



Milton Reservoir Water Quality Report



June 13, 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.

June – Milton Reservoir warmed up in early June. The reservoir surface water increased by just over 16 degrees. Water temperature plays a big role in the overall water quality and how the reservoir behaves. Milton is now stratified, meaning there are two main layers. There is an upper warmer layer of water that is lighter and floats on top of the cooler bottom water. As long as the reservoir is deeper than about 18 feet, the reservoir will remain thermally stratified. Once the reservoir starts to drop, then wind can fully mix the water column. A stratified lake is good because it keeps nutrients from mixing from the bottom and limits the volume of water that algae can grow in.

That time of year when people fertilize their yards. In some states, it is the law to sweep any fertilizer that gets on your sidewalk or driveway. Do your best to keep fertilizer from getting to Milton.



Watershed News

July is National Lake Appreciation Month. It is a great time to give back to Milton Reservoir. Spend a few minutes cleaning up the shoreline or making sure there are no impacts to water quality caused by erosion near the shoreline. The water summer season is here, be algae aware and avoid contact with algae scums.

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 06-13-17)

Maximum Depth: 26.2 feet (dam outlet) Water Temperature: 72.1° F (taken 3 feet below surface)

Water Clarity: 9.2 feet (≥ 3 feet is good) Dissolved Oxygen: 97.1% (>80% is good)

pH: 8.66 (between 6 and 9 is good) Chlorophyll-a: <2 ppb (How green, ≤ 25 is good)

