

NOTICE 2023

PLM Lake and Land Management Corp
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IN 2023, SELECT AREAS OF HOUGHTON LAKE WILL BE TREATED PERIODICALLY THROUGHOUT THE SUMMER BEGINNING IN APPROXIMATELY EARLY JUNE FOR THE CONTROL OF WEEDS AND/OR ALGAE. Below is a list of herbicides that may be applied to the lake and associated use restrictions. On 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
Flumioxazin	Clipper, Propeller Schooner,	1 Day(s)	3 Day(s)	5 Day(s)	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
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)
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

PLM Blue,: water dye (tracer), SeClear G,: chelated copper, Cygnet Plus, PolyAn: Adjuvant, r, M.D. pellets: gram negative, naturally occurring bacteria. Phoslock: phosphorus locking technology.	No Restrictions on swimming, bathing, irrigation, domestic purposes or livestock watering.
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For a complete listing of all product labels, please see website.

N/A= Not Applicable

*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, back pack, 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, 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

Offshore versus Nearshore treatments

Many of the treatments that take place on the main part of Houghton Lake are offshore treatments. Meaning they are occurring hundreds, if not thousands of feet offshore. When treatments take place, ALL the restrictions listed above, are for the treatment areas and 100' outside of them, so often the restrictions do not apply to the shoreline areas. If a treatment is offshore, the sign is marked to state that an "OFFSHORE TREATMENT" is occurring and the nearest shoreline is posted, even if that is thousands of feet offshore. This is a permit requirement that the posting take place. Public access sites are also posted with this information and treatment maps.

When the channels are treated, that is NOT an offshore treatment. If the shoreline of the main lake is treated, that is NOT an offshore treatment. The signs for these treatments will NOT state OFFSHORE Treatment. Please see the reverse side for FAQ, or call our office for more information.

For an update on project activities, visit the lake board web site at:
www.houghtonlakeib.com

NO FISHING RESTRICTION!

There are NO fishing restrictions with any herbicide treatment in Michigan! Therefore, there is no column above in reference to fishing!

Aquatic Plant Management – Commonly Asked Questions!

Q. Will aquatic plant control eliminate all aquatic vegetation? **A.** NO! Nearly all available aquatic plants controls are SELECTIVE (i.e., they control some plants but not others). Intelligent aquatic plant management uses this selectivity to remove particularly problematic plants while leaving others unaffected. This approach minimizes interference with recreation while leaving desirable vegetation that provides BENEFITS to the lake (see below). Intelligent aquatic plant management removes the most problematic aquatic plants, which are typically exotic species, while preserving desirable native vegetation.

Q. Can't we get rid of ALL the weeds in our lake? **A.** NO. And even if you could, you shouldn't. Trying to keep a lake that has good growing conditions free of plant growth would be like trying to keep all plant life from growing in your front lawn — it just doesn't make sense! ...unless you pave it. (And if that's what you want, build a swimming pool.) Aquatic plants are an important component of the lake ecosystem. They provide many benefits, including stabilizing sediments, oxygenating the water, providing habitat for fish and invertebrates...

Q. Can we swim after a weed treatment? **A.** NO. There is a 24 hour swimming restriction within 100 feet of any treatment area of the lake. Actually, all of the herbicides that we use do not have a swimming restriction on the product label. However, EGLE does not want you in the water during treatment for your safety and ours. If you see a boat spraying, please exit the lake, we come in close to shore! Treatment notices will be posted on the day of treatment along the shoreline of all treated areas. Therefore, if your area does not have a notice (sign in yard) then you do not have a swimming restriction.

Q. Can we irrigate our lawn and flowers after a weed treatment? **A.** YES AND NO. Several of the herbicides that will be applied to the water do have turf and ornamental flower irrigation restrictions. The restrictions can range from 3 days to 14 days, usually. If you pull water from the lake to irrigate, please read posted sign carefully to determine your irrigation restriction for that treatment.

Q. Will my dog get sick if he drinks the treated water? **A.** NO. A dog would have to drink several thousand gallons of treated water to observe any noticeable effect. However, we do not want your dog in the water during or right after a treatment. Some of the herbicides we use become inactive if the sediment is stirred up in the water column. Therefore, keep the pets out of the lake for 24 hours, if possible.

Q. Are the fish still safe to eat? **A.** YES! There are no fishing restrictions with any of our herbicide treatments. The herbicides used do not accumulate in the fish. They are safe to eat... ENJOY!