

Lake Titus

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Adequate	Moderate

Water quality values for Lake Titus during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	5/19/2024	6/16/2024	7/14/2024	8/14/2024	9/9/2024	Average
Laboratory pH	6.9	7.0	7.7	6.3	6.6	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	81.6	84.8	83.8	73.7	81.2	81.0
Apparent Color (mg/L Pt-Co)	25.1	35.8	50.2	34.3	61.0	41.3
CDOM ($\mu\text{g}/\text{L}$)	128.6	127.1	130.0	174.9	155.2	143.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.0	2.5	4.1	6.1	6.7	4.5
Transparency (m)	2.5	3.5	3.3	2.2	2.5	2.8
Alkalinity (mg/L as CaCO_3)	14.2	15.4	16.8	16.2	16.9	15.9
Chloride (mg/L)	13.8	14.1	14.2	12.5	12.6	13.4
Sulfate (mg/L as SO_4)	2.9	2.9	2.6	2.2	2.2	2.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	15.2	10.8	8.7	12.1	14.2	12.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	225.2	259.0	306.1	332.4	319.2	288.4
Dissolved Organic Carbon (mg/L)	4.6	4.4	4.7	5.4	5.6	4.9
Calcium (mg/L)	4.9	5.0	5.3	5.5	5.2	5.2
Sodium (mg/L)	7.9	9.0	8.7	8.4	8.3	8.5