



9353 Hill Road • Swartz Creek, MI 48473
(810) 635-4400 • Fax (810) 635-4404

www.lakeproinc.com

Lake Management Update

LakePro provides lake management services to Island, Lower Long, and Forest Lake. LakePro is responsible for pre-harvesting vegetation surveys, harvesting inspections, algicide/herbicide applications, water quality testing, and additional recommendations to keep the lakes in the best shape.

LakePro provides all three lakes with three pre-harvest vegetation surveys and three harvest inspections. We locate, identify, and map vegetation throughout the lake during our surveys. To record biomass, depth, and composition, we utilize the BioBase software with data captured by two Lowrance HDS-7s equipped with a 3-in-1 Active Imaging transducer and a Humminbird Helix 5. Plant identification is done visually and translated to exact areas with the help of GPS devices. After each survey, we send the vegetation map to the harvesters with directions on where to cut. During our harvest inspections, we compare these maps to the results at the time before they remove their machines. Upon completion of the inspection, we may recommend "touch-up" harvesting in certain areas or determine the harvester's work to be satisfactory, and the invoice should be paid.

LakePro utilizes a YSI ProDSS multimeter probe for field tests and a Hach DR1900 for Lab Testing. All three lakes are currently in good standing with the water quality standards set by EGLE, EPA, and LakePro. Testing on each lake includes the following parameters: Temperature, Dissolved Oxygen, Total Phosphorus, Ortho-phosphate, Nitrate, Chlorophyll-*a*, Transparency, pH, Total Dissolved Solids, Conductivity, and Alkalinity. Each water body also receives one depth profile. Depth profiles measure Temperature, Dissolved Oxygen, and Salinity at increments of three feet throughout the water column. Depth profiles are important to determine a lake's thermocline and trophic state. The following is a summary of the lake management efforts on each lake.

Island Lake

Mechanical Plant Harvesting

The Island Lake Board contracts Oakland Harvesters to harvest the aquatic plants three times during the summer.

Herbicide Treatments

LakePro also provides herbicide treatments on the lake as needed for the invasive Eurasian Milfoil and Phragmites. Typically, treatments are completed with the use of contact herbicides. LakePro plans to conduct the milfoil treatment the week of June 20th to gain control before July 4th. Phragmites control usually occurs in August or early September. Once phragmites are controlled, dead plant material may linger on your property. The removal of this material is not included as part of LakePro's contract. Should you want the dead plant material removed, please contact LakePro, and we will assist you. A yellow notification sign will be posted where necessary for any treatment. It may include a 24-hour swimming restriction, a 5-day restriction on turf and ornamental irrigation, and a 7-day restriction on food crop irrigation with water from the lake.

Water Quality Testing

LakePro also tests the lake water twice a year, once in late April/early May and in late August/early September. Tests are conducted at two locations and include several parameters to check the lake's health. LakePro also performs E. coli testing at two locations before each holiday (Memorial, 4th, Labor Day.) The water quality and E. coli results determine that Island Lake is currently healthy and has no immediate issues.

Experience the LakePro Difference
Complete Water Management





9353 Hill Road • Swartz Creek, MI 48473
(810) 635-4400 • Fax (810) 635-4404

www.lakeproinc.com

Lower Long Lake

Mechanical Plant Harvesting

The Lower Long Lake Board contracts Oakland Harvesters to harvest the aquatic plants three times during the summer.

Water Quality Testing

LakePro also tests the lake water twice a year, once in late April/early May and in late August/early September. Tests are conducted at four locations and include several parameters to check the lake's health. LakePro also performs E. coli testing at four locations before each holiday (Memorial, 4th, Labor Day.) The water quality and E. coli results determine that Lower Long Lake is currently healthy and has no immediate issues. LakePro also tests the water for heavy metals biannually. The previous six heavy metal tests returned zero or near zero results, meaning heavy metals are not currently a worry in Lower Long Lake.

Forest Lake

Mechanical Plant Harvesting

The Forest Lake Board contracted Mike's Clearwater Harvesting to harvest the aquatic plants three times during the summer.

Herbicide Treatments

The Forest Lake Board contracted Aqua-Weed Control to provide herbicide treatments on the canals as needed for nuisance plant and algae control. Treatments take place periodically throughout the summer as needed. Before the treatment, Aqua-Weed Control will post yellow notification signs that include any applicable water use restrictions, so please read the sign before swimming or watering with the lake water.

Water Quality Testing

LakePro also tests the lake water twice a year, once in late April/early May and in late August/early September. Tests are conducted at two locations and include several parameters to check the lake's health. The water quality results determine that Lower Long Lake is currently healthy and has no immediate issues.

Tyson Wood
Lake Manager, Water Quality Specialist, Marketing Manager

