



# Milton Reservoir Water Quality Report



June 24, 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.

June – Milton Reservoir is doing well despite the above-normal air and water temperatures. Clarity is less due to the expected increase in summer-time algal growth. Phosphorus levels are below both the TMDL goal (100 ug/L) and the updated standard (0.047 ug/L). This is a far cry from the 2003-2007 average of around 600 ug/L. Like Barr Lake, Milton has been phosphorus limited since the fall of 2023. The ratio of total nitrogen to total phosphorus has been steadily greater than 15 and as high as 40 in early May. These ratios will help control the intensity and duration of blue-green algal blooms for this summer. Water temperatures are still well above average thanks to the hotter June air temperatures. June is on track to have 15 days above 90 degrees F.



## Watershed News

*Avoid the algae. Just a remind that we are now in the heat of the summer algae growing season. If you see a scum in the water, do your best to avoid it. If you do come into contact, rinse off and clean your equipment. Keep pets and animals from drinking the water when there is a scum. Not all algae are toxic.*

### 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 06-24-24)

Maximum Depth: 26.2 feet (dam outlet)      Water Temperature: 74.1° F (taken 3 feet below surface)

Water Clarity: 2.3 feet (≥ 3 feet is good)      Dissolved Oxygen: 108.3% (>80% is good)

pH: 8.26 (between 6 and 9 is good)      Chlorophyll-a: <10.0 ppb (How green, ≤ 25 is good)

