



# Milton Reservoir Water Quality Report



October 25, 2023

## 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.

*October* – Similar to Barr Lake, Milton’s water temperatures quickly dropped at the end of October due to colder weather. Milton is still about 5 degrees F above average though for the end of October. The phosphorus levels in Milton remained well below historical averages for all of 2023. Total phosphorus continues to decline in the watershed due to wastewater treatment upgrades. The most recent upgrade was from South Platte Renew. We will see how much the TP increases this winter during the refill period. SRP or soluble reactive phosphorus is the part of the total phosphorus that is readily available for algae to grow. TP was about 90%+ SRP, but now we are starting to measure close to detection limit and well below 0.10 mg/L.



## Watershed News

On September 12<sup>th</sup>, BMW hired experts to install and maintain continuous monitoring equipment in Barr Lake. Data is being collected every 30 minutes and sent to the internet. It will help show how changes occur over 24 hours. The sensors will come out by November 24<sup>th</sup>, 2023.

## 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 10-25-23)

Maximum Depth: 21.0 feet (dam outlet)      Water Temperature: 56.6° F (taken 3 feet below surface)

Water Clarity: 1.1 feet (≥ 3 feet is good)      Dissolved Oxygen: 122.8% (>80% is good)

pH: 8.16 (between 6 and 9 is good)      Chlorophyll-a: <50.0 ppb (How green, ≤ 25 is good)

