

Adirondack Lake Assessment Program

2024 Update

To improve reporting efficiency, maintain financial viability, and avoid unnecessary redundancies, the Adirondack Lake Assessment Program (ALAP) has moved from producing an annual report to a five-year reporting cycle. During the interim years, the ALAP coordinators will provide a summary of the current year’s data to participating lakes.

For more information on ALAP and participating lakes please see the comprehensive report: **Adirondack Lake Assessment Program 2023 Report: A Community Science Lake Monitoring Program in its 26st Year**. This report, released in June of 2025, provides readers with the appropriate background information on interpreting lake data, a regional analysis of the water quality characteristics of Adirondack lakes, and a synthesis of current and historical water quality data for all participating lakes.

In 2023, road salt influence status was updated with new thresholds based on the most recent scientific literature and to align with the Adirondack Road Salt Reduction Task Force Assessment and Recommendations.

Old Thresholds		New Thresholds	
Road Salt Influence	Chloride (mg/L)	Road Salt Influence	Chloride (mg/L)
Not Significant	≤0.9	Not Significant	≤0.9
Low	1.0-4.9	Low	1.0-9.9
Moderate	5.0-19.9	Moderate	10.0-39.9
High	≥20.0	High	≥40.0

For additional information, please contact the corresponding author: Sara Kelly, Research Scientist, Paul Smith’s College Adirondack Watershed Institute. (518) 327-6054. skelly1@paulsmiths.edu

Recommended citation: Kelly S.A., Hall J.R., Treibergs L.A., Clark B., Vara C., & Yerger E.C. 2024. Adirondack Lake Assessment Program: 2024 Update. Adirondack Watershed Institute, Paul Smiths, NY USA.

Click on the lake name to see the 2024 data.

Arbutus Lake	4
Augur Lake	5
Austin Pond	6
Big Moose Lake	7
Blue Mountain Lake	8
Brandreth Lake.....	10
Canada Lake	11
Catlin Lake	12
Chazy Lake.....	13
Clear Pond	16
Cranberry Lake	17
Deer Pond	18

Eagle Lake.....	19
East Caroga Lake	20
Eli Pond	22
Elk Lake.....	23
Fern Lake	24
Follensby Pond	25
Friends Lake	26
Garnet Lake	27
Green Lake	28
Gull Pond.....	29
Highlands Forge Lake	30
Hoel Pond.....	31
Indian Lake - Franklin County.....	32
Irving Pond	33
Kiwassa Lake	34
Lake Adirondack.....	35
Lake Clear.....	36
Lake Colby	37
Lake of the Pines	38
Lake Titus	39
Lens Lake	40
Little Colby Pond	41
Little Long Lake	42
Little Simon Pond	43
Long Lake	44
Long Pond	45
Loon Lake - Franklin County.....	46
Loon Lake - Warren County	47
Lower Beaver Pond	48
Lower Chateaugay Lake	49
Lower Saranac Lake.....	50
Middle Saranac Lake	51
Moody Pond.....	52
Moss Lake.....	53
Mountain Pond	54

Mountain View Lake	55
Osgood Pond	56
Paradox Lake	57
Pine Lake	59
Pleasant Lake	60
Ragged Lake	61
Raquette Lake	62
Rich Lake	64
Silver Lake	65
Simon Pond	66
Split Rock Pond	67
Star Lake.....	68
Stony Creek Ponds	69
Thirteenth Lake	70
Tripp Lake.....	71
Trout Lake	72
Tupper Lake.....	73
Twitchell Lake.....	74
Upper Chateaugay Lake	75
West Caroga Lake.....	77
West Lake.....	78
White Lake	79
Windover Lake	80
Wolf Lake	81

Arbutus Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Moderate	Not Significant

Water quality values for Arbutus Lake during the 2024 sampling season. BDL = below detection limit. NA = No sample due to field error.

Water Quality Indicator	5/23/2024	6/17/2024	7/19/2024	8/14/2024	9/6/2024	Average
Laboratory pH	6.2	6.4	6.5	6.8	7.0	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	17.2	17.5	17.9	17.9	18.3	17.8
Apparent Color (mg/L Pt-Co)	50.2	35.8	46.6	40.7	40.7	42.8
CDOM ($\mu\text{g}/\text{L}$)	142.2	139.4	151.6	154.7	159.9	149.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.5	0.8	0.6	NA	0.4	1.1
Transparency (m)	2.8	2.9	3.1	3.2	3.1	3.0
Alkalinity (mg/L as CaCO_3)	4.6	4.6	5.1	4.6	4.4	4.7
Chloride (mg/L)	0.5	BDL	BDL	BDL	0.5	BDL
Sulfate (mg/L as SO_4)	2.2	2.3	2.3	2.2	2.3	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.2	6.4	4.4	5.0	5.5	5.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	10.3	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 ($\mu\text{g}/\text{L}$)	208.7	303.8	218.7	217.3	204.1	230.5
Dissolved Organic Carbon (mg/L)	5.1	5.4	5.3	5.6	5.4	5.4
Calcium (mg/L)	1.9	2.5	2.0	2.0	2.0	2.1
Sodium (mg/L)	0.7	0.7	0.7	0.7	0.7	0.7

Augur Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Eutrophic	Circumneutral	High	Moderate

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

Water Quality Indicator	6/16/2024	7/18/2024	8/11/2024	Average
Laboratory pH	8.3	8.2	6.9	7.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	186.5	204.0	210.0	200.2
Apparent Color (mg/L Pt-Co)	25.1	61.0	25.1	37.0
CDOM ($\mu\text{g}/\text{L}$)	98.1	102.9	112.0	104.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	5.2	9.0	9.9	8.0
Transparency (m)	2.0	2.3	1.9	2.1
Alkalinity (mg/L as CaCO_3)	39.6	37.8	44.1	40.5
Chloride (mg/L)	31.5	34.4	35.4	33.8
Sulfate (mg/L as SO_4)	3.5	3.4	2.9	3.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	20.6	16.4	28.2	21.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	285.0	274.5	269.2	276.2
Dissolved Organic Carbon (mg/L)	3.5	3.9	4.1	3.8
Calcium (mg/L)	14.8	12.6	15.8	14.4
Sodium (mg/L)	19.1	20.2	19.5	19.6

Austin Pond

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

Water quality values for Austin Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2024	7/18/2024	8/10/2024	Average
Laboratory pH	6.3	6.7	6.7	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	118.6	118.1	118.9	118.5
Apparent Color (mg/L Pt-Co)	50.2	136.4	71.8	86.1
CDOM ($\mu\text{g}/\text{L}$)	105.0	142.6	164.7	137.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.0	3.1	1.1	2.1
Transparency (m)	2.1	0.9	1.0	1.3
Alkalinity (mg/L as CaCO_3)	30.8	30.7	31.4	31.0
Chloride (mg/L)	18.2	16.4	16.2	16.9
Sulfate (mg/L as SO_4)	2.0	1.8	1.2	1.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	11.2	9.8	12.1	11.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	8.1	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	262.2	235.9	316.7	271.6
Dissolved Organic Carbon (NPOC mg/L)	3.9	4.9	5.6	4.8
Calcium (mg/L)	12.9	11.8	12.2	12.3
Sodium (mg/L)	9.8	8.9	8.9	9.2

Big Moose Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Low	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	--	---

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

Water Quality Indicator	6/21/2024	7/21/2024	8/10/2024	Average
Laboratory pH	7.3	6.9	7.0	7.1
Sp. Conductance (µS/cm @ 25°C)	13.2	12.8	12.1	12.7
Apparent Color (mg/L Pt-Co)	57.4	89.7	71.8	73.0
CDOM (µg/L)	173.2	234.9	221.4	209.8
Chlorophyll-a (µg/L)	5.4	1.6	3.6	3.5
Transparency (m)	2.5	2.5	2.9	2.6
Alkalinity (mg/L as CaCO ₃)	2.7	2.6	BDL	BDL
Chloride (mg/L)	0.6	BDL	BDL	BDL
Sulfate (mg/L as SO ₄)	1.7	1.6	1.4	1.6
Total Phosphorus (µg/L as P)	8.9	8.4	7.5	8.3
Nitrate-Nitrite (µg/L as N)	11.6	10.4	BDL	9.0
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	399.7	273.6	235.5	302.9
Dissolved Organic Carbon (mg/L)	7.4	7.5	7.2	7.4
Calcium (mg/L)	1.2	1.3	1.2	1.2
Sodium (mg/L)	0.7	0.6	0.7	0.7

Blue Mountain Lake

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

Water quality values for BML during the 2024 sampling season. BDL= below detection limit. VOB= visible on bottom.

East Bay

Water Quality Indicator	5/25/2024	6/22/2024	7/16/2024	8/16/2024	9/16/2024	Average
Laboratory pH	7.3	6.2	7.0	6.5	7.3	6.8
Sp. Conductance (µS/cm @ 25°C)	85.3	85.4	70.0	58.0	81.1	76.0
Apparent Color (mg/L Pt-Co)	21.5	21.5	25.1	17.9	17.9	20.8
CDOM (µg/L)	86.2	63.2	51.0	63.7	65.2	65.8
Chlorophyll-a (µg/L)	0.4	1.0	0.8	1.1	0.7	0.8
Transparency (m)	7.9	6.9	7.6	6.3	7.3	7.2
Alkalinity (mg/L as CaCO ₃)	8.9	9.3	7.8	7.5	9.2	8.5
Chloride (mg/L)	18.5	18.0	14.4	11.5	17.1	15.9
Sulfate (mg/L as SO ₄)	2.0	2.0	1.9	1.4	1.9	1.8
Total Phosphorus (µg/L as P)	3.8	3.7	3.4	4.3	4.1	3.9
Nitrate-Nitrite (µg/L as N)	11.7	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	34.7	BDL	BDL
Total Nitrogen (µg/L)	199.0	222.2	193.6	172.1	255.4	208.5
Dissolved Organic Carbon (mg/L)	4.0	4.4	3.7	3.7	3.7	3.9
Calcium (mg/L)	3.6	3.6	3.2	2.8	3.4	3.3
Sodium (mg/L)	11.7	11.7	9.3	7.0	10.7	10.1

Halsch Bay

Laboratory pH	7.4	6.7	6.9	6.4	7.2	6.9
Sp. Conductance (µS/cm @ 25°C)	85.7	74.0	74.8	72.3	87.0	78.8
Apparent Color (mg/L Pt-Co)	21.5	17.9	21.5	32.3	21.5	22.9
CDOM (µg/L)	82.4	59.8	60.1	72.3	66.3	68.2
Chlorophyll-a (µg/L)	0.5	0.8	BDL	0.9	0.9	0.6
Transparency (m)	Not Recorded	Not Recorded	VOB	VOB	VOB	VOB
Alkalinity (mg/L as CaCO ₃)	8.7	8.3	7.8	8.5	8.8	8.4
Chloride (mg/L)	18.6	15.4	14.9	14.8	18.5	16.4
Sulfate (mg/L as SO ₄)	2.0	1.8	1.9	1.7	2.0	1.9
Total Phosphorus (µg/L as P)	6.2	4.2	3.8	4.3	6.4	5.0
Nitrate-Nitrite (µg/L as N)	12.7	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	263.4	228.8	214.6	BDL	209.4	212.7
Dissolved Organic Carbon (mg/L)	4.3	3.7	3.7	4.3	3.8	4.0
Calcium (mg/L)	3.6	3.3	3.1	3.1	3.6	3.3
Sodium (mg/L)	11.7	10.1	9.5	9.0	11.6	10.4

Town Bay

Laboratory pH	7.2	6.6	7.0	6.5	7.1	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	85.7	85.9	82.2	75.6	86.6	83.2
Apparent Color (mg/L Pt-Co)	21.5	28.7	25.1	28.7	14.3	23.6
CDOM ($\mu\text{g}/\text{L}$)	82.1	61.3	61.0	61.2	78.8	68.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.4	1.1	0.8	0.8	1.1	0.8
Transparency (m)	Not Recorded	VOB	VOB	VOB	VOB	VOB
Alkalinity (mg/L as CaCO_3)	10.1	9.1	9.2	8.6	6.2	8.6
Chloride (mg/L)	18.4	18.7	17.9	15.7	18.5	17.8
Sulfate (mg/L as SO_4)	2.0	2.1	2.1	1.7	2.0	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.9	4.7	6.3	5.8	3.6	6.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	12.8	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	35.0	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	224.8	207.8	253.5	221.6	245.3	230.6
Dissolved Organic Carbon (mg/L)	4.8	4.6	5.1	4.6	4.3	4.7
Calcium (mg/L)	3.7	3.8	3.6	3.5	3.5	3.6
Sodium (mg/L)	11.8	12.2	11.5	10.2	11.7	11.5

West Bay

Laboratory pH	7.4	6.7	7.0	6.5	7.2	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	84.8	56.3	80.8	39.0	86.0	69.4
Apparent Color (mg/L Pt-Co)	28.7	28.7	28.7	14.3	17.9	23.6
CDOM ($\mu\text{g}/\text{L}$)	88.1	49.6	62.0	38.2	73.3	62.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.5	0.9	0.8	0.9	0.7	0.7
Transparency (m)	7.6	6.4	7.2	7.2	8.1	7.3
Alkalinity (mg/L as CaCO_3)	9.1	6.5	8.8	5.2	9.0	7.7
Chloride (mg/L)	18.4	11.9	17.4	7.3	18.5	14.7
Sulfate (mg/L as SO_4)	2.0	1.5	2.1	1.0	2.0	1.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.2	4.3	5.4	3.9	3.3	4.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	11.6	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 ($\mu\text{g}/\text{L}$)	185.5	176.9	209.9	BDL	266.2	195.0
Dissolved Organic Carbon (mg/L)	4.2	3.4	4.3	2.5	3.9	3.6
Calcium (mg/L)	3.8	2.5	3.5	2.0	3.6	3.1
Sodium (mg/L)	11.7	7.5	11.0	4.8	11.5	9.3

