



# Barr Lake Water Quality Report



March 12, 2019

## 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.

*March* – Barr Lake still has ice coverage, about 50% of the surface area. Ice at the dam was very fragile and about 2 inches thick. The algal growth is slightly less than February when comparing the lower oxygen and pH levels. Oxygen at the bottom of the lake (10 meters) is beginning to drop. Bottom dissolved oxygen level was 4.25 mg/L. Once the ice is completely off, the lake will turn over completely until air temperatures begin to warm up regularly. Barr typically stratifies with warmer water on top around late April/early May. Some water is bypassing Barr and heading to Horse Creek Reservoir.

*Just like fertilizers, it is best to keep salt out of our lakes and streams. If you do use salt, please use it sparingly and even consider sweeping it up after the snow melts.*



## Watershed News

*Spring weather is upon us. Make sure you do your best to remove old leaves and debris from the curb. Spring runoff can send lots of nutrients through the storm sewers eventually ending up in Barr Lake.*

### 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*



## Water Quality Stats (as of 03-12-19)

Maximum Depth: 33.1 feet (between dam outlets)      Water Temperature: 38.7<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 2.6 feet (≥ 3 feet is good)      Dissolved Oxygen: 146.3% (>80% is good)

pH: 8.93 (between 6 and 9 is good)      Chlorophyll-a: <100 ppb (How green, ≤ 25 is good)

Barr Lake Temperature Profiles (2019)

