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*Lower Long Lake, Oakland County
May 27, 2021*

Site Visit Report

On April 30th, 2021, LakePro completed the Spring Water Quality Analysis on Lower Long Lake. During this visit, we performed field tests and collected water samples for analysis in the lab.

Notes

We had a 16' aluminum boat on site and launched from Forest Lake Country Club at 11:40 AM. We were on the lake from 11:50 AM until 12:50 PM. It was 50°F and sunny with high winds during testing.

The parameters tested were: Temperature, Dissolved Oxygen, Transparency, Total Phosphorus, Phosphate, Nitrate-nitrogen, chlorophyll *a*, pH, Total Dissolved Solids, Conductivity, Alkalinity, Sulfate, Fluoride, and Chloride.

With the exception of Total Phosphorus, all parameters were within the target range.

Total Phosphorus was slightly high but not to a level of concern.

Historical Comparison

Over the last two years, water quality results have been good for Lower Long Lake. One area we continue to monitor closely is the total phosphorus. Although it has been within the target, it has been on the high end of the range. High phosphorus levels can lead to eutrophication and harmful algal blooms. The best way to reduce phosphorus levels is to prevent them from entering the lake. To do this, residents should use their land responsibly and use caution when applying fertilizers.

Thank you for choosing LakePro,

Tyson Wood
Lake Manager