Brandreth Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Moderate	Not Significant

Water quality values for Bigsby Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/18/2024	7/20/2024	8/14/2024	Average
Laboratory pH	6.7	6.9	6.5	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	14.6	13.2	13.1	13.6
Apparent Color (mg/L Pt-Co)	25.6	28.7	32.3	28.8
CDOM ($\mu\text{g}/\text{L}$)	101.6	102.2	103.4	102.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.3	0.3	0.7	0.4
Transparency (m)	7.2	7.4	5.7	6.7
Alkalinity (mg/L as CaCO_3)	3.7	3.2	2.9	3.2
Chloride (mg/L)	0.7	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	2.0	2.1	1.9	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.6	3.4	3.5	4.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	85.6	71.2	61.0	72.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	34.5	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	396.0	278.6	229.9	301.5
Dissolved Organic Carbon (mg/L)	4.8	3.9	3.9	4.2
Calcium (mg/L)	1.8	1.2	1.1	1.4
Sodium (mg/L)	0.8	0.7	0.6	0.7

Canada Lake

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

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

Water Quality Indicator	5/19/2024	6/22/2024	7/19/2024	8/9/2024	9/10/2024	Average
Laboratory pH	8.2	7.1	6.8	6.3	7.6	7.2
Sp. Conductance (µS/cm @ 25°C)	38.8	42.0	44.2	45.4	44.9	43.1
Apparent Color (mg/L Pt-Co)	32.3	25.1	35.8	21.4	34.3	29.8
CDOM (µg/L)	137.3	117.7	107.0	116.0	119.1	119.4
Chlorophyll-a (µg/L)	0.8	1.7	1.0	1.7	2.6	1.6
Transparency (m)	5.5	4.4	4.5	4.2	4.5	4.6
Alkalinity (mg/L as CaCO ₃)	4.4	4.8	6.0	5.6	6.0	5.4
Chloride (mg/L)	6.9	7.6	7.7	7.7	7.8	7.5
Sulfate (mg/L as SO ₄)	1.9	1.9	2.1	1.9	1.8	1.9
Total Phosphorus (µg/L as P)	3.7	4.0	3.6	4.0	5.0	4.1
Nitrate-Nitrite (µg/L as N)	84.7	42.5	8.7	9.8	8.9	30.9
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	230.9	209.2	177.9	195.6	226.4	208.0
Dissolved Organic Carbon (mg/L)	4.0	4.1	3.6	3.7	4.1	3.9
Calcium (mg/L)	1.8	1.9	2.1	2.2	2.2	2.0
Sodium (mg/L)	4.4	4.9	5.2	5.2	5.2	5.0

Catlin Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Not Significant

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

Water Quality Indicator	6/17/2024	7/19/2024	8/13/2024	Average
Laboratory pH	6.8	7.2	6.3	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	19.6	20.4	20.4	20.1
Apparent Color (mg/L Pt-Co)	35.8	46.6	57.4	46.6
CDOM ($\mu\text{g}/\text{L}$)	129.4	151.8	164.2	148.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	BDL	0.5	4.4	1.7
Transparency (m)	3.6	2.6	3.1	3.1
Alkalinity (mg/L as CaCO_3)	6.0	7.2	6.9	6.7
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	2.0	2.0	1.7	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.3	9.4	7.2	7.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	48.7	11.1	9.5	23.1
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	32.5	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	273.4	273.5	198.3	248.4
Dissolved Organic Carbon (mg/L)	4.7	5.0	5.5	5.1
Calcium (mg/L)	2.7	2.3	2.2	2.4
Sodium (mg/L)	0.9	0.9	0.8	0.8

Chazy Lake

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

Water quality values for Chazy Lake during the 2024 sampling season. BDL = below detection limit. VOB = visible on bottom.

Eagle Point

Water Quality Indicator	6/16/2024	7/14/2024	8/14/2024	Average
Laboratory pH	6.5	7.1	7.2	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	81.1	82.1	82.7	82.0
Apparent Color (mg/L Pt-Co)	25.1	21.5	25.1	23.9
CDOM ($\mu\text{g}/\text{L}$)	96.0	81.8	100.4	92.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	1.2	2.1	1.5
Transparency (m)	6.4	6.4	6.1	6.3
Alkalinity (mg/L as CaCO_3)	22.1	22.0	22.3	22.1
Chloride (mg/L)	9.9	10.7	9.6	10.1
Sulfate (mg/L as SO_4)	2.0	1.8	1.9	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.8	4.4	3.8	4.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	218.5	251.5	201.6	223.9
Dissolved Organic Carbon (mg/L)	3.8	3.7	3.9	3.8
Calcium (mg/L)	6.6	7.1	6.9	6.8
Sodium (mg/L)	6.5	6.7	6.7	6.6

South Inlet

Laboratory pH	6.7	7.5	7.2	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	80.4	81.4	80.6	80.8
Apparent Color (mg/L Pt-Co)	25.1	28.7	35.8	29.9
CDOM ($\mu\text{g}/\text{L}$)	110.7	79.8	99.5	96.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.3	1.0	1.9	1.4
Transparency (m)	VOB	VOB	VOB	VOB
Alkalinity (mg/L as CaCO_3)	22.5	24.2	23.1	23.3
Chloride (mg/L)	9.8	10.4	9.2	9.8
Sulfate (mg/L as SO_4)	1.9	1.7	1.9	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.7	3.5	BDL	3.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	219.1	310.7	211.6	247.1
Dissolved Organic Carbon (mg/L)	4.1	4.0	3.8	4.0
Calcium (mg/L)	6.6	6.9	6.9	6.8
Sodium (mg/L)	6.4	6.5	6.4	6.4

Smith Bay

Laboratory pH	6.8	6.8	7.7	7.2	7.0	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	81.6	82.8	85.3	84.1	83.7	83.5
Apparent Color (mg/L Pt-Co)	7.1	35.8	25.1	28.7	21.5	23.6
CDOM ($\mu\text{g}/\text{L}$)	120.7	110.3	97.5	102.4	73.3	100.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	0.7	1.6	1.8	1.7	1.6
Transparency (m)	VOB	VOB	VOB	VOB	VOB	VOB
Alkalinity (mg/L as CaCO_3)	23.1	23.1	24.9	21.7	24.4	23.4
Chloride (mg/L)	10.3	10.1	11.2	9.8	9.3	10.1
Sulfate (mg/L as SO_4)	1.9	1.9	1.8	1.9	1.8	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.9	5.4	6.4	3.6	4.4	5.1
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	BLD	BDL	34.6	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	230.0	220.4	315.9	212.4	222.6	240.3
Dissolved Organic Carbon (mg/L)	3.8	3.7	4.2	3.8	4.0	3.9
Calcium (mg/L)	6.9	6.7	7.1	7.2	7.0	7.0
Sodium (mg/L)	6.0	6.6	6.9	6.8	6.7	6.6

Seine Bay

Laboratory pH	6.9	6.8	7.6	7.0	6.8	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	84.4	83.7	82.6	82.3	83.3	83.3
Apparent Color (mg/L Pt-Co)	17.9	25.1	25.1	35.8	21.5	25.1
CDOM ($\mu\text{g}/\text{L}$)	101.3	108.1	79.8	101.3	84.0	94.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.7	1.5	1.8	2.2	1.4	2.1
Transparency (m)	VOB	VOB	VOB	VOB	VOB	VOB
Alkalinity (mg/L as CaCO_3)	23.8	22.9	25.0	19.4	24.6	23.1
Chloride (mg/L)	11.1	10.4	10.7	9.5	9.2	10.2
Sulfate (mg/L as SO_4)	1.9	1.9	1.8	1.9	1.8	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.1	5.2	6.0	4.1	4.1	4.9
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	34.7	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	204.2	218.1	249.7	233.9	234.7	228.1
Dissolved Organic Carbon (mg/L)	3.7	3.7	3.6	3.8	3.8	3.7
Calcium (mg/L)	7.2	6.8	6.8	7.4	7.1	7.0
Sodium (mg/L)	6.5	6.8	6.6	6.8	6.6	6.7

Deep Hole- Halfway Point

Laboratory pH	6.3	6.8	7.4	7.3	6.6	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	78.6	81.4	81.2	81.7	82.6	81.1
Apparent Color (mg/L Pt-Co)	25.1	32.3	17.9	32.3	21.5	25.8
CDOM ($\mu\text{g}/\text{L}$)	109.1	93.5	83.5	107.7	79.5	94.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.4	1.6	1.2	2.1	1.8	2.0
Transparency (m)	4.8	5.8	6.1	5.8	6.6	5.8
Alkalinity (mg/L as CaCO_3)	21.8	22.5	23.2	20.7	23.6	22.4
Chloride (mg/L)	9.9	9.9	10.5	9.5	9.1	9.8
Sulfate (mg/L as SO_4)	1.9	2.0	1.7	1.9	1.8	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.2	6.3	5.8	3.7	4.1	5.2
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 ($\mu\text{g}/\text{L}$)	230.2	217.7	258.5	236.7	178.3	224.3
Dissolved Organic Carbon (mg/L)	3.7	4.0	4.0	3.8	7.3	4.6
Calcium (mg/L)	6.7	7.3	6.9	6.4	6.9	6.9
Sodium (mg/L)	6.3	6.8	7.4	7.3	6.6	6.9

Clear Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values for Clear Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	5/20/2024	6/16/2024	7/14/2024	8/16/2024	9/13/2024	Average
Laboratory pH	7.6	6.3	8.0	7.0	7.2	7.2
Sp. Conductance (µS/cm @ 25°C)	18.9	17.6	19.0	18.9	19.3	18.7
Apparent Color (mg/L Pt-Co)	28.7	28.7	32.3	35.8	32.3	31.5
CDOM (µg/L)	116.8	93.2	105.5	120.8	101.4	107.6
Chlorophyll-a (µg/L)	2.6	0.3	0.4	0.3	0.8	0.9
Transparency (m)	5.5	7.1	6.2	6.8	7.1	6.5
Alkalinity (mg/L as CaCO ₃)	7.2	7.1	7.0	7.0	6.5	7.0
Chloride (mg/L)	BDL	BDL	0.5	BDL	0.6	BDL
Sulfate (mg/L as SO ₄)	1.6	1.7	1.4	1.5	1.5	1.5
Total Phosphorus (µg/L as P)	3.9	4.2	3.8	3.4	2.6	3.6
Nitrate-Nitrite (µg/L as N)	7.8	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	185.3	221.2	163.0	186.1	212.6	193.6
Dissolved Organic Carbon (mg/L)	4.0	4.1	4.2	4.7	4.4	4.3
Calcium (mg/L)	2.3	2.9	2.5	2.4	2.3	2.5
Sodium (mg/L)	0.9	0.9	1.1	0.9	0.9	0.9

Cranberry Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Not Significant

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

Water Quality Indicator	6/23/2024	7/22/2024	8/14/2024	Average
Laboratory pH	6.8	6.8	7.6	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	17.9	17.8	18.5	18.1
Apparent Color (mg/L Pt-Co)	50.2	64.6	61.0	58.6
CDOM ($\mu\text{g}/\text{L}$)	141.9	187.3	187.0	172.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.2	1.4	1.6	2.0
Transparency (m)	3.0	3.3	2.2	2.8
Alkalinity (mg/L as CaCO_3)	4.9	4.5	5.3	4.9
Chloride (mg/L)	0.6	0.6	0.6	0.6
Sulfate (mg/L as SO_4)	2.1	2.1	1.8	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	11.0	8.1	7.2	8.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	68.8	40.4	31.0	46.7
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	32.9	47.1	34.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	301.0	298.9	231.4	277.1
Dissolved Organic Carbon (mg/L)	4.5	5.6	5.7	5.3
Calcium (mg/L)	1.6	1.8	1.6	1.7
Sodium (mg/L)	0.9	1.0	0.8	0.9

Deer Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Moderate	Not Significant

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

Water Quality Indicator	5/2024	6/18/2024	7/18/2024	8/13/2024	9/6/2024	Average
Laboratory pH		7.2	6.9	7.1	6.9	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)		21.7	21.2	20.5	21.0	21.1
Apparent Color (mg/L Pt-Co)		39.4	57.4	43.0	43.9	46.0
CDOM ($\mu\text{g}/\text{L}$)		159.6	149.8	172.2	157.1	159.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)		2.8	2.0	0.8	1.7	1.8
Transparency (m)		3.0	2.3	2.3	2.3	2.5
Alkalinity (mg/L as CaCO_3)	No Sample	8.7	8.4	8.2	7.5	8.2
Chloride (mg/L)		BDL	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)		1.9	1.8	1.5	1.6	1.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)		13.7	6.3	9.1	8.3	9.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)		BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)		BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)		316.9	280.4	252.6	307.1	289.3
Dissolved Organic Carbon (mg/L)		4.8	5.1	5.9	5.7	5.4
Calcium (mg/L)		3.4	2.4	2.3	2.2	2.6
Sodium (mg/L)		2.2	1.0	0.9	1.0	1.3

Eagle Lake

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

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

Water Quality Indicator	6/20/2024	7/24/2024	8/24/2024	Average
Laboratory pH	8.0	6.7	6.9	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	92.9	93.3	56.8	81.0
Apparent Color (mg/L Pt-Co)	25.1	28.7	15.0	22.9
CDOM ($\mu\text{g}/\text{L}$)	86.1	77.1	61.5	74.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.6	0.5	0.8	0.6
Transparency (m)	5.7	4.8	Not Recorded	5.3
Alkalinity (mg/L as CaCO_3)	9.5	10.1	7.1	8.9
Chloride (mg/L)	20.6	19.9	11.3	17.3
Sulfate (mg/L as SO_4)	1.9	2.2	1.2	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	11.6	8.1	10.4	10.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	336.9	230.2	214.1	260.4
Dissolved Organic Carbon (mg/L)	5.0	4.6	3.6	4.4
Calcium (mg/L)	4.3	4.0	2.9	3.7
Sodium (mg/L)	13.2	13.0	7.1	11.1

East Caroga Lake

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

Water quality values for East Caroga Lake during the 2024 sampling season. BDL = below detection limit. VOB = visible on bottom.

