Adirondack Lake Assessment Program 2021 Update

In an effort 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 2018: a Citizen Science Lake Program in its 21st Year.*** This report, released in April of 2019, 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.

For additional information, please contact the corresponding author: Brendan Wiltse, Senior Research Scientist. Paul Smith's College Adirondack Watershed Institute. (518) 327-6460. bwiltse@paulsmiths.edu

Recommended citation: Yerger E.C., Hall J.R., Vara C., Treibergs L.A., & Wiltse B. 2021. Adirondack Lake Assessment Program: 2021 Update. Adirondack Watershed Institute, Paul Smiths, NY USA.

Click on the lake name to see the 2021 data

Amber Lake 4
Arbutus Lake 5
Augur Lake 6
Austin Pond 7
Big Moose Lake 8
Blue Mountain Lake 9
Brandreth Lake 11
Butternut Pond 12
Canada Lake 13
Catlin Lake 14
Chase's Lake 15
Chazy Lake 16
Cranberry Lake 18
Deer Pond 19
Eagle Lake 20
East Caroga Lake 21
Eli Pond 22

Fern Lake 23
Garnet Lake 24
Gull Pond 25
Hoel Pond 26
Indian Lake- Franklin County 27
Indian Lake- Hamilton County 28
Jordan Lake 29
Kiwassa Lake 30
Lake Adirondack 31
Lake Clear 32
Lake Colby 33
Lake of the Pines 34
Lake Titus 35
Lens Lake 36
Little Long Lake 37
Long Lake 38
Long Pond 39
Loon Lake- Franklin County 40
Loon Lake- Warren County. 41
Lower Beaver Pond 42
Lower Chateaugay Lake 43
Lower Saranac Lake 44
Middle Saranac Lake 45
Moody Pond 46
Mountain View Lake 47
Osgood Pond 48
Otter Pond 49
Paradox Lake 50
Pine Lake 51
Pleasant Lake 52
Raquette Lake 53
Rich Lake 54
Silver Lake 55
Simon Pond 56

Split Rock Pond 57
Stony Creek Pond 58
Thirteenth Lake 59
Tripp Lake 60
Trout Lake 61
Tupper Lake 62
Twitchell Lake 63
Upper Chateaugay Lake 64
West Caroga Lake 65
White Lake 66
Windover Lake 67
Wolf Lake 68
Zack Pond 69

Amber Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Present - low

Water quality values for Amber Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/23/2021	8/20/2021	Average	Trend
Transparency (m)	2.0	1.9	1.7	1.9	No Trend
Total Phosphorus (µg/L)	20.9	12.3	13.4	15.5	No Trend
Chlorophyll-*a* (µg/L)	4.9	5.4	6.9	5.7	No Trend
Laboratory pH	7.0	6.9	7.5	7.1	No Trend
Sp. Conductance (µS/cm)	32.8	29.9	31.8	31.5	No Trend
Color (Pt-Co)	69.7	66.5	50.4	62.2	No Trend
Alkalinity (mg/L)	9.4	9.1	10.7	9.7	No Trend
Chloride (mg/L)	0.5	BDL	0.6	0.4	Decreasing
Calcium (mg/L)	2.8	3.1	3.2	3.0	Not Analyzed
Sodium (mg/L)	1.2	1.2	1.1	1.2	No Trend

Arbutus Lake

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

Water quality values for Arbutus Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/16/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	3.1	3.3	2.5	3.0	No Trend
Total Phosphorus (µg/L)	6.5	5.0	9.1	6.9	Decreasing
Chlorophyll-*a* (µg/L)	1.3	1.3	2.4	1.6	Decreasing
Laboratory pH	6.9	6.9	7.0	6.9	No Trend
Sp. Conductance (µS/cm)	21.3	19.8	20.4	20.5	Decreasing
Color (Pt-Co)	34.3	34.3	43.9	37.5	No Trend
Alkalinity (mg/L)	5.1	5.8	5.6	5.5	No Trend
Chloride (mg/L)	0.5	0.5	0.6	0.5	No Trend
Calcium (mg/L)	2.1	2.0	2.2	2.1	Not Analyzed
Sodium (mg/L)	0.8	0.7	0.8	0.8	No Trend

Augur Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well Buffered- Not Sensitive	High

