



# Milton Reservoir Water Quality Report



January 9, 2018

## 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.

January – Similar to Barr Lake, Milton Reservoir is full, has a thick layer of ice, and has great water clarity. Water clarity in Milton has been over 10 feet for the past 70+ days. October 25<sup>th</sup>, 2017 is when the reservoir first cleared up. Average January water clarity depth for Milton is 9 feet. In January of 2015, water clarity under the ice was 23 feet. The cycle of diatom blooms in the spring and blue-green blooms during the summer determine water clarity. Zooplankton, especially the large body daphnia, are the natural grazers, and Milton has a high concentration of them throughout the water column.

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

To avoid dumping holiday trash around the watershed, make sure you take advantage of local Christmas tree recycling programs or use your tree for composting, mulch, or firewood. Please do not dump your tree along the roadside. Most trash eventually finds its way into Barr Lake and other water ways in the watershed.

## 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](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 01-09-18)

Maximum Depth: 27.2 feet (dam outlet)      Water Temperature: 40.1° F (taken 3 feet below surface)

Water Clarity: 16.7 feet (≥ 3 feet is good)      Dissolved Oxygen: 82.3% (>80% is good)

pH: 8.36 (between 6 and 9 is good)      Chlorophyll-a: <2 ppb (How green, ≤ 25 is good)