Deep Hole

Water Quality Indicator	5/19/2024	6/17/2024	7/14/2024	8/10/2024	9/6/2024	Average
Laboratory pH	8.4	8.5	8.6	7.7	7.3	8.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	157.4	159.1	156.8	157.9	159.6	158.2
Apparent Color (mg/L Pt-Co)	39.4	21.5	25.1	35.8	15.0	27.4
CDOM ($\mu\text{g}/\text{L}$)	129.2	117.5	100.1	111.5	106.2	112.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	2.2	1.5	3.7	1.5	2.0
Transparency (m)	4.2	3.5	4.7	2.3	4.0	3.8
Alkalinity (mg/L as CaCO_3)	29.0	30.2	27.7	31.9	30.5	29.9
Chloride (mg/L)	29.1	28.6	28.8	27.4	28.9	28.6
Sulfate (mg/L as SO_4)	2.5	2.4	2.1	1.8	2.0	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.4	8.4	6.7	7.2	6.6	7.1
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 ($\mu\text{g}/\text{L}$)	216.5	273.0	260.3	272.5	248.5	254.2
Dissolved Organic Carbon (mg/L)	4.6	4.6	4.6	4.6	4.4	4.6
Calcium (mg/L)	10.3	11.1	12.4	10.5	10.7	11.0
Sodium (mg/L)	17.9	18.2	18.3	17.3	17.6	17.9

Shallow Water

Laboratory pH	7.8	8.7	7.6	7.9	6.9	7.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	157.8	158.1	158.1	149.1	159.0	156.4
Apparent Color (mg/L Pt-Co)	32.3	28.7	32.3	32.3	15.0	28.1
CDOM ($\mu\text{g}/\text{L}$)	112.1	117.2	114.8	105.9	104.5	110.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.5	2.3	1.4	3.6	1.7	2.1
Transparency (m)	VOB	2.3	2.3	2.0	2.1	2.2
Alkalinity (mg/L as CaCO_3)	29.4	28.7	29.8	30.8	29.9	29.7
Chloride (mg/L)	29.5	29.3	28.5	26.1	28.6	28.4
Sulfate (mg/L as SO_4)	2.6	2.5	2.1	1.8	1.9	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.6	7.5	7.4	8.2	5.0	7.3
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 ($\mu\text{g}/\text{L}$)	228.3	261.3	221.2	264.5	239.1	242.9
Dissolved Organic Carbon (mg/L)	4.6	4.5	4.4	4.2	4.3	4.4
Calcium (mg/L)	10.5	10.5	11.0	10.4	10.6	10.6
Sodium (mg/L)	18.6	18.3	18.1	16.1	17.5	17.7

Treatment

Laboratory pH	7.8	7.8	8.1	7.9	7.1	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	157.7	159.3	159.5	158.0	160.3	159.0
Apparent Color (mg/L Pt-Co)	35.8	25.1	28.7	39.4	18.2	29.4
CDOM ($\mu\text{g}/\text{L}$)	123.1	111.7	111.6	104.5	98.0	109.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	1.9	1.3	3.4	1.9	1.9
Transparency (m)	VOB	2.6	4.3	2.1	VOB	3.0
Alkalinity (mg/L as CaCO_3)	28.6	29.7	28.7	32.6	31.1	30.1
Chloride (mg/L)	29.7	29.3	29.9	27.5	28.8	29.0
Sulfate (mg/L as SO_4)	2.6	2.4	2.1	1.9	2.0	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.3	8.0	6.5	7.7	8.3	7.6
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 ($\mu\text{g}/\text{L}$)	242.1	271.9	236.6	255.6	243.0	249.8
Dissolved Organic Carbon (mg/L)	4.5	4.4	4.6	4.4	4.4	4.5
Calcium (mg/L)	10.2	10.4	11.5	10.3	10.5	10.6
Sodium (mg/L)	17.9	18.5	18.2	17.1	17.6	17.9

Eli Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values for Eli Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/14/2024	7/12/2024	8/11/2024	Average
Laboratory pH	7.1	7.8	6.8	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	36.8	39.0	36.6	37.5
Apparent Color (mg/L Pt-Co)	35.8	68.2	71.8	58.6
CDOM ($\mu\text{g}/\text{L}$)	82.9	111.5	149.3	114.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	2.1	2.3	1.9
Transparency (m)	3.7	12.3	4.1	6.7
Alkalinity (mg/L as CaCO_3)	16.1	17.6	16.1	16.6
Chloride (mg/L)	0.8	0.6	BDL	0.6
Sulfate (mg/L as SO_4)	2.4	1.8	1.7	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	23.6	16.3	14.6	18.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	32.3	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	494.4	414.2	427.5	445.4
Dissolved Organic Carbon (mg/L)	4.1	3.9	4.9	4.3
Calcium (mg/L)	5.6	5.5	4.9	5.3
Sodium (mg/L)	1.4	1.3	1.2	1.3

Elk Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	5/20/2024	6/16/2024	7/14/2024	8/16/2024	9/13/2024	Average
Laboratory pH	6.6	7.9	8.1	6.6	7.2	7.3
Sp. Conductance (µS/cm @ 25°C)	15.0	16.6	16.8	16.3	18.2	16.6
Apparent Color (mg/L Pt-Co)	35.8	46.6	53.8	61.0	57.4	50.9
CDOM (µg/L)	124.3	120.2	153.5	218.1	183.1	159.8
Chlorophyll-a (µg/L)	1.6	1.5	1.6	3.2	4.8	2.6
Transparency (m)	4.2	3.2	2.5	2.8	2.7	3.0
Alkalinity (mg/L as CaCO ₃)	4.8	6.2	5.4	5.7	5.8	5.6
Chloride (mg/L)	BDL	BDL	0.7	BDL	0.6	BDL
Sulfate (mg/L as SO ₄)	1.4	1.6	1.2	1.2	1.2	1.3
Total Phosphorus (µg/L as P)	7.2	8.0	7.6	9.1	6.8	7.7
Nitrate-Nitrite (µg/L as N)	51.5	BDL	BDL	6.8	BDL	13.0
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	233.5	224.0	234.2	231.6	288.2	242.3
Dissolved Organic Carbon (mg/L)	4.1	4.4	5.2	6.8	6.3	5.4
Calcium (mg/L)	1.8	1.8	2.0	2.1	2.1	2.0
Sodium (mg/L)	0.8	0.8	0.8	0.8	0.9	0.8

Fern Lake

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
-------------------------------------	----------------------------	---	-----------------------------------

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

Water Quality Indicator	7/21/2024	8/12/2024	9/12/2024	Average
Laboratory pH	7.8	8.4	8.0	8.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	58.2	57.3	58.4	58.0
Apparent Color (mg/L Pt-Co)	32.3	35.8	25.1	31.1
CDOM ($\mu\text{g}/\text{L}$)	97.3	103.3	91.8	97.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.0	4.1	3.1	3.1
Transparency (m)	3.3	3.3	3.5	3.4
Alkalinity (mg/L as CaCO_3)	18.9	18.8	18.8	18.8
Chloride (mg/L)	4.8	4.2	4.6	4.6
Sulfate (mg/L as SO_4)	1.9	1.5	1.8	1.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.7	8.2	8.9	9.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	424.0	323.4	381.5	376.3
Dissolved Organic Carbon (mg/L)	5.3	4.7	4.8	5.0
Calcium (mg/L)	6.1	5.7	6.0	5.9
Sodium (mg/L)	3.2	3.1	3.3	3.2

Follensby Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Not Significant

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

Water Quality Indicator	5/20/2024	6/17/2024	7/19/2024	8/15/2024	9/12/2024	Average
Laboratory pH	7.0	7.0	6.7	6.7	6.8	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	25.5	25.1	24.3	24.6	25.3	25.0
Apparent Color (mg/L Pt-Co)	10.7	32.3	35.8	28.7	32.3	27.9
CDOM ($\mu\text{g}/\text{L}$)	100.4	86.6	112.1	121.0	137.8	111.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.3	3.1	3.3	2.8	2.9	2.6
Transparency (m)	5.3	3.5	3.7	3.6	3.2	3.8
Alkalinity (mg/L as CaCO_3)	9.3	9.4	9.2	9.2	9.7	9.4
Chloride (mg/L)	BDL	BDL	0.7	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	2.0	2.0	1.7	1.8	1.9	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	3.7	6.6	5.0	4.8	4.1	4.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	160.0	80.8	16.5	8.7	10.8	55.4
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	312.4	298.7	286.4	244.1	247.3	277.8
Dissolved Organic Carbon (mg/L)	4.2	3.8	4.4	4.6	4.5	4.3
Calcium (mg/L)	3.2	3.1	3.3	3.4	3.4	3.3
Sodium (mg/L)	0.8	0.8	0.7	0.7	0.7	0.7

Friends Lake

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

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

Water Quality Indicator	6/17/2024	7/19/2024	8/11/2024	Average
Laboratory pH	6.6	6.7	6.7	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	72.0	72.1	70.7	71.6
Apparent Color (mg/L Pt-Co)	14.3	25.1	21.4	20.3
CDOM ($\mu\text{g}/\text{L}$)	102.9	63.9	94.3	87.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	0.9	1.6	1.2
Transparency (m)	5.5	Not Recorded	4.7	5.1
Alkalinity (mg/L as CaCO_3)	24.3	24.3	23.1	23.9
Chloride (mg/L)	5.6	5.5	5.2	5.4
Sulfate (mg/L as SO_4)	2.9	2.9	2.7	2.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.3	5.8	15.4	9.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	231.7	236.3	218.9	229.0
Dissolved Organic Carbon (mg/L)	3.8	4.0	3.8	3.9
Calcium (mg/L)	9.2	7.3	7.7	8.1
Sodium (mg/L)	3.9	3.8	4.0	3.9

Garnet Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	6/18/2024	7/14/2024	8/13/2024	Average
Laboratory pH	7.1	7.8	7.1	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	28.0	27.4	25.9	27.1
Apparent Color (mg/L Pt-Co)	32.3	57.4	28.7	39.4
CDOM ($\mu\text{g}/\text{L}$)	116.8	115.9	125.1	119.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.7	2.3	2.4	2.1
Transparency (m)	3.3	3.9	4.3	3.8
Alkalinity (mg/L as CaCO_3)	12.7	11.5	11.7	12.0
Chloride (mg/L)	BDL	0.6	BDL	BDL
Sulfate (mg/L as SO_4)	1.6	1.3	1.4	1.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.5	19.5	11.6	14.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	323.7	271.8	261.3	285.6
Dissolved Organic Carbon (mg/L)	4.6	4.4	4.4	4.5
Calcium (mg/L)	3.7	3.1	3.1	3.3
Sodium (mg/L)	0.8	0.7	0.7	0.7

Green Lake

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

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

Water Quality Indicator	6/22/2024	7/19/2024	8/10/2024	Average
Laboratory pH	7.2	7.0	6.3	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	26.7	31.5	32.0	30.1
Apparent Color (mg/L Pt-Co)	17.9	21.5	17.9	19.1
CDOM ($\mu\text{g}/\text{L}$)	60.5	68.9	78.3	69.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.8	1.1	1.3	1.1
Transparency (m)	6.6	6.2	6.7	6.5
Alkalinity (mg/L as CaCO_3)	5.2	6.3	5.8	5.8
Chloride (mg/L)	3.2	3.7	3.7	3.5
Sulfate (mg/L as SO_4)	2.0	2.5	2.2	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	3.8	BDL	4.9	3.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	48.5	27.9	9.5	28.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	269.0	196.4	183.4	216.3
Dissolved Organic Carbon (mg/L)	2.7	2.6	3.1	2.8
Calcium (mg/L)	1.7	2.1	2.2	2.0
Sodium (mg/L)	2.2	2.7	2.9	2.6

Gull Pond

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

Water quality values for Gull Pond during the 2024 sampling season. BDL = below detection limit. VOB = visible on bottom.

