Chazy Lake

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

Water quality values for Chazy Lake during the 2023 sampling season. BDL = below detection limit. VOB = visible on bottom.

Eagle Point

Water Quality Indicator	6/21/2023	7/18/2023	8/15/2023	Average
Laboratory pH	7.2	7.2	7.6	7.3
Sp. Conductance (µS/cm @ 25°C)	84.3	78.7	80.2	81.1
Apparent Color (mg/L Pt-Co)	66.5	18.2	15.0	33.2
CDOM (µg/L)	85.5	120.4	123.0	109.6
Chlorophyll-a (µg/L)	1.1	1.6	2.6	1.8
Transparency (m)	5.5	4.2	4.3	4.7
Alkalinity (mg/L as $CaCO_3$)	22.8	22.4	23.1	22.8
Chloride (mg/L)	11.7	9.6	9.4	10.2
Sulfate (mg/L as SO_4)	2.4	1.9	2.0	2.1
Total Phosphorus (µg/L as P)	7.2	7.7	6.6	7.2
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH_3-N)	24.4	29.3	20.7	24.8
Total Nitrogen (µg/L)	68.2	308.3	291.9	222.8
Dissolved Organic Carbon (mg/L)	4.0	4.0	26.7	11.6
Calcium (mg/L)	7.2	6.5	6.5	6.7
Sodium (mg/L)	6.8	6.4	6.4	6.5

Halfway Point

Laboratory pH	7.2	7.3	7.5	7.3
Sp. Conductance (µS/cm @ 25°C)	83.6	78.2	79.1	80.3
Apparent Color (mg/L Pt-Co)	18.2	21.4	18.2	19.3
CDOM (µg/L)	86.0	137.4	112.4	112.0
Chlorophyll-a (µg/L)	1.0	1.8	2.7	1.8
Transparency (m)	5.9	3.9	5.1	4.9
Alkalinity (mg/L as $CaCO_3$)	22.7	21.0	22.6	22.1
Chloride (mg/L)	11.7	9.6	9.4	10.2
Sulfate (mg/L as SO_4)	2.4	1.9	2.0	2.1
Total Phosphorus (µg/L as P)	5.5	6.4	8.5	6.8
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH_3-N)	20.4	30.7	BDL	20.4
Total Nitrogen (µg/L)	745.7	337.7	319.5	467.6
Dissolved Organic Carbon (mg/L)	4.0	4.1	13.2	7.1
Calcium (mg/L)	7.2	6.5	6.8	6.8
Sodium (mg/L)	6.8	6.3	6.3	6.5

South Inlet

Laboratory pH	7.3	7.3	7.6	7.4
Sp. Conductance (µS/cm @ 25°C)	81.6	76.9	78.3	78.9
Apparent Color (mg/L Pt-Co)	47.2	18.2	24.6	30.0
CDOM (µg/L)	101.6	135.9	120.7	119.4
Chlorophyll-a (µg/L)	1.0	1.9	2.4	1.8
Transparency (m)	VOB	4.0	VOB	4.0
Alkalinity (mg/L as $CaCO_3$)	23.2	21.5	23.2	22.6
Chloride (mg/L)	11.3	9.1	8.8	9.7
Sulfate (mg/L as SO_4)	2.4	1.9	2.0	2.1
Total Phosphorus (µg/L as P)	7.0	6.1	6.9	6.7
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH_3-N)	23.3	30.6	BDL	21.3
Total Nitrogen (µg/L)	303.7	304.0	275.8	294.5
Dissolved Organic Carbon (mg/L)	3.9	4.1	4.6	4.2
Calcium (mg/L)	7.2	6.4	6.4	6.6
Sodium (mg/L)	6.4	6.1	6.0	6.2