



# Barr Lake Water Quality Report



March 14, 2023

## Water Summary

Barr Lake 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 Barr Lake. This monitoring effort started in 2002.

*March* – Barr Lake had 5 inches of solid ice at the dam. Ice cover started in mid-December, and it has been roughly 96 days of ice. There is a growing section of open water near the inlet and the boat ramp area. Oxygen levels are doing well but there is a void of oxygen at the very deepest location near the dam. Algal growth is back but is concentrated in the top six feet of water only. Zooplankton population looked high and will help with the spring clearing of the water in April and May. The top and bottom water were very similar in water temperature, close to 41° F. As soon as the ice cover comes off, the entire water column will fully mixing, warming up the entire water column.



## 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.

You can learn more about the lake 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: 25.3 feet      Water Temperature: 40.8° F  
(between dam outlets)              (taken 3 feet below surface)

Water Clarity: 2.6 feet              Dissolved Oxygen: 225.3%  
(≥ 3 feet is good)                      (>80% is good)

pH: 9.02                                  Chlorophyll-a: <50.0 ppb  
(between 6 and 9 is good)              (How green, ≤ 25 is good)

**Barr Lake Temperature Profiles (2023)**