Water quality values for Augur Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/26/2021	8/22/2021	Average	Trend
Transparency (m)	2.3	2.1	2.9	2.4	Increasing
Total Phosphorus (µg/L)	16.8	20.2	14.6	17.2	Decreasing
Chlorophyll-*a* (µg/L)	4.5	6.6	7.0	6.0	No Trend
Laboratory pH	8.6	8.0	8.9	8.5	No Trend
Sp. Conductance (µS/cm)	228.0	251.0	233.0	237.3	No Trend
Color (Pt-Co)	21.4	24.6	18.2	21.4	No Trend
Alkalinity (mg/L)	33.1	45.7	40.4	39.7	No Trend
Chloride (mg/L)	53.9	47.4	47.7	49.7	No Trend
Calcium (mg/L)	13.5	15.1	16.1	14.9	Not Analyzed
Sodium (mg/L)	23.0	24.6	25.2	24.3	No Trend

Austin Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Well Buffered- not sensitive	Moderate

Water quality values for Austin Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	7/5/2021	7/31/2021	8/24/2021	Average	Trends
Transparency (m)	2.0	1.3	1.5	1.6	No Trend
Total Phosphorus (µg/L)	16.2	14.5	15.3	15.3	No Trend
Chlorophyll-*a* (µg/L)	3.0	2.3	5.8	3.7	Decreasing
Laboratory pH	6.9	7.1	7.3	7.1	No Trend
Sp. Conductance (µS/cm)	114.6	115.5	107.8	112.6	No Trend
Color (Pt-Co)	43.9	31.1	31.1	35.4	No Trend
Alkalinity (mg/L)	33.1	34.8	33.2	33.7	Decreasing
Chloride (mg/L)	13.7	14.2	13.0	13.6	No Trend
Calcium (mg/L)	11.5	12.0	10.5	11.3	Not Analyzed
Sodium (mg/L)	7.4	7.5	6.2	7.0	No Trend

Big Moose Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Acidic (acceptable)	Moderate	Not Significant

Water quality values for Big Moose Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/12/2021	7/22/2021	8/22/2021	Average	Trends
Transparency (m)	4.4	3.3	3.0	3.6	Decreasing
Total Phosphorus (µg/L)	4.7	5.0	7.8	5.8	Decreasing
Chlorophyll-*a* (µg/L)	1.1	3.2	1.4	1.9	No Trend
Laboratory pH	6.3	6.3	6.5	6.3	Increasing
Sp. Conductance (µS/cm)	14.5	14.6	15.2	14.7	Decreasing
Color (Pt-Co)	47.2	34.3	37.5	39.7	No Trend
Alkalinity (mg/L)	2.0	3.1	4.7	3.2	No Trend
Chloride (mg/L)	0.7	0.7	0.8	0.7	No Trend
Calcium (mg/L)	1.2	1.1	1.4	1.3	Not Analyzed
Sodium (mg/L)	0.7	0.7	0.8	0.7	No Trend

Blue Mountain Lake

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

Water quality values for Blue Mountain Lake during the 2021 sampling season. Historical trend analysis performed on lake wide averages in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit, VOB=Secchi disk is visible on the bottom of the lake.

Water Quality Indicator	5/22/21	6/20/21	7/25/21	8/21/21	9/18/21	Average	Trend
Town Bay							
Transparency (m)	VOB	VOB	VOB	VOB	VOB		No Trend
Total Phosphorus (µg/L)	12.0	4.1	BDL	5.3	5.9	5.8	No Trend
Chlorophyll-*a* (µg/L)	0.5	0.8	1.3	1.7	2.3	1.3	No Trend
Laboratory pH	7.2	7.2	7.3	7.3	7.2	7.2	Increasing
Sp. Conductance (µS/cm)	82.9	103.3	57.4	77.2	70.2	78.2	No Trend
Color (Pt-Co)	8.6	11.8	15.0	18.2	15.0	13.7	No Trend
Alkalinity (mg/L)	7.7	8.6	8.1	8.5	7.2	8.0	No Trend
Chloride (mg/L)	18.1	22.8	19.9	16.4	13.8	18.2	No Trend
Calcium (mg/L)	3.3	3.9	3.7	3.3	3.1	3.5	Not Analyzed
Sodium (mg/L)	10.2	13.3	13.0	9.7	8.7	11.0	No Trend

