

Lily Lake News

Newsletter Produced by PLM Lake & Land Management Corp. Spring 2021



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Lily Lake 2021 Notice

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 Environmental Quality (EGLE) procedures. Due to the uncertainty of weather, the treatment schedule is approximate. Please watch your shoreline for the posting of the 8.5 x 11 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. One or more treatments involving water restrictive products may be applied. Please be aware that only products approved by the State of Michigan and the Federal government are being used. We have experienced **no adverse effects on people, fish, wildlife or domestic pets since applying these products.** We anticipate using one or more of the products listed. Please read the restrictions. Again, the restrictions that apply to the products actually used in a particular treatment will be found on the signs posted on the day of treatment.

2021 Tentative Treatment Schedule

Treatments will be occurring throughout the summer months. Please watch your shoreline for posting signs with specific restrictions. Please also note that you will see PLM on your lake many times this summer. We will not always be treating the lake, but performing many surveys, water quality testing, etc. Thank you for your understanding as we work to preserve and protect Lily Lake. *The following weeks of have been tentatively set but may be adjusted as the season progresses due to many factors (permit restrictions, growth, weather, etc. Always watch for posting signs.)*

April 26: Water Quality
May 17: Survey, MD Treatment
June 7: Weed & Algae, MD Treatment
July 5: Survey, Weed & Algae, MD Treatment
August 2: Survey, Weed & Algae, MD Treatment
September 13: AVAS, Water Quality, MD Treatment

A Natural Shoreline: A Better decision for you, your lake and your wallet

Lake Stewards can help keep your lake healthy by using ecological principals to maintain a natural shoreline. Having a buffer at the shoreline helps prevent erosion, which saves you from a loss of shoreline property and increased sedimentation in the water. Erosion and sedimentation causes poor water quality. Seawalls and natural shorelines (also known as bioengineering or "lakescaping") are two types of buffering systems.

Seawalls are often perceived as a more stable system and therefore used more often, but in fact they are less stable, more damaging to the lake ecosystem, and typically cost much more money to install and maintain over the years. Seawalls do not allow for absorption of energy from waves hitting the wall, causing wave energy to force back into the lake, causing more erosion and loss of sediment at the base of the wall. Seawalls also lead to negative impacts on fish, turtles, amphibians, etc while a natural shoreline or "lakescape" absorbs some if not all the energy from waves and wind.

Lakescapes use native plants, biodegradable products and natural materials to provide a stable shoreline to protect from erosion with providing ecological features, a living buffer, that adapts over the seasons and years. A few of the benefits to using native plants, grasses and shrubs are: providing food and habitat; minimal maintenance; provides shade which lowers air and water temperatures; attracts birds leading to decreases in insects; root systems anchor soil in place; sustains biodiversity and helps keep out exotic species such as Phragmites and Purple Loosestrife; filters more water than turf grass; reducing geese on your property as geese like to see their predators and prefer manicured lawns and seawalls.

WATER USE RESTRICTIONS

Navigate /2,4-D: Swimming or bathing: 1 day. Household use, irrigation, lawns and turf: 0 Days. Growing crops and non-crops "gardens": Indefinite unless assay indicates 100 ppb or less. Potable water: Indefinite unless assay indicates less than 70 ppb. Fish consumption: No restrictions.

Sculpin G/2,4-d amine: Swimming or bathing: 1 day. Household use, irrigation, lawns and turf: 0 Days. Non-crops "gardens": 2-14 Days depending on treatment conditions. Growing crops: assay of less than 100ppb. Livestock watering: See product label. Fish consumption: No restrictions.

Renovate/Triclopyr: Swimming or bathing: 1 day. Irrigation of Established lawns and turf: 0 Days. Household use & Irrigation excluding grasses: 120 days or once assay determines product to be non-detectable. Fish consumption: No restrictions.

Diquat dibromide: Swimming or bathing: 1 day. Animal consumption of treated water: 1 day. Domestic water use and irrigation of turf & ornamentals: 3 days. Crop irrigation: 5 days.

Florpyrauzifen-Benzyl/ProcellaCOR: Swimming or bathing: 1 day. Household use, irrigation, lawns and turf: 0 Days. Non-crops "gardens": 2-14 Days depending on treatment conditions. Growing crops: until assay indicates 1ppb or less. Livestock watering: N/A.

Hydrothol 191/Dimethylalkylamine salt of Endothal
Aquathol K/Dipotassium salt of Endothal

Aquastrike salt of Endothal : Swimming or bathing: 1 day. Household uses, irrigation, livestock watering: 2 weeks.

Flumioxazin (Clipper/Schooner/Propeller): Swimming / bathing: 1 day. Domestic water use and irrigation of turf & ornamentals: 3 days. Crop irrigation: 5 days.

Nautique/copper carbonate, Komeen/copper as elemental: Swimming or bathing: 1 day.

PLM Blue, Cygnet Select: water dye (tracer), **Copper Sulfate:** copper sulfate, **Cutrine Plus-Ultra, Captain-XTR, SeClear and SeClear G:** chelated copper, **Cygnet Plus, PolyAn:** Adjuvant, **AquaSticker, M.D. pellets:** gram negative, naturally occurring bacteria. **PLM Enzyme:** enzymes, **NO RESTRICTIONS!!**

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

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.

****Certified Applicators:** Salvatore Adams, Jason Broekstra, Adam Cichon, Bill D'Amico, Jaimee Desjardins, William Ducham, Jeff Fischer, Christopher Garner, BreAnne Grabill, Dustin Grabill, Steve Hanson, Kyle Heath, Jake Hunt, Caleb Hutchinson, Jacob Irons, Shannon Leifker, Blake Mallory, Michael Pichla, Eric Reed, Colton Risner, Cameron Robinson, James Scherer, Alison Schermerhorn, Ben Schermerhorn, Casey Shoaff, Lucas Slagel, Keith terHorst, Jeff Tolan, Andy Tomaszewski, Dennis Vangessel, Andrew Weinberg