

Sanford Lake News

Newsletter Produced by PLM Lake & Land Management Corp. Spring 2016



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NOTICE

Sanford Lake 2016 Treatment Program

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 (DEQ) 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.

2016 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 Sanford 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. These weeks may be further adjusting as the program works together with the Sanford Lake Improvement board program to minimize restrictions on the entire lake and is being provided for a rough idea of the Lake management plan being put into place on the Lake and not as a finalized plan of action.*

May 16: Survey; May 23: Weed & Algae Treatment;
June 13: Survey; June 20: Weed & Algae Treatment;
July 11: Survey; July 18: Weed & Algae Treatment;
August 15: Survey, Weed & Algae Treatment;
September 19: AVAS Survey;

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.

Renovate MaxG/Triclopyr & 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: 120 days or until assay indicates 1ppb or less Triclopyr and 100ppb or less of 2,4-D. Livestock watering: See product label. 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.

Stingray: Swimming or bathing: 1 day. Animal consumption of treated water: 1 day. Domestic water use and irrigation of turf & ornamentals: 14days. Crop irrigation: 14 days.

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

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

Flumioxazin: 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.

Habitat, Aquapier/Imazapyr: Swimming or bathing: 1 day. Irrigation: 120 days unless assay indicated a level of 1ppb or less.

PLM Blue, Cygnet Select: water dye (tracer), **Copper Sulfate Alonglife:** copper sulfate, **Citrine Plus-Ultra, Captain-XTR, Algimycin, 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, **Nutrisorb,, M.D. pellets:** gram negative, naturally occurring bacteria. **PLM Enzyme:** enzymes, Phoslock: phosphorus locking technology. **NO RESTRICTIONS!!**

****Certified Applicators** Salvatore Adams, Jason Broekstra, Jim Chatel, Jaimee Conroy, Bill D'Amico, Jeff Fischer, Bre-Anne Grabill, Dustin Grabill, Benjamin Halbersma, Steve Hanson, Jake Hunt, Nate Karsten, Justin Krueger, Blake Malory, Michael Pichla, James Scherer, Ben Schermerhorn, Casey Shoaff, Lucas Slagel, Jeff Tolan, Andy Tomaszewski, Dennis Vangessel, Mathew Warddell

Michigan Invasive Species Coalition

The Michigan Invasive Species Coalition was designed to bring support to regional and local efforts to control invasive species in Michigan. By providing additional networking capabilities and bringing different groups together, they have been making resources available to individuals, groups, and associations across the state. This has allowed the ability to increase effectiveness of control, address challenges, educate and ultimately control exotics that may have been overlooked previously. Are you looking for a way to get involved with your local fight against invasive species? Or become more aware of what is hiding in your backyard? The coalition has divided the state into 8 regions with over 17 individual CISMA programs. A Cooperative Invasive Species Management Area or CISMA program is local to your area and allows direct resources to you. The CISMA programs have education and training seminars as well as many community awareness programs and volunteer opportunities to aide in the fight to protect Michigan from invasive species. Please go to; michiganinvasives.org to get involved!

Aquatic Plant Management Q&A

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, almost all of the herbicides that we use do not have a swimming restriction on the product label. However, the DEQ 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!

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!

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!

What Does the Color of the Treatment Sign Mean?

Green signs/notices indicate **NO RESTRICTIONS** on any type of water use.

Yellow notice means one or more restrictions will apply.

-Maximum 1 day swimming restriction within treatment areas. This restriction is in place to maximize treatment effectiveness; wildlife and pets will not be harmed by entering/drinking water.

-Fishing and/or consumption of fish is not restricted.

-Established grass/turf irrigation is not restricted with most herbicides. Read posted notice for further clarification.

-Flower and garden irrigation may be restricted depending on herbicide used. Read posted notice for further clarification.

Still have questions? Please call 800-382-4434.

Starry Stonewort— Exotic Plant WATCHLIST & INVADER OF SANFORD LAKE

Starry stonewort has been quickly spreading throughout Michigan and one of the primary focuses of management on Sanford Lake the last few years. Starry stonewort (*Nitellopsis obtusa*) looks like a rooted plant but it is actually an algae. The plant is native to Europe and Asia and was first discovered in the St. Lawrence River in 1978. In 1983, it was found in the Detroit River and has since infested many Michigan lakes. Starry stonewort resembles the native aquatic plant Chara. Unlike Chara, which is generally considered to be a beneficial plant, starry stonewort has a tendency to inhabit deeper portions of the lake and can form dense blankets several feet thick. These mats can severely impede navigation and limit growth of more beneficial plants. Starry stonewort anchors to the sediments through rhizoids (primitive root structures) which can also absorb nutrients. Like Chara, starry stonewort also absorbs nutrients from the water through its cell walls. Starry stonewort has tiny, star-shaped, tan colored reproductive structures called bulbils that are firm to the touch when compared to its soft branches. These reproductive bulbils have been shown to stay viable for several years in lake sediments. It is unclear what effects starry stonewort may have on a lake's fishery. However, the encroachment of starry stonewort into fish spawning beds may be a cause for concern. Both algaecides and mechanical harvesting appear to be somewhat effective in controlling starry stonewort. However, given its propensity to produce massive amounts of growth, efforts to keep this invasive algae at bay will be difficult and potentially expensive. We are constantly on the lookout for new infestations of SSW for quick action. Please keep your eyes on the look out!

