



# Milton Reservoir Water Quality Report



March 14, 2023

## Water Summary

Milton Reservoir is sampled twice a month between March and October and monthly between November and February. The Barr Lake and Milton Reservoir Watershed Association coordinates all the efforts to monitor, test, and improve the water quality in Milton. Regular lake sampling started in 2002.

*March* – Milton Reservoir had more open water than Barr Lake. The inflows at Milton might be causing more water movement. The open water at the dam allowed for a more isothermal water profile. This full water column mixing allowed for higher oxygen levels from surface to the bottom. The other parameters, pH, DO, turbidity, and conductivity, were basically all the same top to bottom because of the isothermal water column. Phosphorus concentrations are around 0.38 mg/L now that the reservoir is full. We will see how the TP concentration changes during the spring as the algae use the nutrients to grow. Water was being pumped from the outlet by an oil/gas company during sampling.



## Watershed News

*Rain barrels are a great way to help reduce storm water runoff, decrease phosphorus loads to Barr and Milton, and help conserve water. There are several rain barrel workshops planned this year to help you build and install a rain collection system. You can have two 55-gallon barrels per household.*

## Join BMW Association

BARR LAKE AND MILTON RESERVOIR ASSOCIATION

The BMW Association's mission is to improve the water quality by encouraging cooperation, involvement, and awareness with people living near and upstream of Barr Lake and Milton Reservoir.

You can learn more about the lakes and what is going on in the watershed by going to [www.barr-milton.org](http://www.barr-milton.org).

Contact Sami Miller, watershed coordinator, at [miller.sami@outlook.com](mailto:miller.sami@outlook.com).

*Cooperation, Involvement, and Awareness*



## Water Quality Stats (as of 03-14-23)

Maximum Depth: 27.6 feet (dam outlet)      Water Temperature: 39.8° F (taken 3 feet below surface)

Water Clarity: 2.1 feet (≥ 3 feet is good)      Dissolved Oxygen: 144.1% (>80% is good)

pH: 8.59 (between 6 and 9 is good)      Chlorophyll-a: <30.0 ppb (How green, ≤ 25 is good)