Water Quality Indicator	6/22/2024	7/21/2024	8/18/2024	Average
Laboratory pH	6.4	6.8	6.5	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	26.7	25.9	26.2	26.3
Apparent Color (mg/L Pt-Co)	17.9	28.7	21.5	22.7
CDOM ($\mu\text{g}/\text{L}$)	95.9	113.8	82.8	97.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.0	0.5	1.4	1.0
Transparency (m)	5.2	4.5	VOB	4.9
Alkalinity (mg/L as CaCO_3)	7.5	6.7	6.8	7.0
Chloride (mg/L)	2.1	1.9	2.1	2.1
Sulfate (mg/L as SO_4)	2.3	2.2	2.2	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.1	4.7	4.0	4.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	206.5	245.7	199.5	217.2
Dissolved Organic Carbon (mg/L)	3.5	4.0	4.6	4.0
Calcium (mg/L)	2.3	2.3	2.6	2.4
Sodium (mg/L)	1.7	1.5	1.6	1.6

Highlands Forge Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
--------------------------------------	----------------------------	---	--

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

Water Quality Indicator	5/22/2024	6/18/2024	7/15/2024	8/16/2024	9/15/2024	Average
Laboratory pH	7.1	6.7	7.6	7.0	6.7	7.0
Sp. Conductance (µS/cm @ 25°C)	157.0	157.4	162.6	158.9	150.9	157.4
Apparent Color (mg/L Pt-Co)	17.9	35.8	39.4	21.5	21.5	27.2
CDOM (µg/L)	117.0	96.8	102.5	121.1	118.1	111.1
Chlorophyll-a (µg/L)	2.4	0.8	0.7	1.2	1.5	1.3
Transparency (m)	6.2	6.6	5.7	5.2	5.4	5.8
Alkalinity (mg/L as CaCO ₃)	55.4	59.3	51.6	56.6	49.2	54.4
Chloride (mg/L)	15.5	15.7	15.8	14.6	14.3	15.2
Sulfate (mg/L as SO ₄)	2.6	2.7	2.7	2.3	2.2	2.5
Total Phosphorus (µg/L as P)	8.6	5.7	5.8	8.0	6.2	6.9
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	228.7	270.7	249.2	235.0	306.6	258.0
Dissolved Organic Carbon (mg/L)	4.8	5.1	4.7	5.7	5.2	5.1
Calcium (mg/L)	16.5	16.7	14.5	15.1	14.7	15.5
Sodium (mg/L)	11.3	11.9	11.7	10.9	10.9	11.4

Hoel Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values for Hoel Pond during the 2024 sampling season. BDL = below detection limit. NA = No sample due to field error

Water Quality Indicator	7/7/2024	7/19/2024	8/16/2024	Average
Laboratory pH	6.5	6.5	6.9	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	17.4	17.8	16.8	17.3
Apparent Color (mg/L Pt-Co)	39.4	35.8	11.8	29.0
CDOM ($\mu\text{g}/\text{L}$)	56.0	97.9	62.9	72.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	NA	1.8	NA	1.8
Transparency (m)	3.4	4.3	4.4	4.0
Alkalinity (mg/L as CaCO_3)	5.8	4.8	2.6	4.4
Chloride (mg/L)	0.5	0.5	BDL	0.5
Sulfate (mg/L as SO_4)	1.9	1.9	1.9	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.3	13.1	BDL	6.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	34.0	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	277.6	282.5	256.7	272.3
Dissolved Organic Carbon (mg/L)	4.2	4.6	4.1	4.3
Calcium (mg/L)	2.1	1.8	1.8	1.9
Sodium (mg/L)	0.7	0.9	0.7	0.8

Indian Lake - Franklin County

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
-------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	6/22/2024	7/18/2024	8/12/2024	Average
Laboratory pH	6.7	7.0	7.4	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	27.2	26.1	25.4	26.2
Apparent Color (mg/L Pt-Co)	61.0	68.2	93.3	74.2
CDOM ($\mu\text{g}/\text{L}$)	150.9	174.5	203.3	176.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.5	1.1	BDL	1.6
Transparency (m)	2.7	1.9	1.7	2.1
Alkalinity (mg/L as CaCO_3)	11.3	10.0	9.3	10.2
Chloride (mg/L)	0.5	0.7	BDL	0.5
Sulfate (mg/L as SO_4)	1.7	1.4	1.4	1.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.6	12.4	8.4	11.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	367.8	333.2	304.6	335.2
Dissolved Organic Carbon (mg/L)	6.1	6.2	6.7	6.3
Calcium (mg/L)	2.8	2.8	2.7	2.8
Sodium (mg/L)	0.9	0.9	0.9	0.9

Irving Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Low	Not Significant

Water quality values for Irving Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2024	7/19/2024	8/10/2024	Average
Laboratory pH	7.2	6.6	6.5	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	8.0	10.4	10.4	9.6
Apparent Color (mg/L Pt-Co)	28.7	32.3	37.5	32.8
CDOM ($\mu\text{g}/\text{L}$)	103.5	119.3	132.8	118.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.9	0.8	1.6	1.1
Transparency (m)	4.5	4.6	4.2	4.4
Alkalinity (mg/L as CaCO_3)	BDL	3.0	2.7	2.6
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	1.3	1.7	1.5	1.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.0	4.7	5.6	6.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	201.5	244.5	217.5	221.2
Dissolved Organic Carbon (mg/L)	3.1	3.7	4.1	3.6
Calcium (mg/L)	0.5	0.7	0.7	0.6
Sodium (mg/L)	0.5	0.7	0.7	0.6

Kiawassa Lake

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

Water quality values for Kiawassa Lake during the 2024 sampling season. BDL = below detection limit. NA = No sample due to field error

Water Quality Indicator	6/16/2024	7/20/2024	8/13/2024	Average
Laboratory pH	7.2	6.9	6.8	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	69.7	68.4	62.9	67.0
Apparent Color (mg/L Pt-Co)	21.5	17.9	18.2	19.2
CDOM ($\mu\text{g}/\text{L}$)	82.9	97.5	90.5	90.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	NA	1.0	1.0
Transparency (m)	4.9	5.0	4.6	4.8
Alkalinity (mg/L as CaCO_3)	15.0	14.9	9.1	13.0
Chloride (mg/L)	9.1	8.5	7.8	8.5
Sulfate (mg/L as SO_4)	3.6	2.7	3.4	3.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.4	4.6	3.9	5.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	263.1	241.9	312.2	272.4
Dissolved Organic Carbon (mg/L)	4.1	4.5	4.4	4.3
Calcium (mg/L)	5.5	5.2	5.6	5.4
Sodium (mg/L)	5.9	5.7	5.2	5.6

Lake Adirondack

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
-------------------------------------	----------------------------	---	--

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

Water Quality Indicator	6/16/2024	7/16/2024	8/12/2024	Average
Laboratory pH	6.7	6.7	6.5	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	105.5	103.4	99.9	102.9
Apparent Color (mg/L Pt-Co)	21.5	61.0	31.1	37.8
CDOM ($\mu\text{g}/\text{L}$)	120.9	124.8	132.9	126.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.8	12.3	1.8	5.6
Transparency (m)	2.4	1.6	2.5	2.2
Alkalinity (mg/L as CaCO_3)	35.9	32.3	30.1	32.8
Chloride (mg/L)	10.6	10.6	10.4	10.5
Sulfate (mg/L as SO_4)	2.1	2.1	2.0	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	16.2	20.3	11.9	16.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	20.2	BDL	14.0	12.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	51.2	BDL	132.0	69.3
Total Nitrogen ($\mu\text{g}/\text{L}$)	368.2	316.8	424.1	369.7
Dissolved Organic Carbon (mg/L)	5.2	6.0	5.7	5.6
Calcium (mg/L)	14.3	10.7	10.8	11.9
Sodium (mg/L)	7.3	7.0	7.1	7.1

Lake Clear

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

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

Water Quality Indicator	7/15/2024	8/11/2024	9/11/2024	Average
Laboratory pH	6.9	6.7	6.6	6.7
Sp. Conductance (µS/cm @ 25°C)	115.6	114.1	116.3	115.3
Apparent Color (mg/L Pt-Co)	32.3	21.4	32.3	28.6
CDOM (µg/L)	101.2	130.5	114.4	115.3
Chlorophyll-a (µg/L)	1.6	2.1	2.4	2.0
Transparency (m)	4.8	4.3	4.5	4.5
Alkalinity (mg/L as CaCO ₃)	16.1	11.4	16.0	14.5
Chloride (mg/L)	23.8	22.3	23.5	23.2
Sulfate (mg/L as SO ₄)	2.6	2.7	2.8	2.7
Total Phosphorus (µg/L as P)	6.3	7.7	6.4	6.8
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)	248.5	223.9	262.2	244.9
Dissolved Organic Carbon (mg/L)	4.9	4.9	4.8	4.9
Calcium (mg/L)	6.0	5.9	5.9	5.9
Sodium (mg/L)	13.6	13.5	13.8	13.6

Lake Colby

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
--------------------------------------	----------------------------	---	------------------------------------

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

Water Quality Indicator	6/20/2024	8/14/2024	9/12/2024	Average
Laboratory pH	7.0	6.7	6.8	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	264.0	252.0	258.0	258.0
Apparent Color (mg/L Pt-Co)	35.8	43.0	28.7	35.8
CDOM ($\mu\text{g}/\text{L}$)	108.5	121.9	217.9	149.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.6	2.4	2.8	2.3
Transparency (m)	2.9	3.4	3.8	3.4
Alkalinity (mg/L as CaCO_3)	33.3	38.8	35.7	35.9
Chloride (mg/L)	55.4	51.1	49.0	51.8
Sulfate (mg/L as SO_4)	4.9	4.5	4.5	4.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.8	8.3	9.4	8.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	310.9	312.0	301.7	308.2
Dissolved Organic Carbon (mg/L)	5.1	5.6	5.6	5.4
Calcium (mg/L)	14.6	14.8	14.8	14.7
Sodium (mg/L)	31.3	28.8	30.3	30.1

Lake of the Pines

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

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

Water Quality Indicator	6/17/2024	7/19/2024	8/13/2024	Average
Laboratory pH	8.0	7.0	7.9	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	38.5	31.3	30.6	33.5
Apparent Color (mg/L Pt-Co)	53.8	68.2	57.4	59.8
CDOM ($\mu\text{g}/\text{L}$)	145.5	163.2	163.3	157.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	2.5	3.9	2.8
Transparency (m)	3.4	2.3	2.3	2.7
Alkalinity (mg/L as CaCO_3)	12.2	11.4	11.4	11.7
Chloride (mg/L)	1.9	0.9	1.0	1.3
Sulfate (mg/L as SO_4)	2.3	2.3	1.8	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.8	8.0	9.6	8.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	242.6	230.8	256.3	243.2
Dissolved Organic Carbon (mg/L)	4.6	5.3	5.5	5.1
Calcium (mg/L)	4.1	3.5	3.4	3.7
Sodium (mg/L)	2.0	1.4	1.3	1.6

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

Lens Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Not Significant

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

Water Quality Indicator	6/20/2024	7/22/2024	8/12/2024	Average
Laboratory pH	7.5	6.9	7.5	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	12.9	12.7	12.8	12.8
Apparent Color (mg/L Pt-Co)	79.0	104.1	61.0	81.3
CDOM ($\mu\text{g}/\text{L}$)	151.0	170.0	183.2	168.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	4.2	2.4	5.0	3.9
Transparency (m)	1.6	1.1	1.3	1.3
Alkalinity (mg/L as CaCO_3)	3.3	4.0	4.0	3.8
Chloride (mg/L)	0.6	BDL	0.6	0.5
Sulfate (mg/L as SO_4)	1.4	1.2	1.0	1.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	25.8	18.2	21.6	21.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	393.3	345.0	402.5	380.3
Dissolved Organic Carbon (mg/L)	6.6	5.9	8.0	6.9
Calcium (mg/L)	1.0	1.2	1.1	1.1
Sodium (mg/L)	0.6	0.5	0.4	0.5

Little Colby Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Eutrophic	Circumneutral	High	High

Water quality values for Little Colby Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/18/2024	7/13/2024	8/14/2024	Average
Laboratory pH	6.8	6.5	6.6	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	196.9	155.7	160.2	170.9
Apparent Color (mg/L Pt-Co)	122.1	176.0	150.1	149.4
CDOM ($\mu\text{g}/\text{L}$)	243.0	323.5	326.9	297.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	13.3	12.0	30.4	18.6
Transparency (m)	1.8	3.8	4.6	3.4
Alkalinity (mg/L as CaCO_3)	27.6	22.8	24.9	25.1
Chloride (mg/L)	40.1	31.7	30.5	34.1
Sulfate (mg/L as SO_4)	3.5	2.5	2.5	2.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	51.5	30.0	31.0	37.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	11.7	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	48.5	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	439.9	543.1	484.1	489.0
Dissolved Organic Carbon (mg/L)	9.3	14.2	13.0	12.2
Calcium (mg/L)	12.2	9.9	10.4	10.8
Sodium (mg/L)	23.9	18.4	18.3	20.2

Little Long Lake

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

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

Water Quality Indicator	6/15/2024	7/13/2024	8/13/2024	Average
Laboratory pH	8.2	7.7	7.2	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	70.1	69.7	68.5	69.4
Apparent Color (mg/L Pt-Co)	96.9	89.7	89.7	92.1
CDOM ($\mu\text{g}/\text{L}$)	226.1	232.1	260.7	239.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	3.4	4.3	3.2
Transparency (m)	1.6	1.4	1.3	1.4
Alkalinity (mg/L as CaCO_3)	8.5	8.5	9.2	8.7
Chloride (mg/L)	13.8	13.8	12.9	13.5
Sulfate (mg/L as SO_4)	1.9	1.4	1.5	1.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	9.1	8.7	8.5	8.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	7.2	10.1	12.6	10.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	318.4	276.3	356.4	317.0
Dissolved Organic Carbon (mg/L)	7.3	7.3	8.4	7.7
Calcium (mg/L)	3.8	4.2	3.8	3.9
Sodium (mg/L)	8.6	8.8	7.6	8.3

