



# Barr Lake Water Quality Report



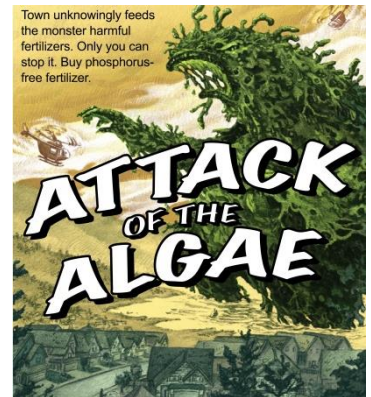
November 8, 2016

## Water Summary

Barr 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 Barr Lake. 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.

*November* – It is winter but the weather and water temperature do not show it. Instead of around 42 F, the lake is a good 10 degrees warmer. The lake water is warmer, but the algae are not blooming. Mostly diatoms are growing. The lake is slowly filling now. This week, a company went out on the water to map out gas/oil deposits below the lake. They used compressed air to send sonic pulses to the lake bottom. The lake had a grid of special buoys to help map oil/gas deposits some 9,000 feet below the lake bed. Oxygen and pH are within the water quality standards and water clarity is slowly getting deeper.

*Fertilizers, pet waste, dirt on the road, and leaky cars can send nutrients and other chemicals to the lake. Do your best to keep them out of the water and keep the algae monster under control.*



## Watershed News

*Drought conditions have persisted for the past four months. Most of the snowpack monitoring stations in the S. Platte basin are 0 to 29% of snowpack. October 2016 was the 4<sup>th</sup> warmest on record, and it was the third October in a row with no snow (first time ever for this to happen).*

## 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.

You can learn more about the lake 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 11-08-16)

Maximum Depth: 23.0 ft (between dam outlets)      Water Temperature: 52.2<sup>o</sup> F (taken 3 feet below surface)

Water Clarity: 1.8 feet (≥ 3 feet is good)      Dissolved Oxygen: 108 % (>80% is good)

pH: 8.96 (between 6 and 9 is good)      Chlorophyll-a: >25 ppb (How green, ≤ 25 is good)

