



Milton Reservoir Water Quality Report



February 12, 2019

Water Summary

Milton Reservoir 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 Milton. 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 – Milton Reservoir reached full pool in February. Similar to Barr Lake, algae are growing well under the ice despite the colder water temperatures. Large zooplankton, like the daphnia, are key to keeping the algae under control. Every year is different and for 2019 the total phosphorus concentrations are much higher than in early 2018. The total phosphorus concentration for February was 0.52 mg/L or parts per million. This was the same concentration as in Barr Lake. This is still below the 17-year average for February. Aerators were still in use near the dam outlet creating some open water. The sampling location was move to the west to avoid the thin ice.

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 Milton Reservoir.

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 Lake and Milton Reservoir.

You can learn more about the lakes 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 02-12-19)

Maximum Depth: 26.2 feet (dam outlet) Water Temperature: 36.9^o F (taken 3 feet below surface)

Water Clarity: 2.8 feet (≥ 3 feet is good) Dissolved Oxygen: 148.6% (>80% is good)

pH: 9.23 (between 6 and 9 is good) Chlorophyll-a: 73.3 ppb (How green, ≤ 25 is good)

