



# Barr Lake Water Quality Report



June 13, 2023

## 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 the efforts to monitor, test, and improve the water quality in Barr Lake. This monitoring effort started in 2002.

*June* – A wet two months has brought lots of flows to Barr Lake and the Burlington ditch system. First, Second, and Third Creeks were all flowing at bank flow levels this week. They were delivering close to 100 cfs to the ditch combined. Looked like most of these flows were going around Barr Lake to Horse Creek Reservoir. Barr Lake is well above normal elevation for early June. Typically, this is the time when the reservoir level begins to drop because of the irrigation season. The high rains are causing a noticeable dilution factor when it comes to nutrients, alkalinity, and conductivity, especially in the South Platte River. Example, the S. Platte River at the Burlington Head Gate tested on 5/24/23 had Alkalinity at 84 mg/L and Total Phosphorus at 0.16 mg/L.



## Watershed News

*That time of year when lawn owners go out and fertilize their lawns. To help with water quality in Barr and Milton, please use phosphorus free lawn fertilizers if you are planning to fertilize this year. Make sure you clean up all spills and keep leaves, grass clippings and dirt from getting to the storm drains. Lovecoloradowater.org/care*

## 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 Sami Miller, watershed coordinator, at [miller.sami@outlook.com](mailto:miller.sami@outlook.com).

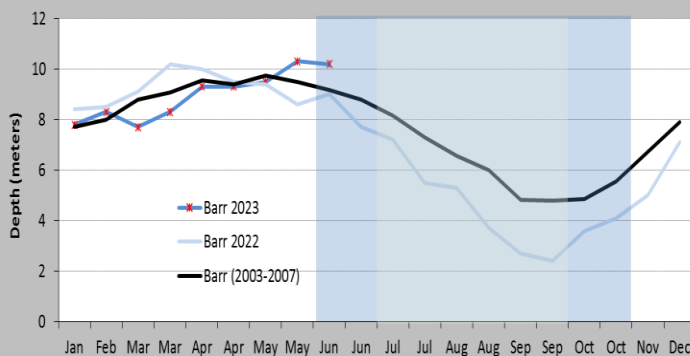
## Water Quality Stats (as of 06-13-23)

Maximum Depth: 33.5 feet (between dam outlets)      Water Temperature: 66.0° F (taken 3 feet below surface)

Water Clarity: 11.3 feet (≥ 3 feet is good)      Dissolved Oxygen: 75.0% (>80% is good)

pH: 8.33 (between 6 and 9 is good)      Chlorophyll-a: <5.0 ppb (How green, ≤ 25 is good)

Average Depth by Month, Barr Lake



*Cooperation, Involvement, and Awareness*