Little Simon Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values for Little Simon Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	5/17/2024	6/21/2024	7/20/2024	8/12/2024	9/12/2024	Average
Laboratory pH	7.2	7.2	6.6	6.9	6.9	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	13.5	13.8	12.4	12.7	13.2	13.1
Apparent Color (mg/L Pt-Co)	14.3	35.8	53.8	63.2	46.6	42.8
CDOM ($\mu\text{g}/\text{L}$)	126.5	115.0	189.0	176.7	157.5	153.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.4	0.7	0.7	0.4	0.7	0.6
Transparency (m)	7.5	4.9	4.4	4.6	4.8	5.2
Alkalinity (mg/L as CaCO_3)	2.9	2.7	BDL	2.6	2.9	2.4
Chloride (mg/L)	BDL	BDL	0.5	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	1.9	2.0	1.3	1.8	1.9	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.2	3.1	4.5	8.3	9.1	5.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	138.0	114.0	75.3	72.1	77.0	95.3
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	263.8	299.3	266.4	259.4	322.7	282.3
Dissolved Organic Carbon (mg/L)	4.0	3.9	5.2	5.9	5.1	4.8
Calcium (mg/L)	1.4	2.2	1.2	1.3	1.3	1.5
Sodium (mg/L)	0.6	3.2	0.5	0.6	0.6	1.1

Long Lake

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

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

Water Quality Indicator	6/18/2024	7/12/2024	8/17/2024	Average
Laboratory pH	6.3	7.1	6.8	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	33.2	33.1	31.0	32.4
Apparent Color (mg/L Pt-Co)	43.0	50.2	56.8	50.0
CDOM ($\mu\text{g}/\text{L}$)	142.0	149.8	201.8	164.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.1	2.1	3.1	2.4
Transparency (m)	3.0	2.6	2.2	2.6
Alkalinity (mg/L as CaCO_3)	4.6	5.3	6.0	5.3
Chloride (mg/L)	4.2	4.5	3.2	3.9
Sulfate (mg/L as SO_4)	2.2	2.0	1.8	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.8	5.6	5.8	5.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	44.4	7.3	16.0	22.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	256.5	228.0	236.1	240.2
Dissolved Organic Carbon (mg/L)	5.3	5.6	6.5	5.8
Calcium (mg/L)	2.8	2.4	2.5	2.6
Sodium (mg/L)	3.0	3.0	2.6	2.9

Long Pond

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
--------------------------------------	----------------------------	---	--

Water quality values for Long Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2024	7/15/2024	8/11/2024	Average
Laboratory pH	6.9	8.3	6.7	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	127.6	132.7	130.1	130.1
Apparent Color (mg/L Pt-Co)	57.4	43.0	28.7	43.0
CDOM ($\mu\text{g}/\text{L}$)	117.0	112.4	139.1	122.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.5	1.3	2.3	1.4
Transparency (m)	3.1	4.2	3.0	3.5
Alkalinity (mg/L as CaCO_3)	58.8	48.8	54.4	54.0
Chloride (mg/L)	8.7	8.5	8.1	8.5
Sulfate (mg/L as SO_4)	2.3	2.2	1.8	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.9	5.9	8.4	7.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	333.8	273.1	268.3	291.7
Dissolved Organic Carbon (mg/L)	5.8	4.9	5.6	5.4
Calcium (mg/L)	16.0	12.9	16.2	15.0
Sodium (mg/L)	8.3	7.1	7.1	7.5

Loon Lake - Franklin County

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

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

North

Water Quality Indicator	6/14/2024	7/19/2024	8/13/2024	Average
Laboratory pH	6.1	6.9	6.9	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	38.0	39.2	38.7	38.6
Apparent Color (mg/L Pt-Co)	25.1	28.7	21.4	25.0
CDOM ($\mu\text{g}/\text{L}$)	66.0	58.2	104.5	76.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	1.8	2.5	2.1
Transparency (m)	4.5	6.5	4.5	5.1
Alkalinity (mg/L as CaCO_3)	12.6	12.6	12.1	12.4
Chloride (mg/L)	2.2	2.6	2.2	2.3
Sulfate (mg/L as SO_4)	2.1	1.9	2.1	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.0	8.7	6.8	7.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	275.3	288.4	293.8	285.8
Dissolved Organic Carbon (mg/L)	3.5	3.5	3.9	3.6
Calcium (mg/L)	4.3	3.8	3.5	3.9
Sodium (mg/L)	1.9	1.9	2.0	1.9

South

Laboratory pH	6.4	6.8	6.8	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	38.1	38.1	38.1	38.1
Apparent Color (mg/L Pt-Co)	25.1	32.3	27.9	28.4
CDOM ($\mu\text{g}/\text{L}$)	53.6	80.1	102.5	78.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	1.2	2.4	1.8
Transparency (m)	4.1	4.5	3.5	4.0
Alkalinity (mg/L as CaCO_3)	13.3	13.9	14.1	13.8
Chloride (mg/L)	2.0	2.4	1.9	2.1
Sulfate (mg/L as SO_4)	2.1	1.8	2.0	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.6	6.8	9.4	7.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	240.2	273.5	264.0	259.2
Dissolved Organic Carbon (mg/L)	3.4	3.8	4.8	4.0
Calcium (mg/L)	3.6	4.1	3.8	3.8
Sodium (mg/L)	1.8	1.8	1.8	1.8

Loon Lake - Warren County

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

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

Water Quality Indicator	6/19/2024	7/19/2024	8/16/2024	Average
Laboratory pH	7.0	6.9	6.8	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	97.6	101.2	101.5	100.1
Apparent Color (mg/L Pt-Co)	39.4	35.8	24.6	33.3
CDOM ($\mu\text{g}/\text{L}$)	116.5	120.9	118.2	118.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.6	1.2	2.0	1.6
Transparency (m)	3.3	4.3	4.3	3.9
Alkalinity (mg/L as CaCO_3)	21.1	21.2	20.4	20.9
Chloride (mg/L)	15.9	16.3	16.0	16.1
Sulfate (mg/L as SO_4)	2.7	2.7	2.4	2.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	12.9	10.8	13.5	12.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	303.1	313.5	305.5	307.4
Dissolved Organic Carbon (mg/L)	4.6	4.8	4.9	4.8
Calcium (mg/L)	7.7	6.8	6.9	7.1
Sodium (mg/L)	11.6	11.0	11.0	11.2

Lower Beaver Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Acidic- threatened	Low	Not Significant

Water quality values for Lower Beaver Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	5/26/2024	7/20/2024	8/16/2024	Average
Laboratory pH	7.7	6.0	6.8	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	14.9	17.5	17.5	16.6
Apparent Color (mg/L Pt-Co)	122.1	255.0	201.6	192.9
CDOM ($\mu\text{g}/\text{L}$)	208.6	350.8	336.0	298.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.8	3.0	2.9	2.2
Transparency (m)	1.3	0.8	1.0	1.0
Alkalinity (mg/L as CaCO_3)	2.7	BDL	BDL	BDL
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	1.6	1.1	1.0	1.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.5	14.8	11.2	11.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	260.5	467.2	399.8	375.8
Dissolved Organic Carbon (mg/L)	7.6	16.8	16.2	13.5
Calcium (mg/L)	1.5	2.0	2.3	2.0
Sodium (mg/L)	0.7	0.7	0.8	0.7

Lower Chateaugay Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	High	Low

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

Water Quality Indicator	5/25/2024	6/21/2024	7/21/2024	8/17/2024	9/15/2024	Average
Laboratory pH	7.0	6.9	6.8	7.1	7.1	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	86.1	90.1	84.7	84.3	74.8	84.0
Apparent Color (mg/L Pt-Co)	43.0	50.2	43.0	40.7	50.2	45.4
CDOM ($\mu\text{g}/\text{L}$)	175.6	154.5	193.8	209.9	206.9	188.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	6.4	3.1	3.8	2.6	2.8	3.7
Transparency (m)	2.3	2.6	3.1	3.2	2.7	2.8
Alkalinity (mg/L as CaCO_3)	30.1	31.8	30.2	29.8	27.9	30.0
Chloride (mg/L)	7.4	7.5	6.2	6.1	4.9	6.4
Sulfate (mg/L as SO_4)	2.8	2.8	1.9	2.4	2.4	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	15.9	11.0	14.5	10.6	6.5	11.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	8.9	19.3	6.3
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	35.1	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	245.3	250.3	252.7	269.2	262.8	256.1
Dissolved Organic Carbon (mg/L)	5.4	5.1	5.7	6.3	6.6	5.8
Calcium (mg/L)	8.6	9.4	8.0	8.8	7.4	8.4
Sodium (mg/L)	5.4	5.6	4.9	4.9	4.0	5.0

Lower Saranac Lake

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

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

Water Quality Indicator	6/14/2024	7/15/2024	8/14/2024	Average
Laboratory pH	6.6	7.7	7.2	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	72.1	56.7	70.3	66.4
Apparent Color (mg/L Pt-Co)	50.2	53.8	43.9	49.3
CDOM ($\mu\text{g}/\text{L}$)	144.1	125.2	167.1	145.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.1	3.7	4.3	3.7
Transparency (m)	2.9	2.6	2.6	2.7
Alkalinity (mg/L as CaCO_3)	12.6	10.8	12.2	11.9
Chloride (mg/L)	11.9	9.3	11.0	10.7
Sulfate (mg/L as SO_4)	2.7	1.9	2.6	2.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.0	8.7	9.4	8.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	259.9	277.4	270.9	269.4
Dissolved Organic Carbon (mg/L)	5.5	5.4	7.1	6.0
Calcium (mg/L)	4.7	4.2	4.7	4.5
Sodium (mg/L)	7.3	5.4	7.0	6.6

Middle Saranac Lake

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

Water quality values for Middle Saranac Lake during the 2024 sampling season. BDL = below detection limit. VOB = visible on bottom.

Deep Hole

Water Quality Indicator	5/20/2024	6/17/2024	7/15/2024	8/14/2024	9/12/2024	Average
Laboratory pH	6.9	7.0	7.1	7.2	6.8	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	61.4	60.9	52.0	61.6	61.7	59.5
Apparent Color (mg/L Pt-Co)	21.5	43.0	43.0	31.1	39.4	35.6
CDOM ($\mu\text{g}/\text{L}$)	121.5	124.0	113.4	148.6	139.0	129.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.5	3.6	3.1	3.8	3.1	3.2
Transparency (m)	2.5	3.0	3.0	2.5	3.3	2.9
Alkalinity (mg/L as CaCO_3)	11.9	11.6	10.6	11.4	11.5	11.4
Chloride (mg/L)	9.4	9.2	8.1	9.0	9.4	9.0
Sulfate (mg/L as SO_4)	2.5	2.4	1.9	2.3	2.5	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	9.1	10.9	8.9	13.1	10.5	10.5
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 ($\mu\text{g}/\text{L}$)	206.5	231.8	272.3	238.8	295.9	249.1
Dissolved Organic Carbon (mg/L)	4.7	4.8	4.5	5.7	5.4	5.0
Calcium (mg/L)	4.1	4.0	3.8	4.2	4.0	4.0
Sodium (mg/L)	6.0	5.9	4.8	5.8	6.0	5.7

Shallow Water

Laboratory pH	7.0	6.9	7.0	7.2	6.9	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	61.5	63.2	61.5	62.1	62.0	62.1
Apparent Color (mg/L Pt-Co)	21.5	43.0	46.6	31.1	39.4	36.3
CDOM ($\mu\text{g}/\text{L}$)	130.0	127.0	133.8	155.2	123.5	133.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.2	3.1	3.2	4.6	2.6	3.1
Transparency (m)	VOB	VOB	2.6	2.5	2.3	2.5
Alkalinity (mg/L as CaCO_3)	11.8	11.4	11.3	11.6	11.4	11.5
Chloride (mg/L)	9.6	9.9	10.1	9.3	9.4	9.6
Sulfate (mg/L as SO_4)	2.5	2.5	2.3	2.4	2.4	2.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.9	12.3	11.6	13.9	10.5	11.2
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 ($\mu\text{g}/\text{L}$)	202.0	228.8	304.2	224.1	282.7	248.4
Dissolved Organic Carbon (mg/L)	4.7	4.7	5.0	5.3	5.4	5.0
Calcium (mg/L)	4.1	4.1	4.4	4.3	4.1	4.2
Sodium (mg/L)	6.1	6.2	6.0	6.0	6.1	6.1

Moody Pond

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

Water quality values for Moody Pond during the 2024 sampling season. BDL = below detection limit. VOB = visible on bottom.

