



# Milton Reservoir Water Quality Report



January 10, 2017

## Water Summary

Milton Reservoir (aka Pelican 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 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* – Milton has quickly filled in the last month and is close to being full. Ice is about ten inches thick with about three inches of water on top from the recent warm weather. The lake is completely covered in ice, including the Platte Valley Canal. When the whole was cute to collect water samples, melted snow water flowed into the lake creating cooler than normal surface temperatures in the top three feet (see profile graph). Water clarity is improving and pH remains well below 9.0. There is plenty of oxygen all the way down to 23 feet.

*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 01-10-17)

Maximum Depth: 27.9 feet (dam outlet)      Water Temperature: 33.1<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 4.6 feet (≥ 3 feet is good)      Dissolved Oxygen: 125% (>80% is good)

pH: 8.42 (between 6 and 9 is good)      Chlorophyll-a: >20 ppb (How green, ≤ 25 is good)

Milton Reservoir Temperature Profiles (2017)

