



# Barr Lake Water Quality Report



April 9, 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.

*April* – Barr Lake is warming up. The lake water temperature jumped by almost 10 degrees in the past two weeks. The lake is mixing during the spring storms and then thermally stratifies when during calm, warm days. The lake elevation is keeping steady at the full-pool mark with most of the ditch water bi-passing Barr Lake and going to Horse Creek Reservoir, owned by Henrylyn Irrigation District. The continuous growth of spring-time diatoms is keeping the pH and dissolved oxygen elevated and the water clarity less than three feet. Barr was seeing more growth again this week. The boat ramp is officially open for the season.

*Runoff from snow and thunder storms this spring creates lots of flow from our streets, parking lots, and driveways. Do your part by keeping the drains clear of trash and debris*



## Watershed News

*The new auto-sampler monitoring station is active and has captured samples during the March and April storms. The station is also collecting weekly 24-hour composite samples to better understand what is coming down the ditch towards 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 04-09-19)

Maximum Depth: 33.1 feet (between dam outlets)      Water Temperature: 52.1<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 2.5 feet (≥ 3 feet is good)      Dissolved Oxygen: 180.0% (>80% is good)

pH: 9.14 (between 6 and 9 is good)      Chlorophyll-a: <100 ppb (How green, ≤ 25 is good)

Barr Lake Total Phosphorus in January

