



Barr Lake Water Quality Report



July 12, 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.

July – At the peak of the algae growing season, Barr Lake is looking great. There are no visible signs of algal scums but there are definitely blue-green algae growing. Mixing of the water from the wind helps keep the algae dissipated. The lake is fully mixing from the surface to a depth of 15 feet which spreads out the algae. Partial destratification is helping control the bloom. The lake is still full, and dissolved oxygen is present at greater depths. There is no oxygen below 24 feet. Algal growth is creating high oxygen levels near the surface and pH finally above 9.0. Aesthetically the lake is looking great and ready for Lake Appreciation Day this coming Saturday.

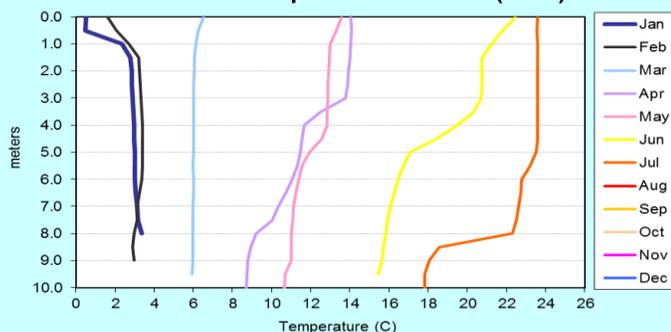
Water Quality Stats (as of 07-12-16)

Maximum Depth: 32.5 feet (between dam outlets) Water Temperature: 74.4^o F (taken 3 feet below surface)

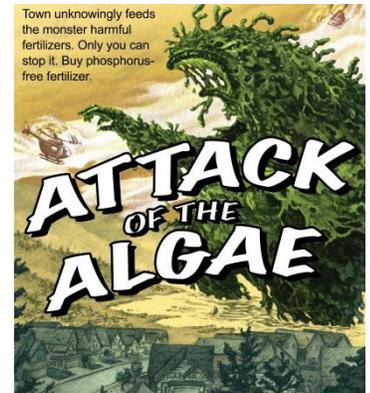
Water Clarity: 4.8 feet (≥ 3 feet is good) Dissolved Oxygen: 140% (>80% is good)

pH: 9.18 (between 6 and 9 is good) Chlorophyll-a: <25 ppb (How green, ≤ 25 is good)

Barr Lake Temperature Profiles (2016)



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

July is National Lakes Appreciation Month. This is a time to celebrate and give back to our lakes and reservoirs that we enjoy and rely on so much. Barr Lake will be having Lake Appreciation Day on July 16. Volunteers will help with projects around the park, have a free lunch, and then enjoy free activities on the water.

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.

Contact Amy Conklin, watershed coordinator, at amy.conklin@comcast.net or 303-795-5925.

Cooperation, Involvement, and Awareness

