



# Milton Reservoir Water Quality Report



May 8, 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.

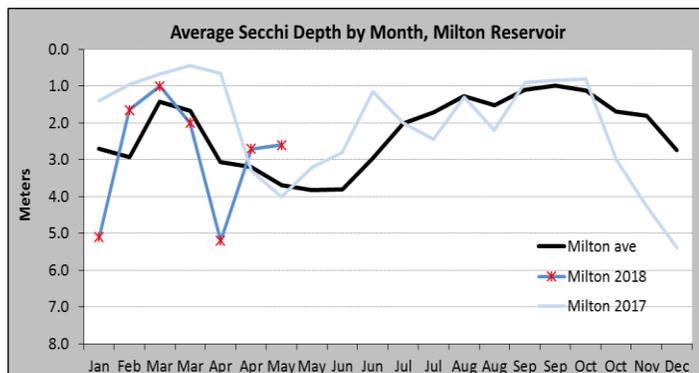
May – Unlike Barr Lake, Milton is exhibiting both good water clarity and little algal growth. Milton is experiencing a slight increase in algae, clarity has diminished somewhat, and the pH and DO are both up from April. The attached, filamentous algae that grow in shallow water are almost reaching the surface in response to good water clarity since late March. There are two forms of algae that will grow – planktonic, which is the microscopic algae that grows in the water column, and benthic algae, that are attached to the bottom of the lake near shore. When one type of algae dominates, the other type does not grow so well. It is a balancing act driven by nutrients.

## Water Quality Stats (as of 05-08-18)

Maximum Depth: 26.2 feet (dam outlet)      Water Temperature: 63.1° F (taken 3 feet below surface)

Water Clarity: 8.5 feet (≥ 3 feet is good)      Dissolved Oxygen: 130% (>80% is good)

pH: 8.51 (between 6 and 9 is good)      Chlorophyll-a: <10 ppb (How green, ≤ 25 is good)



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 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*