Water Quality Indicator	5/2024	6/29/2024	7/24/2024	8/18/2024	9/11/2024	Average
Laboratory pH		6.6	6.5	6.4	6.7	6.5
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)		98.7	86.0	96.0	96.1	94.2
Apparent Color (mg/L Pt-Co)		25.1	32.3	18.2	32.3	26.9
CDOM ($\mu\text{g}/\text{L}$)		115.3	97.3	126.0	105.0	110.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)		0.9	1.4	2.2	4.0	2.1
Transparency (m)		4.1	3.1	3.2	3.3	3.4
Alkalinity (mg/L as CaCO_3)	No Sample	18.1	16.4	19.4	19.2	18.3
Chloride (mg/L)		16.6	13.6	15.1	15.7	15.3
Sulfate (mg/L as SO_4)		3.8	3.1	3.1	3.1	3.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)		15.9	8.9	9.3	15.3	12.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)		BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)		BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)		360.0	317.5	273.1	413.8	341.1
Dissolved Organic Carbon (mg/L)		4.4	4.2	4.4	4.7	4.4
Calcium (mg/L)		5.9	4.9	5.4	5.2	5.4
Sodium (mg/L)		12.7	10.5	12.2	12.3	11.9

Moss Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Moderate	Not Significant

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

Water Quality Indicator	6/13/2024	7/12/2024	8/10/2024	Average
Laboratory pH	8.1	8.0	7.0	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	22.9	22.6	21.0	22.2
Apparent Color (mg/L Pt-Co)	32.3	46.6	43.9	40.9
CDOM ($\mu\text{g}/\text{L}$)	147.0	149.5	197.6	164.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	1.0	1.4	1.2
Transparency (m)	3.9	3.0	2.5	3.1
Alkalinity (mg/L as CaCO_3)	6.7	6.0	6.0	6.2
Chloride (mg/L)	0.8	1.0	BDL	0.8
Sulfate (mg/L as SO_4)	2.3	2.1	2.0	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	9.6	5.1	7.8	7.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	58.4	41.6	27.7	42.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	340.6	303.8	260.6	301.7
Dissolved Organic Carbon (mg/L)	5.2	5.2	6.2	5.5
Calcium (mg/L)	2.3	2.4	2.3	2.3
Sodium (mg/L)	1.1	1.1	1.1	1.1

Mountain Pond

Trophic State Eutrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Moderate
-----------------------------------	---------------------------------	---	--

Water quality values for Mountain View Lake during the 2024 sampling season. BDL = below detection limit. NA = No sample due to field error

Water Quality Indicator	6/18/2024	7/12/2024	8/13/2024	Average
Laboratory pH	7.0	6.4	6.9	6.8
Sp. Conductance (µS/cm @ 25°C)	155.2	146.5	137.4	146.4
Apparent Color (mg/L Pt-Co)	104.1	107.7	82.5	98.1
CDOM (µg/L)	197.5	199.6	236.6	211.2
Chlorophyll-a (µg/L)	NA	10.7	6.0	8.4
Transparency (m)	1.9	1.4	1.2	1.5
Alkalinity (mg/L as CaCO ₃)	6.9	6.2	5.3	6.1
Chloride (mg/L)	38.7	37.8	32.7	36.4
Sulfate (mg/L as SO ₄)	2.5	2.2	2.1	2.2
Total Phosphorus (µg/L as P)	13.5	15.4	14.8	14.6
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)	327.1	352.8	387.8	355.9
Dissolved Organic Carbon (mg/L)	8.7	7.9	9.1	8.6
Calcium (mg/L)	4.1	3.4	3.2	3.6

Mountain View Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	6/22/2024	7/18/2024	8/12/2024	Average
Laboratory pH	6.4	6.9	7.1	6.8
Sp. Conductance (µS/cm @ 25°C)	59.4	32.3	31.6	41.1
Apparent Color (mg/L Pt-Co)	125.7	193.9	154.4	158.0
CDOM (µg/L)	232.7	332.9	339.8	301.8
Chlorophyll-a (µg/L)	1.8	BDL	0.4	0.8
Transparency (m)	1.4	0.8	0.9	1.1
Alkalinity (mg/L as CaCO ₃)	28.2	12.2	12.8	17.7
Chloride (mg/L)	0.6	0.8	BDL	0.6
Sulfate (mg/L as SO ₄)	2.3	1.2	1.5	1.7
Total Phosphorus (µg/L as P)	26.3	25.4	20.0	23.9
Nitrate-Nitrite (µg/L as N)	11.5	17.5	23.8	17.6
Ammonia (µg/L as NH ₃ -N)	42.0	72.6	47.4	54.0
Total Nitrogen (µg/L)	330.0	496.2	461.1	429.1
Dissolved Organic Carbon (mg/L)	6.7	12.8	12.7	10.7
Calcium (mg/L)	7.1	4.3	4.1	5.2
Sodium (mg/L)	1.3	0.8	1.0	1.0

Osgood Pond

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

Water quality values for Osgood Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/18/2024	7/18/2024	8/14/2024	Average
Laboratory pH	6.8	7.6	6.8	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	72.1	72.1	71.2	71.8
Apparent Color (mg/L Pt-Co)	75.4	75.4	60.0	70.2
CDOM ($\mu\text{g}/\text{L}$)	172.2	168.2	210.6	183.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.2	2.8	4.8	3.6
Transparency (m)	2.4	2.3	2.1	2.3
Alkalinity (mg/L as CaCO_3)	16.4	16.6	17.2	16.7
Chloride (mg/L)	8.7	9.3	8.3	8.8
Sulfate (mg/L as SO_4)	3.6	3.2	3.0	3.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.1	11.4	10.2	11.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	317.6	318.6	312.2	316.1
Dissolved Organic Carbon (mg/L)	6.5	6.5	7.6	6.9
Calcium (mg/L)	5.7	5.9	6.2	6.0
Sodium (mg/L)	4.9	4.8	4.7	4.8

Paradox Lake

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

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

Lower

Water Quality Indicator	5/25/2024	6/19/2024	7/14/2024	8/2024	9/7/2024	Average
Laboratory pH	7.9	6.9	7.7		6.5	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	53.7	65.3	66.3		65.5	62.7
Apparent Color (mg/L Pt-Co)	21.5	14.3	25.1		24.6	21.4
CDOM ($\mu\text{g}/\text{L}$)	91.1	75.6	101.1		137.7	101.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	0.7	0.8		3.0	1.4
Transparency (m)	4.3	Not Recorded	4.8		5.6	4.9
Alkalinity (mg/L as CaCO_3)	19.2	22.7	22.6	No Sample	22.6	21.8
Chloride (mg/L)	4.3	5.1	5.6		5.0	5.0
Sulfate (mg/L as SO_4)	2.1	2.5	2.2		1.9	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.3	3.6	4.6		5.3	4.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL		BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL		BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	BDL	194.7	206.0		219.2	191.6
Dissolved Organic Carbon (mg/L)	3.4	3.7	3.5		4.6	3.8
Calcium (mg/L)	7.5	6.9	7.0		6.7	7.0
Sodium (mg/L)	3.5	4.4	4.3		4.2	4.1

Upper

	5/25/2024	6/19/2024	7/20/2024	8/15/2024	9/12/2024	Average
Laboratory pH	6.5	6.9	6.6	7.2	7.2	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	60.4	74.0	72.5	72.9	75.6	71.1
Apparent Color (mg/L Pt-Co)	32.3	32.3	39.4	35.8	28.7	33.7
CDOM ($\mu\text{g}/\text{L}$)	110.1	122.1	162.7	133.1	122.1	130.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.0	1.3	0.8	1.5	0.4	1.0
Transparency (m)	4.9	4.5	3.9	3.6	4.8	4.3
Alkalinity (mg/L as CaCO_3)	21.8	29.2	26.7	26.1	28.7	26.5
Chloride (mg/L)	4.7	5.0	4.7	4.4	4.5	4.7
Sulfate (mg/L as SO_4)	2.3	2.2	2.1	1.9	1.9	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.3	6.2	6.6	5.9	5.0	5.6
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 ($\mu\text{g}/\text{L}$)	183.5	214.2	238.0	208.4	233.1	215.4
Dissolved Organic Carbon (mg/L)	3.7	4.0	4.6	4.6	4.4	4.3
Calcium (mg/L)	8.9	8.7	8.4	8.9	9.1	8.8
Sodium (mg/L)	6.5	6.9	6.6	7.2	7.2	6.9

Inlet

Laboratory pH	8.6	6.8	8.7	7.2	7.0	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	41.0	76.9	74.8	73.6	76.1	68.5
Apparent Color (mg/L Pt-Co)	21.5	32.3	43.0	39.4	28.7	33.0
CDOM ($\mu\text{g}/\text{L}$)	69.5	93.2	159.2	129.8	153.3	121.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.4	2.5	0.8	1.5	0.9	1.4
Transparency (m)	3.0	3.7	3.3	3.2	4.5	3.5
Alkalinity (mg/L as CaCO_3)	16.8	29.8	27.3	26.7	27.9	25.7
Chloride (mg/L)	1.9	5.4	4.9	4.3	4.6	4.2
Sulfate (mg/L as SO_4)	1.0	2.3	2.1	1.9	2.0	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.6	7.1	7.9	7.1	6.8	6.7
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 ($\mu\text{g}/\text{L}$)	BDL	222.3	218.3	218.6	209.0	199.2
Dissolved Organic Carbon (mg/L)	2.5	3.9	4.5	4.6	4.5	4.0
Calcium (mg/L)	6.1	8.9	8.9	9.6	8.8	8.5
Sodium (mg/L)	1.4	4.6	4.1	4.0	3.9	3.6

Channel

Laboratory pH	8.6	6.7	8.7	7.3	7.2	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	64.1	74.8	71.2	74.0	75.4	71.9
Apparent Color (mg/L Pt-Co)	21.5	25.1	46.6	39.4	28.7	32.2
CDOM ($\mu\text{g}/\text{L}$)	86.9	92.1	153.7	136.3	133.3	120.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.0	1.1	1.1	2.1	1.2	1.3
Transparency (m)	3.2	3.7	3.2	3.4	4.1	3.5
Alkalinity (mg/L as CaCO_3)	23.4	28.6	26.2	25.6	28.8	26.5
Chloride (mg/L)	4.6	5.0	4.6	4.5	4.5	4.6
Sulfate (mg/L as SO_4)	2.2	2.3	2.1	1.8	1.9	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.5	5.6	7.2	5.3	6.1	5.7
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 ($\mu\text{g}/\text{L}$)	159.4	197.3	235.5	213.1	244.9	210.0
Dissolved Organic Carbon (mg/L)	3.7	4.0	4.5	4.8	4.5	4.3
Calcium (mg/L)	8.6	8.5	8.5	9.0	8.9	8.7
Sodium (mg/L)	3.7	4.3	3.9	4.0	3.9	4.0

Pine Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	6/18/2024	7/18/2024	8/14/2024	Average
Laboratory pH	7.4	8.0	7.6	7.7
Sp. Conductance (µS/cm @ 25°C)	11.3	12.2	12.1	11.9
Apparent Color (mg/L Pt-Co)	25.1	35.8	25.1	28.7
CDOM (µg/L)	103.8	88.2	113.0	101.7
Chlorophyll-a (µg/L)	2.3	1.2	1.4	1.6
Transparency (m)	3.8	5.0	5.3	4.7
Alkalinity (mg/L as CaCO ₃)	3.0	3.3	3.3	3.2
Chloride (mg/L)	0.6	0.5	0.6	0.5
Sulfate (mg/L as SO ₄)	1.7	1.7	1.5	1.7
Total Phosphorus (µg/L as P)	7.5	5.8	6.2	6.5
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	40.6	BDL
Total Nitrogen (µg/L)	240.1	227.4	213.4	227.0
Dissolved Organic Carbon (mg/L)	3.7	3.6	4.3	3.9
Calcium (mg/L)	0.9	1.1	1.0	1.0
Sodium (mg/L)	0.6	0.7	0.7	0.7

Pleasant Lake

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

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

Water Quality Indicator	6/2024	7/19/2024	8/11/2024	Average
Laboratory pH		6.9	6.4	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)		15.0	14.2	14.6
Apparent Color (mg/L Pt-Co)		17.9	17.9	17.9
CDOM ($\mu\text{g}/\text{L}$)		55.1	49.2	52.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)		1.2	3.0	2.1
Transparency (m)		Not Recorded	3.7	3.7
Alkalinity (mg/L as CaCO_3)	No Sample	5.0	3.8	4.4
Chloride (mg/L)		1.4	1.4	1.4
Sulfate (mg/L as SO_4)		0.6	0.5	0.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)		9.0	13.3	11.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)		BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)		BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)		387.0	276.0	331.5
Dissolved Organic Carbon (mg/L)		4.1	4.0	4.0
Calcium (mg/L)		1.4	1.3	1.4
Sodium (mg/L)		0.9	0.8	0.9

Ragged Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Not Significant

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

Main

Water Quality Indicator	5/28/2024	8/16/2024	10/14/2024	Average
Laboratory pH	7.4	6.7	6.4	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	18.5	20.6	22.8	20.6
Apparent Color (mg/L Pt-Co)	104.1	175.8	143.6	141.2
CDOM ($\mu\text{g}/\text{L}$)	260.5	395.6	359.5	338.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.3	5.1	3.2	3.9
Transparency (m)	1.6	1.0	1.1	1.2
Alkalinity (mg/L as CaCO_3)	5.5	3.8	6.4	5.2
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	1.4	0.9	1.3	1.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	14.9	12.2	17.5	14.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	6.8	BDL	14.7	8.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	51.7	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	329.4	430.3	454.0	404.6
Dissolved Organic Carbon (mg/L)	8.8	15.9	12.7	12.5
Calcium (mg/L)	2.0	2.8	2.7	2.5
Sodium (mg/L)	0.8	0.8	0.9	0.8

