



Barr Lake Water Quality Report



October 10, 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.

October – Water temperature is dropping but still above normal compared to the average. Barr Lake is stratifying during the day when the sun is out and then mixes at night causing the bottom water temperatures to keep decreasing. Warmer water will continue to float on cooler water until we reach 4° C or 39° F. Then water colder than 39° F will float on warmer water. Water density is greatest at 39° F. Algae are active year-round and even under ice. Blue-green algae season seems to be over due to the cooler water temperatures. There were no signs of blue-green algae forming in the open water or near shore. Water clarity did improve slightly since the end of September. Graph below is from the continuous monitoring equipment near the dam site.



Watershed News

On September 12th, 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.

Contact Sami Miller, watershed coordinator, at miller.sami@outlook.com.

Cooperation, Involvement, and Awareness



Water Quality Stats (as of 10-10-23)

Maximum Depth: 24.6 feet (between dam outlets) Water Temperature: 60.8° F (taken 3 feet below surface)

Water Clarity: 2.2 feet (≥ 3 feet is good) Dissolved Oxygen: 151.8% (>80% is good)

pH: 8.61 (between 6 and 9 is good) Chlorophyll-a: <30 ppb (How green, ≤ 25 is good)

Temperature (F)
Oct 5, 2023 2:24 AM – Oct 12, 2023 2:24 AM

