Milton Reservoir Water Quality Report

October 10, 2023

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 the efforts to monitor, test, and improve the water quality in Milton. Regular lake sampling started in 2002.

October – Milton temperature profiles for the year show how the top and bottom waters gradually warm up through the spring and summer. This is caused by period mixing. The strongest stratified profile was from April. Most of the profiles are close to being vertical. July's profile actual shows a warm, top mixing layer (epilimnion), a cooling middle section (metalimnion), and then an isolated, mixing colder section near the sediment (hypolimnion). The October profile demonstrates how the warm 80^0 F air temperature can really heat up just the top three feet of water. The water depth did not change since the end of September. Wet dredging is still occurring on the west side of the reservoir.

Water Quality Stats (as of 10-10-23)

Maximum Depth: 21.0 feet
(dam outlet)

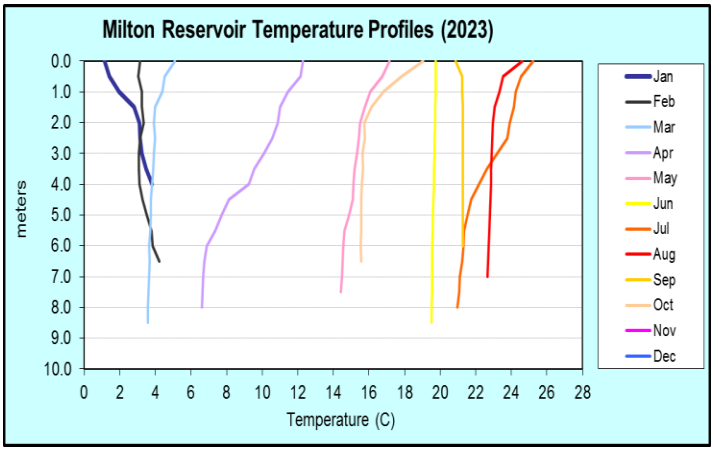
Water Temperature: 62.5^0 F
(taken 3 feet below surface)

Water Clarity: 1.0 feet
(≥ 3 feet is good)

Dissolved Oxygen: 141.2%
(>80% is good)

pH: 8.16
(between 6 and 9 is good)

Chlorophyll-a: <50.0 ppb
(How green, ≤ 25 is good)



ZERO PHOSPHORUS On Your Lawn

Watershed News

On September 12th, BMW hired experts to install and maintain continuous monitoring equipment in Barr Lake. Data is being collected every 30 minutes and sent to the internet. It will help show how changes occur over 24 hours. The sensor will be used in 2024 and in 2025.

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 Sami Miller, watershed coordinator, at miller.sami@outlook.com.

Cooperation, Involvement, and Awareness