Upper

Laboratory pH	7.3	6.4	6.5	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	18.6	20.4	23.3	20.8
Apparent Color (mg/L Pt-Co)	125.7	233.7	161.6	173.7
CDOM ($\mu\text{g}/\text{L}$)	266.9	428.4	354.9	350.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.6	2.2	2.5	2.8
Transparency (m)	1.4	0.9	0.9	1.1
Alkalinity (mg/L as CaCO_3)	4.8	BDL	6.6	3.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	1.4	0.8	1.2	1.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	21.0	20.1	18.1	19.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	13.3	6.7
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	77.5	40.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	330.2	466.1	472.9	423.1
Dissolved Organic Carbon (mg/L)	9.2	17.8	13.4	13.4
Calcium (mg/L)	2.0	2.8	2.8	2.5
Sodium (mg/L)	0.8	0.7	0.9	0.8

Raquette Lake

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

Water quality values for Raquette Lake during the 2024 sampling season. BDL = below detection limit. NA = no sample due to field error. VOB = visible on bottom

Deep Hole

Water Quality Indicator	5/26/2024	6/19/2024	7/14/2024	8/11/2024	9/14/2024	Average
Laboratory pH	6.6	7.2	7.5	7.0	7.4	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	34.2	34.9	34.6	45.6	35.7	37.0
Apparent Color (mg/L Pt-Co)	57.4	46.6	57.4	93.3	46.6	60.3
CDOM ($\mu\text{g}/\text{L}$)	176.9	161.8	157.6	255.4	157.9	181.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	NA	2.1	1.9	3.4	4.4	3.0
Transparency (m)	2.8	3.0	2.9	2.5	2.8	2.8
Alkalinity (mg/L as CaCO_3)	5.1	5.5	5.0	7.3	5.9	5.7
Chloride (mg/L)	4.8	4.8	4.9	6.4	4.6	5.1
Sulfate (mg/L as SO_4)	2.0	2.1	1.8	1.6	1.9	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.6	6.5	4.3	11.3	16.6	8.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	33.6	32.8	9.5	BDL	BDL	16.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	245.5	331.9	270.6	324.0	306.2	295.6
Dissolved Organic Carbon (mg/L)	6.0	6.1	5.7	9.0	6.4	6.6
Calcium (mg/L)	2.3	2.3	2.4	2.8	2.3	2.4
Sodium (mg/L)	3.2	3.4	3.3	4.7	3.4	3.6

Lonesome Bay

Laboratory pH	6.6	7.0	7.6	7.2	7.4	7.1
Sp. Conductance (µS/cm @ 25°C)	35.3	36.7	37.9	38.0	42.3	38.0
Apparent Color (mg/L Pt-Co)	57.4	57.4	82.5	64.6	53.8	63.1
CDOM (µg/L)	179.6	193.5	175.0	196.5	175.5	184.0
Chlorophyll-a (µg/L)	NA	3.2	3.1	3.7	2.7	3.2
Transparency (m)	VOB	VOB	VOB	VOB	VOB	VOB
Alkalinity (mg/L as CaCO ₃)	5.1	6.2	5.6	6.1	7.0	6.0
Chloride (mg/L)	5.1	5.2	5.6	4.8	6.0	5.3
Sulfate (mg/L as SO ₄)	2.0	2.1	1.9	1.9	1.9	2.0
Total Phosphorus (µg/L as P)	5.0	5.7	7.1	9.6	8.7	7.2
Nitrate-Nitrite (µg/L as N)	32.5	34.9	BDL	6.4	BDL	16.3
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	32.7	32.2	BDL
Total Nitrogen (µg/L)	243.6	254.4	279.8	310.5	474.8	312.6
Dissolved Organic Carbon (mg/L)	6.0	5.9	6.0	6.9	7.5	6.4
Calcium (mg/L)	2.3	2.4	2.5	2.5	2.5	2.4
Sodium (mg/L)	3.2	3.4	3.3	4.7	3.4	3.6

Treatment

Laboratory pH	6.6	7.0	7.6	7.1	7.3	7.1
Sp. Conductance (µS/cm @ 25°C)	33.5	38.8	39.4	34.3	40.9	37.4
Apparent Color (mg/L Pt-Co)	64.6	68.2	64.6	46.6	61.0	61.0
CDOM (µg/L)	203.4	201.1	208.7	169.7	194.2	195.4
Chlorophyll-a (µg/L)	NA	9.2	4.6	5.5	5.0	6.1
Transparency (m)	2.1	VOB	1.3	1.6	1.3	1.6
Alkalinity (mg/L as CaCO ₃)	4.7	6.4	6.6	5.6	7.0	6.1
Chloride (mg/L)	4.6	5.5	5.5	4.2	5.7	5.1
Sulfate (mg/L as SO ₄)	2.0	1.9	1.7	2.0	1.9	1.9
Total Phosphorus (µg/L as P)	5.1	20.2	11.0	6.3	10.3	10.6
Nitrate-Nitrite (µg/L as N)	36.8	25.0	BDL	10.1	BDL	15.4
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	35.6	BDL
Total Nitrogen (µg/L)	240.6	346.2	264.6	348.0	370.3	313.9
Dissolved Organic Carbon (mg/L)	6.2	6.5	6.7	6.2	7.1	6.6
Calcium (mg/L)	2.3	2.5	2.7	2.2	2.9	2.5
Sodium (mg/L)	3.2	4.0	3.8	3.1	4.1	3.6

Rich Lake

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

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

Water Quality Indicator	6/17/2024	7/16/2024	9/6/2024	Average
Laboratory pH	6.4	6.3	6.8	6.5
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	41.3	41.4	40.5	41.1
Apparent Color (mg/L Pt-Co)	46.6	68.2	50.4	55.1
CDOM ($\mu\text{g}/\text{L}$)	174.0	217.7	234.6	208.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.7	BDL	3.3	1.7
Transparency (m)	3.3	3.9	2.4	3.2
Alkalinity (mg/L as CaCO_3)	8.7	10.1	9.4	9.4
Chloride (mg/L)	4.8	4.3	4.0	4.4
Sulfate (mg/L as SO_4)	2.2	2.1	1.9	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.8	9.3	8.5	8.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	43.1	30.8	27.6	33.8
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	36.9	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	300.7	322.9	335.2	319.6
Dissolved Organic Carbon (mg/L)	5.3	6.2	7.2	6.2
Calcium (mg/L)	4.1	3.6	3.6	3.8
Sodium (mg/L)	3.4	3.0	3.0	3.1

Silver Lake

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

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

Water Quality Indicator	6/16/2024	7/12/2024	8/14/2024	Average
Laboratory pH	6.6	7.8	6.8	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	52.6	52.6	52.0	52.4
Apparent Color (mg/L Pt-Co)	17.9	21.5	15.0	18.1
CDOM ($\mu\text{g}/\text{L}$)	55.4	54.7	64.3	58.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.9	0.9	1.1	1.0
Transparency (m)	6.0	5.4	5.2	5.5
Alkalinity (mg/L as CaCO_3)	14.6	14.1	13.6	14.1
Chloride (mg/L)	5.0	5.3	4.6	5.0
Sulfate (mg/L as SO_4)	3.1	2.9	3.0	3.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.5	5.2	5.0	5.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	320.7	222.7	228.0	257.1
Dissolved Organic Carbon (mg/L)	4.2	4.1	4.5	4.3
Calcium (mg/L)	5.1	4.6	4.4	4.7
Sodium (mg/L)	3.2	3.2	3.2	3.2

Simon Pond

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

Water quality values for Simon Pond during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	6/17/2024	7/19/2024	8/13/2024	Average
Laboratory pH	7.2	6.4	6.4	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	28.7	24.9	27.3	27.0
Apparent Color (mg/L Pt-Co)	50.2	96.9	37.5	61.5
CDOM ($\mu\text{g}/\text{L}$)	140.4	210.1	201.1	183.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	5.6	4.0	2.3	4.0
Transparency (m)	2.4	2.3	1.7	2.1
Alkalinity (mg/L as CaCO_3)	6.9	6.0	2.8	5.2
Chloride (mg/L)	2.6	2.0	2.2	2.3
Sulfate (mg/L as SO_4)	2.2	1.8	1.9	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.1	5.4	5.1	6.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	41.3	11.6	12.9	21.9
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	34.0	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	287.5	302.8	318.0	302.8
Dissolved Organic Carbon (mg/L)	5.0	7.1	6.1	6.1
Calcium (mg/L)	3.0	2.3	2.5	2.6
Sodium (mg/L)	2.1	1.7	2.0	1.9

Split Rock Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	5/25/2024	7/19/2024	8/16/2024	Average
Laboratory pH	6.7	6.2	6.6	6.5
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	13.8	13.2	13.3	13.4
Apparent Color (mg/L Pt-Co)	28.7	28.7	15.0	24.1
CDOM ($\mu\text{g}/\text{L}$)	75.4	84.6	77.0	79.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.0	0.9	1.3	1.1
Transparency (m)	8.2	5.1	6.1	6.4
Alkalinity (mg/L as CaCO_3)	3.7	4.2	3.6	3.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO_4)	1.6	1.8	1.6	1.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	3.4	4.8	4.4	4.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	22.9	BDL	BDL	7.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	175.1	216.2	205.0	198.8
Dissolved Organic Carbon (mg/L)	3.0	3.6	3.7	3.4
Calcium (mg/L)	1.3	1.3	1.3	1.3
Sodium (mg/L)	0.6	0.6	0.6	0.6

Star Lake

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

Water quality values for Star Lake during the 2024 sampling season. BDL = below detection limit. NA = no sample due to field error

Water Quality Indicator	6/20/2024	7/18/2024	8/18/2024	Average
Laboratory pH	7.0	6.9	6.9	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	70.8	69.3	67.6	69.2
Apparent Color (mg/L Pt-Co)	0.0	7.1	10.7	5.9
CDOM ($\mu\text{g}/\text{L}$)	24.2	26.4	37.3	29.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	NA	0.6	2.6	1.6
Transparency (m)	6.3	7.4	7.6	7.1
Alkalinity (mg/L as CaCO_3)	13.2	12.9	12.4	12.8
Chloride (mg/L)	12.2	11.7	12.5	12.1
Sulfate (mg/L as SO_4)	2.0	2.0	BDL	1.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.6	6.2	5.4	6.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	9.0	10.6	BDL	8.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	261.2	273.4	247.8	260.8
Dissolved Organic Carbon (mg/L)	3.9	3.4	3.2	3.5
Calcium (mg/L)	3.9	4.0	4.0	4.0
Sodium (mg/L)	7.9	7.8	7.6	7.7

Stony Creek Ponds

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

Water quality values for Stony Creek Ponds during the 2024 sampling season. BDL = below detection limit.

Water Quality Indicator	5/18/2024	6/16/2024	7/20/2024	8/2024	9/13/2024	Average
Laboratory pH	7.1	6.8	6.9		6.8	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	43.9	44.8	37.6		38.1	41.1
Apparent Color (mg/L Pt-Co)	28.7	43.0	64.6		53.8	47.5
CDOM ($\mu\text{g}/\text{L}$)	133.9	104.8	178.0		125.5	135.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.9	1.4	3.9		2.6	3.0
Transparency (m)	2.8	9.5	3.7		3.0	4.7
Alkalinity (mg/L as CaCO_3)	10.3	10.9	9.2	No Sample	10.1	10.1
Chloride (mg/L)	5.0	4.7	3.9		3.2	4.2
Sulfate (mg/L as SO_4)	2.4	2.6	1.7		2.3	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.4	7.3	8.6		7.8	7.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	51.0	BDL	BDL		BDL	13.4
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL		BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	253.8	218.6	245.1		269.1	246.7
Dissolved Organic Carbon (mg/L)	4.1	4.2	5.8		5.6	4.9
Calcium (mg/L)	3.8	4.5	3.6		3.7	3.9
Sodium (mg/L)	2.7	3.3	2.2		2.2	2.6

Thirteenth Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	---	---

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

Water Quality Indicator	6/16/2024	7/16/2024	8/14/2024	Average
Laboratory pH	6.8	7.1	6.5	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	22.1	23.0	22.7	22.6
Apparent Color (mg/L Pt-Co)	21.5	39.4	27.9	29.6
CDOM ($\mu\text{g}/\text{L}$)	108.8	102.4	112.2	107.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.6	1.2	2.5	1.4
Transparency (m)	5.2	4.9	4.5	4.9
Alkalinity (mg/L as CaCO_3)	7.9	8.4	7.4	7.9
Chloride (mg/L)	0.8	0.8	0.7	0.8
Sulfate (mg/L as SO_4)	1.9	1.9	1.7	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.0	3.1	5.2	6.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	193.8	190.6	169.5	184.6
Dissolved Organic Carbon (mg/L)	3.6	3.5	4.1	3.8
Calcium (mg/L)	2.9	2.3	2.4	2.5
Sodium (mg/L)	0.9	0.9	1.0	0.9

Tripp Lake

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

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

Water Quality Indicator	6/16/2024	7/15/2024	8/11/2024	Average
Laboratory pH	6.4	6.8	6.7	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	96.7	108.3	109.8	104.9
Apparent Color (mg/L Pt-Co)	21.5	39.4	43.0	34.6
CDOM ($\mu\text{g}/\text{L}$)	105.8	100.4	112.4	106.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.4	2.4	2.5	2.1
Transparency (m)	3.5	3.5	3.0	3.3
Alkalinity (mg/L as CaCO_3)	25.6	27.0	27.7	26.8
Chloride (mg/L)	12.9	14.4	14.0	13.8
Sulfate (mg/L as SO_4)	2.7	2.7	2.2	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.9	4.3	7.8	6.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	293.5	262.9	288.9	281.8
Dissolved Organic Carbon (mg/L)	4.1	4.0	4.2	4.1
Calcium (mg/L)	9.6	9.0	9.7	9.4
Sodium (mg/L)	9.3	9.3	9.5	9.4

