



# Milton Reservoir Water Quality Report



December 10, 2024

## 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.

*November* – Milton only came up about 18 inches in the past four weeks. The water is close to freezing and is slightly colder than Barr Lake. Oxygen and pH are doing well with signs of some algal growth. Overall, Milton had a great water quality year for 2024. Nutrients are the lowest ever, and the Chl-a median for the growing season was much less than the past couple of years. As seen from the aerial image below, most of the dredged material is being stored along the west side of the reservoir within the high-water mark. We will see how the nutrients change with the refill season this winter. Total phosphorus average for June to September was 98 ug/L. This was great to see and is close to the TMDL goal that was established back in the mid 2000's.



## Watershed News

December marks the end of the 2024 monitoring for both Barr Lake and Milton Reservoir. 2025 monitoring will start in January and will be the 24<sup>th</sup> year of in-reservoir monitoring. Inputs to the Burlington Ditch along with river sampling and storm water sampling will continue in 2025. A long-term dataset is vital for both reservoirs.

## 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 12-10-24)

Maximum Depth: 14.4 feet (dam outlet)      Water Temperature: 35.3<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 2.1 feet (≥ 3 feet is good)      Dissolved Oxygen: 128.1% (>80% is good)

pH: 8.92 (between 6 and 9 is good)      Chlorophyll-a: <30 ppb (How green, ≤ 25 is good)

