

Lake Titus 2023

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lake Titus during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	5/25/2023	6/22/2023	7/20/2023	8/14/2023	9/4/2023	Average
Laboratory pH	7.3	7.0	7.0	7.0	6.8	7.0
Sp. Conductance (µS/cm @ 25°C)	82.4	80.6	90.7	92.8	94.5	88.2
Apparent Color (mg/L Pt-Co)	27.9	24.6	31.1	21.4	34.3	27.9
CDOM (µg/L)	106.9	110.0	116.6	142.0	126.8	120.4
Chlorophyll-a (µg/L)	4.3	2.6	1.4	4.5	2.8	3.1
Transparency (m)	2.3	3.5	4.1	2.6	3.1	3.1
Alkalinity (mg/L as CaCO ₃)	15.2	14.9	17.2	19.0	18.4	16.9
Chloride (mg/L)	15.0	15.7	15.1	15.2	15.5	15.3
Sulfate (mg/L as SO ₄)	2.9	2.8	2.4	2.4	2.3	2.6
Total Phosphorus (µg/L as P)	12.0	8.5	9.5	7.8	7.9	9.1
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	24.3	20.5	BDL	15.0
Total Nitrogen (µg/L)	226.5	301.4	384.2	303.5	343.7	311.9
Dissolved Organic Carbon (mg/L)	4.5	4.3	4.5	3.4	4.5	4.2
Calcium (mg/L)	5.3	5.6	5.5	5.8	5.9	5.6
Sodium (mg/L)	9.1	9.3	9.7	9.8	9.9	9.6

Lake Titus 2022

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lake Titus during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	7/1/2022	7/20/2022	8/18/2022	Average
Laboratory pH	7.6	7.4	7.9	7.6
Sp. Conductance (µS/cm@25 C)	86.8	85.7	91.6	88.0
Apparent Color (mg/L Pt-Co)	34.3	34.3	24.6	31.1
CDOM (µg/L QSE)	123.5	116.7	118.6	119.6
Chlorophyll-a (µg/L)	3.0	1.8	7.9	4.2
Transparency (m)	2.9	4.0	3.5	3.4
Alkalinity (mg/L as CaCO ₃)	16.5	15.2	18.8	16.8
Chloride (mg/L)	13.7	14.1	14.5	14.1
Sulfate as SO ₄ (mg/L)	2.6	2.5	2.4	2.5
Total Phosphorus (µg/L as P)	8.8	8.3	10.3	9.1
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	244.8	220.7	233.6	233.0
Dissolved Organic Carbon (NPOC mg/L)	4.5	4.9	4.7	4.7
Calcium (mg/L)	5.4	5.5	5.9	5.6
Sodium (mg/L)	9.1	9.3	9.3	9.2