



# Barr Lake Water Quality Report



March 28, 2018

## 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* – The reservoir warmed up by about 8 degrees since early March. Days are getting longer and the weather is warming up. Algae growth is still high but not as high as in early March. pH is now below 9.0 and the percent oxygen concentration is closer to 100%. The soluble form of phosphorus (SRP or Soluble Reactive Phosphorus) is at 200 parts per billion, similar to last year and still much lower than the 10-year average of about 500 parts per billion for this time of year. SRP is the portion of the total phosphorus that is most readily useable by the algae.

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

Two great events are being planned for this coming June. June 5<sup>th</sup> and 6<sup>th</sup> there is the annual free bike tour that will follow Sand Creek from Bluff Lake to the S. Platte River. Then June 26<sup>th</sup> is the annual watershed tour. This year's tour will highlight the big changes going on around the Western Complex and the S. Platte River.

## 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 03-28-18)

Maximum Depth: 33.5 feet (between dam outlets)      Water Temperature: 48.8° F (taken 3 feet below surface)

Water Clarity: 3.3 feet (≥ 3 feet is good)      Dissolved Oxygen: 117% (>80% is good)

pH: 8.91 (between 6 and 9 is good)      Chlorophyll-a: <50 ppb (How green, ≤ 25 is good)

Average SRP by Month, Barr Lake

