lake Michigan coastline. European frog-bit can form dense mats on the surface of slow-moving waters like bayous, backwaters and wetlands. Mats can impede boat traffic and alter food and habitat for fish. Prolific growth of European frog-bit can also reduce oxygen and light in the water column. The plant is spread by plant fragments or turions (seed pods) transported on boats, trailers and recreational gear. Once established, drifting mats of vegetation spread to connected waters. Control options include chemical, mechanical and physical removal.

Control took place in 2022 on Portage Lake for this highly invasive species and post management inspections proved the treatment was highly effective. In 2023, in conjunction with the North Country CISMA program, extensive surveying will be taking place, as well as numerous best management practices (BMP's) including hand pulling and physical removal of any EFB found. Additional chemical control will only be used as a last resort if needed after executing other approaches in order to allow for an integrated approach to be successful.

