



# Barr Lake Water Quality Report



May 13, 2020

## 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 of the efforts to monitor, test, and improve the water quality in Barr Lake. Regular lake sampling started in 2002 and will continue into the future. It is important to closely monitor water quality to observe any major changes that would impact wildlife, park users, or downstream water users.

May – Water clarity is slowly getting better along with lower pH and lower DO. The lake level has dropped some with the anticipation of snowmelt runoff coming to Barr Lake in June. A probe has been placed in Barr Lake since 4/15. The probe is collecting data every 30 minutes. The graph below is a 4 week tracking of dissolved oxygen at about the 9-foot depth. You can see there are daytime highs and nighttime lows with a steady decline in DO since the beginning of May. This kind of continuous data can help shed light on what is happening at night and also how the lake is behaving as the season changes. Warmer water holds less oxygen.

## Water Quality Stats (as of 05-13-20)

Maximum Depth: 30.5 feet (between dam outlets)      Water Temperature: 58.1<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 3.4 feet (≥ 3 feet is good)      Dissolved Oxygen: 82.3% (>80% is good)

pH: 8.40 (between 6 and 9 is good)      Chlorophyll-a: >40 ppb (How green, ≤ 25 is good)

Continuous Dissolved Oxygen, Barr Lake



Do your part. Keep fertilizers off the road, drive-way, and sidewalk. Use phosphorus-free lawn fertilizers if you can. Composting is lake friendly.



## Watershed News

BMW is planning out 2020 activities. Stay tuned for our upcoming events this year. We are still planning some great events like the watershed tour, bike tour, and shoreline clean up. Go to [www.barr-milton.org](http://www.barr-milton.org) to get the latest updates on all of our events and information. If plans change due to the current pandemic, we will post them on our website.

## 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 Amy Conklin, watershed coordinator, at [amy.conklin@comcast.net](mailto:amy.conklin@comcast.net) or 303-795-5925.

*Cooperation, Involvement, and Awareness*

