

Lake / Site	Year	Phosphorus Ave	Chlorophyll a Ave	Secchi Ft	TSI Ave
Clitherall 56-0238-00 206	2014	11.2	3.7	12.1	41.0
	2015	10.1	3.0	16.6	38.2
	2016	12.2	4.0	14.7	40.6
	2017	9.1	4.1	13.9	37.0
	2018	9.1	3.7	14.0	39.2
	2019	9.6	3.7	14.2	39.6
	2020	8.4	4.5	15.5	38.4
	2021	9.4	3.2	12.8	39.8
	2022	10.8	3.7	12.3	40.4
	2023	7.0	2.4	18.0	35.0
Clitherall 56-0238-00 206 Total		9.9	3.6	14.4	39.2

## 2023 Water Quality Analysis Reports Published

Sponsoring of the OTC COLA water quality monitoring program has been a major pursuit of the organization for over 20 years. In the quest for encouraging stewardship of Otter Tail County lakes, COLA maintains a program that facilitates the administration and the funding for Lake Associations to participate. OTC COLA has also appreciated the opportunity to pass on to Member Lake Associations a discounted rate from RMB Laboratories for sample analysis.

The results generated by analysis of water samples have been compiled for 2023. The data has been combined with historical records for inclusion into a ten-year trend analysis format. The tables of yearly readings have been incorporated into the individual annual [Water Quality Analysis Reports](#) and posted in the [2023 report library](#). Over 70 tables show individual analysis of sites on over 60 lakes represented by over 50 Lake Associations in Otter Tail County.

Along with the trend analysis the Reports include links to information on how the program works, training on to how to collect samples, Explanation of the TSI Index, water quality parameter inverse relationships, and [The Case for Water Quality Monitoring](#). A description of the [Ecoregion Comparison](#) is also included.

The Reports also include individual *direct* links to outside websites having lake health analysis of each lake. They are the Minnesota [DNR Lake Finder](#), [MPCA Dashboard](#), [University of Minnesota Lake Browser](#) and the [RMB Laboratories Lakes Database](#). New in 2023 is the addition of the [DNR Health Assessment](#) that addresses Water Quality, Biology, Hydrology and Stewardship of each lake.

Access to the [OTC COLA Water Quality Analysis library](#) can be obtained from the [www.otccola.org](http://www.otccola.org) website or any monthly OTC COLA E-Newsletter.

[John Kruse, OTC COLA Administrative Assistant](#)

