



# Barr Lake Water Quality Report



February 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.

*February* – Barr Lake is at full pool this month. There was still three inches of ice by the dam, but the ice was weak. Despite cold waters, shorter days, and a cover of ice for over a month, the algae community is growing well. There seems to be not that many large-bodied zooplankton available to keep the algae in check. Hopefully the zooplankton will begin to grow in order to keep the algae populations down. With high algae throughout the winter months, the oxygen demand from the sediments where the organic material will be decomposed could be high. The snowpack for the S. Platte basin is 128% as of March 11<sup>th</sup>.

## Water Quality Stats (as of 02-12-19)

Maximum Depth: 33.1 feet (between dam outlets)      Water Temperature: 36.4<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 2.1 feet (≥ 3 feet is good)      Dissolved Oxygen: 164.5% (>80% is good)

pH: 9.36 (between 6 and 9 is good)      Chlorophyll-a: 127 ppb (How green, ≤ 25 is good)

*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*



Barr Lake 85th Percentile pH