Trout Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
--------------------------------------	----------------------------	---	-----------------------------------

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

Water Quality Indicator	6/19/2024	7/20/2024	8/15/2024	Average
Laboratory pH	6.9	7.0	6.7	6.8
Sp. Conductance (µS/cm @ 25°C)	96.6	97.3	99.1	97.7
Apparent Color (mg/L Pt-Co)	25.1	28.7	21.5	25.1
CDOM (µg/L)	95.8	69.4	96.4	87.2
Chlorophyll-a (µg/L)	1.3	0.5	1.5	1.1
Transparency (m)	4.9	4.6	5.1	4.9
Alkalinity (mg/L as CaCO ₃)	27.1	25.3	24.9	25.8
Chloride (mg/L)	11.7	12.0	11.7	11.8
Sulfate (mg/L as SO ₄)	3.2	3.2	2.8	3.1
Total Phosphorus (µg/L as P)	6.4	5.5	5.1	5.6
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)	227.7	194.6	185.2	202.5
Dissolved Organic Carbon (mg/L)	3.6	3.7	4.0	3.8
Calcium (mg/L)	9.3	8.6	8.8	8.9
Sodium (mg/L)	8.0	7.9	8.4	8.1

Tupper Lake

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

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

Water Quality Indicator	6/17/2024	7/19/2024	8/13/2024	Average
Laboratory pH	7.3	6.4	6.4	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	32.2	28.2	27.9	29.4
Apparent Color (mg/L Pt-Co)	64.6	75.4	40.7	60.2
CDOM ($\mu\text{g}/\text{L}$)	165.4	202.7	208.0	192.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.3	2.8	1.6	2.2
Transparency (m)	2.7	2.0	2.2	2.3
Alkalinity (mg/L as CaCO_3)	6.7	5.9	BDL	4.2
Chloride (mg/L)	3.4	2.7	2.5	2.8
Sulfate (mg/L as SO_4)	2.1	1.8	1.8	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	9.9	8.0	4.9	7.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	56.7	36.3	34.5	42.5
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	45.0	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	350.1	348.4	332.3	343.6
Dissolved Organic Carbon (mg/L)	5.7	6.6	6.8	6.4
Calcium (mg/L)	2.7	2.3	2.6	2.5
Sodium (mg/L)	2.6	2.1	2.2	2.3

Twitchell Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Low	Road Salt Influence Not Significant
--------------------------------------	---------------------------------	--	---

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

Water Quality Indicator	6/19/2024	7/14/2024	8/18/2024	Average
Laboratory pH	6.6	7.3	7.4	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	11.4	12.6	10.9	11.6
Apparent Color (mg/L Pt-Co)	53.8	57.4	68.2	59.8
CDOM ($\mu\text{g}/\text{L}$)	168.4	202.9	226.1	199.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.2	BDL	BDL	BDL
Transparency (m)	2.1	1.9	1.4	1.8
Alkalinity (mg/L as CaCO_3)	2.8	BDL	BDL	BDL
Chloride (mg/L)	BDL	0.9	BDL	0.5
Sulfate (mg/L as SO_4)	1.6	1.2	1.2	1.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	11.7	15.1	9.1	12.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	262.5	424.8	218.5	301.9
Dissolved Organic Carbon (mg/L)	4.8	6.7	6.9	6.1
Calcium (mg/L)	1.6	1.1	1.0	1.2
Sodium (mg/L)	0.7	0.8	0.6	0.7

Upper Chateaugay Lake

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

Water quality values for Upper Chateaugay Lake during the 2024 sampling season. BDL = below detection limit. VOB = visible on bottom.

Deep hole- Indian Point

Water Quality Indicator	5/25/2024	6/21/2024	7/21/2024	8/17/2024	9/15/2024	Average
Laboratory pH	7.2	6.8	6.5	6.6	7.4	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	71.9	74.1	65.3	72.6	74.9	71.8
Apparent Color (mg/L Pt-Co)	35.8	43.0	57.4	53.6	50.2	48.0
CDOM ($\mu\text{g}/\text{L}$)	174.0	162.0	215.2	233.2	65.7	170.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.8	5.0	3.1	2.5	2.2	3.1
Transparency (m)	2.7	2.9	2.5	2.8	3.1	2.8
Alkalinity (mg/L as CaCO_3)	25.8	27.0	24.8	25.6	28.1	26.3
Chloride (mg/L)	5.6	5.5	4.8	4.7	5.0	5.1
Sulfate (mg/L as SO_4)	2.6	2.6	1.8	2.3	2.3	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.0	9.3	11.4	8.7	7.6	9.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	8.7	19.6	6.9
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	219.9	261.8	267.0	296.4	299.5	268.9
Dissolved Organic Carbon (mg/L)	5.5	5.7	6.5	7.5	6.8	6.4
Calcium (mg/L)	7.2	8.0	7.1	7.5	7.6	7.5
Sodium (mg/L)	4.2	4.2	3.8	3.8	4.0	4.0

Sand Bar

Laboratory pH	7.3	6.7	6.6	6.7	7.3	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	72.1	74.5	74.7	73.5	89.8	76.9
Apparent Color (mg/L Pt-Co)	39.4	53.8	50.2	47.2	53.8	48.9
CDOM ($\mu\text{g}/\text{L}$)	185.8	163.1	209.9	227.7	230.7	203.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.7	3.8	1.8	1.2	3.5	2.4
Transparency (m)	2.5	2.9	3.1	2.9	3.3	3.0
Alkalinity (mg/L as CaCO_3)	25.8	26.5	26.4	25.9	33.4	27.6
Chloride (mg/L)	5.7	5.5	5.1	4.8	6.6	5.5
Sulfate (mg/L as SO_4)	2.6	2.6	1.8	2.2	2.6	2.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.0	8.3	8.9	7.6	10.2	8.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	10.7	BDL	BDL	8.8	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	33.4	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	218.1	290.7	291.3	286.3	301.5	277.6
Dissolved Organic Carbon (mg/L)	5.3	5.7	6.1	7.1	6.2	6.1
Calcium (mg/L)	6.9	8.0	7.3	7.8	8.8	7.8
Sodium (mg/L)	4.0	4.2	4.1	3.9	5.3	4.3

Ouleout Creek

Laboratory pH	7.4	6.7	6.9	7.0	7.4	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	74.2	76.7	75.2	73.2	71.9	74.2
Apparent Color (mg/L Pt-Co)	39.4	53.8	57.4	56.8	50.2	51.5
CDOM ($\mu\text{g}/\text{L}$)	185.5	160.5	212.4	247.3	215.2	204.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	12.7	2.2	2.9	2.1	1.7	4.3
Transparency (m)	2.3	3.0	3.0	VOB	2.9	2.8
Alkalinity (mg/L as CaCO_3)	26.0	27.1	26.8	25.9	27.5	26.7
Chloride (mg/L)	6.1	5.9	6.2	4.8	4.9	5.6
Sulfate (mg/L as SO_4)	2.6	2.6	2.3	2.2	2.3	2.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.7	7.9	9.2	7.1	5.7	8.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	9.0	19.6	7.5
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	239.4	270.1	292.8	269.2	302.2	274.7
Dissolved Organic Carbon (mg/L)	5.5	5.5	6.2	7.2	6.7	6.2
Calcium (mg/L)	7.3	8.0	7.5	7.7	7.6	7.6
Sodium (mg/L)	4.3	4.4	4.0	4.0	4.0	4.1

West Caroga Lake

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

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

Water Quality Indicator	6/15/2024	7/12/2024	8/8/2024	Average
Laboratory pH	7.9	8.0	6.7	7.5
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	98.1	101.7	103.6	101.1
Apparent Color (mg/L Pt-Co)	25.1	28.7	21.4	25.0
CDOM ($\mu\text{g}/\text{L}$)	129.3	113.4	113.9	118.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.4	2.0	1.5	1.6
Transparency (m)	3.7	3.7	3.7	3.7
Alkalinity (mg/L as CaCO_3)	16.2	16.8	16.5	16.5
Chloride (mg/L)	18.2	18.8	19.1	18.7
Sulfate (mg/L as SO_4)	2.4	2.1	2.3	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.5	3.5	4.7	4.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	219.0	203.4	217.0	213.1
Dissolved Organic Carbon (mg/L)	4.1	4.5	4.8	4.5
Calcium (mg/L)	5.6	5.9	6.3	6.0
Sodium (mg/L)	11.7	11.8	11.7	11.7

West Lake

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

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

Water Quality Indicator	6/22/2024	7/19/2024	8/10/2024	Average
Laboratory pH	6.9	7.0	6.4	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	50.5	37.4	59.3	49.1
Apparent Color (mg/L Pt-Co)	50.2	64.6	61.0	58.6
CDOM ($\mu\text{g}/\text{L}$)	127.6	143.7	178.8	150.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.3	1.9	2.6	2.6
Transparency (m)	3.2	2.7	2.2	2.7
Alkalinity (mg/L as CaCO_3)	5.4	4.9	6.8	5.7
Chloride (mg/L)	10.0	7.1	11.2	9.4
Sulfate (mg/L as SO_4)	1.9	1.3	1.6	1.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.6	7.1	9.6	7.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	226.0	196.4	212.6	211.7
Dissolved Organic Carbon (mg/L)	4.6	3.6	5.3	4.5
Calcium (mg/L)	2.0	1.6	2.4	2.0
Sodium (mg/L)	6.5	4.7	7.7	6.3

White Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence High
--------------------------------------	----------------------------	---	------------------------------------

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

Water Quality Indicator	6/14/2024	7/15/2024	8/11/2024	Average
Laboratory pH	7.8	6.9	6.7	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	210.0	210.0	205.0	208.3
Apparent Color (mg/L Pt-Co)	14.3	17.9	18.2	16.8
CDOM ($\mu\text{g}/\text{L}$)	30.6	40.1	50.3	40.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.8	1.2	0.4	0.8
Transparency (m)	5.5	6.4	5.6	5.8
Alkalinity (mg/L as CaCO_3)	19.0	19.2	19.0	19.1
Chloride (mg/L)	48.9	46.7	45.4	47.0
Sulfate (mg/L as SO_4)	3.5	3.4	3.3	3.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.8	4.7	3.5	4.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	36.0	BDL	BDL	15.3
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	239.6	197.5	177.0	204.7
Dissolved Organic Carbon (mg/L)	2.9	3.1	3.2	3.1
Calcium (mg/L)	8.9	8.8	9.2	9.0
Sodium (mg/L)	29.2	28.2	27.4	28.3

Windover Lake

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

Water quality values for Windover Lake during the 2024 sampling season. BDL = below detection limit. NA = no sample due to field error

Water Quality Indicator	6/23/2024	7/21/2024	8/18/2024	Average
Laboratory pH	6.5	7.0	7.0	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	81.6	90.1	73.4	81.7
Apparent Color (mg/L Pt-Co)	71.8	79.0	39.4	63.4
CDOM ($\mu\text{g}/\text{L}$)	159.1	199.7	240.4	199.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	NA	1.0	NA	1.0
Transparency (m)	1.4	1.5	1.7	1.5
Alkalinity (mg/L as CaCO_3)	20.5	21.8	18.6	20.3
Chloride (mg/L)	11.1	12.3	9.3	10.9
Sulfate (mg/L as SO_4)	2.8	2.9	2.5	2.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	14.2	18.7	16.6	16.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	9.1	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	278.1	314.2	244.1	278.8
Dissolved Organic Carbon (mg/L)	6.1	5.4	8.4	6.6
Calcium (mg/L)	6.4	6.4	5.3	6.0
Sodium (mg/L)	8.4	9.1	6.9	8.1

Wolf Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
--------------------------------------	----------------------------	---	---

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

Water Quality Indicator	5/26/2024	6/17/2024	7/19/2024	8/13/2024	9/6/2024	Average
Laboratory pH	6.1	6.8	7.3	7.1	6.9	6.8
Sp. Conductance (µS/cm @ 25°C)	17.1	17.9	18.2	17.7	18.2	17.8
Apparent Color (mg/L Pt-Co)	21.5	28.7	35.8	21.4	15.0	24.5
CDOM (µg/L)	86.8	82.6	92.9	108.1	85.1	91.1
Chlorophyll-a (µg/L)	0.7	0.7	1.0	2.2	1.2	1.2
Transparency (m)	4.0	4.7	4.5	3.0	4.6	4.1
Alkalinity (mg/L as CaCO ₃)	5.4	5.0	5.9	5.5	5.4	5.4
Chloride (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate (mg/L as SO ₄)	2.0	2.1	2.1	1.9	1.9	2.0
Total Phosphorus (µg/L as P)	4.3	5.0	5.3	6.1	3.5	4.8
Nitrate-Nitrite (µg/L as N)	145.0	114.0	60.2	37.0	27.5	76.7
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	33.3	BDL	BDL	BDL
Total Nitrogen (µg/L)	322.0	312.4	359.6	284.7	235.4	302.8
Dissolved Organic Carbon (mg/L)	3.6	3.4	3.8	3.8	3.8	3.7
Calcium (mg/L)	2.1	3.0	2.0	2.1	2.0	2.2
Sodium (mg/L)	0.7	2.1	0.7	0.7	0.7	1.0