



# Barr Lake Water Quality Report



September 27, 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.

*September* – Final sampling event for the 2023 lake growing season. Barr Lake ended on a very productive note. With the daytime high of 90 F, Barr Lake's water temperature is 6 degrees F above normal for this time of year. A week of warm, calm weather is helping support algal growth. Dissolved oxygen is well above 100% and the clarity was only 12 or so inches. There were no signs of surface scum out in the open waters. Barr Lake has installed continuous monitoring equipment near the dam and the buoy line. Data are being collected every 30 minutes for pH, DO, temperature, and Chl-a. This will help show how fast the water quality changes over time. The data already show difference in DO, temperature, and pH between night and day.



## Watershed News

On September 12<sup>th</sup>, BMW hired experts to install and maintain continuous monitoring equipment both at the dam location and the center of the lake. Data is being collected every 30 minutes and sent to the internet. It will help show how changes occur over 24 hours. The sensor will be used in 2024 and in 2025.

## 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 09-27-23)

Maximum Depth: 24.3 feet (between dam outlets)      Water Temperature: 68.5° F (taken 3 feet below surface)

Water Clarity: 1.2 feet (≥ 3 feet is good)      Dissolved Oxygen: 269.7% (>80% is good)

pH: 8.96 (between 6 and 9 is good)      Chlorophyll-a: <100 ppb (How green, ≤ 25 is good)

Average Water Temperature by Month, Barr Lake (0.5-2.0 meters)

