



Barr Lake Water Quality Report



May 22, 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.

May –Barr Lake continues to surprise. With a rapid shift over the last three weeks, Barr Lake is back to minimal algal growth. Again, the zooplankton are doing an efficient job keeping the algae down. Clarity has increased by 14 feet from two weeks ago, pH is back below 9.0, and the dissolved oxygen is well under 100%. Clearly, the reservoir is experiencing alternating cycles of algae and zooplankton growth. The creation of so much algal biomass tends to lower the oxygen below the standard of 5.0 parts per million because of decomposition by bacteria on the lake bottom and respiration by the zooplankton in the water column.

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 5th and 6th there is the annual free bike tour that will follow Sand Creek from Bluff Lake to the S. Platte River. Then June 26th 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.

Contact Amy Conklin, watershed coordinator, at amy.conklin@comcast.net or 303-795-5925.

Cooperation, Involvement, and Awareness

Water Quality Stats (as of 05-22-18)

Maximum Depth: 32.5 feet (between dam outlets) Water Temperature: 61.9^o F (taken 3 feet below surface)

Water Clarity: 17.4 feet (≥ 3 feet is good) Dissolved Oxygen: 53% (>80% is good)

pH: 7.90 (between 6 and 9 is good) Chlorophyll-a: <2 ppb (How green, ≤ 25 is good)