Water Quality Indicator	5/22/21	6/20/21	7/25/21	8/21/21	9/18/21	Average
East Bay						
Transparency (m)	10.0	8.8	7.9	7.0	6.7	8.1
Total Phosphorus (µg/L)	6.3	3.3	3.6	3.4	4.6	4.2
Chlorophyll-*a* (µg/L)	0.6	0.8	1.1	1.3	No sample	0.9
Laboratory pH	7.1	7.1	7.3	7.1	7.2	7.2
Sp. Conductance (µS/cm)	81.6	70.3	75.1	68.8	65.2	72.2
Color (Pt-Co)	15.0	15.0	11.8	8.6	15.0	13.1
Alkalinity (mg/L)	8.4	6.2	7.4	7.8	6.3	7.2
Chloride (mg/L)	17.4	15.1	15.5	14.7	12.3	15.0
Calcium (mg/L)	3.2	2.7	3.2	3.1	2.8	3.0
Sodium (mg/L)	9.9	8.8	9.5	8.8	7.8	9.0
West Bay						
Transparency (m)	9.5	9.1	7.6	6.7	6.7	7.9
Total Phosphorus (µg/L)	6.0	BDL	BDL	6.3	7.5	4.4
Chlorophyll-*a* (µg/L)	0.5	0.7	1.3	1.0	2.3	1.2
Laboratory pH	7.1	7.1	7.3	7.1	7.4	7.2
Sp. Conductance (µS/cm)	83.3	78.5	99.1	89.9	75.5	85.3
Color (Pt-Co)	11.8	8.6	11.8	8.6	18.2	11.8
Alkalinity (mg/L)	7.7	6.5	9.3	9.1	7.6	8.0
Chloride (mg/L)	17.8	16.8	18.8	19.9	15.4	17.7
Calcium (mg/L)	3.3	3.1	4.1	3.8	3.2	3.5
Sodium (mg/L)	10.2	10.1	12.9	12.0	9.5	10.9
Halsch Bay						
Transparency (m)	VOB	VOB	VOB	VOB	VOB	
Total Phosphorus (µg/L)	6.5	2.3	4.3	4.7	6.0	4.8
Chlorophyll-*a* (µg/L)	No sample	0.7	2.5	1.2	2.3	1.7
Laboratory pH	7.1	7.1	7.5	6.8	7.4	7.2
Sp. Conductance (µS/cm)	81.0	68.2	64.7	85.7	65.2	73.0
Color (Pt-Co)	8.6	5.3	8.6	15.0	15.0	10.5
Alkalinity (mg/L)	7.7	6.2	7.1	8.8	6.6	7.3
Chloride (mg/L)	17.4	13.7	9.9	18.9	13.0	14.6
Calcium (mg/L)	3.3	2.7	3.0	3.7	2.8	3.1
Sodium (mg/L)	10.0	8.2	7.9	11.4	7.9	9.1

Brandreth Lake

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

Water quality values for Brandreth Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/24/2021	8/20/2021	Average	Trend
Transparency (m)	8.1	8.8	7.0	8.0	Decreasing
Total Phosphorus (µg/L)	BDL	6.1	BDL	2.8	No Trend
Chlorophyll-*a* (µg/L)	0.4	0.4	0.8	0.6	No Trend
Laboratory pH	6.5	6.8	6.7	6.6	Increasing
Sp. Conductance (µS/cm)	14.4	14.8	14.4	14.5	Decreasing
Color (Pt-Co)	15.0	15.0	5.3	11.8	No Trend
Alkalinity (mg/L)	2.4	3.5	3.3	3.0	No Trend
Chloride (mg/L)	0.5	BDL	BDL	0.3	No Trend
Calcium (mg/L)	1.2	1.1	1.2	1.2	Not Analyzed
Sodium (mg/L)	0.7	0.7	0.7	0.7	No Trend

Butternut Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well buffered – not sensitive	High

Water quality values and historical trends for Butternut Pond during the 2021 sampling season. Trend analysis will be performed on the next full report. BDL=below detection limit.

Water Quality Indicator	6/16/2021	7/23/2021	8/20/2021	Average	Trend
Transparency (m)	3.4	3.0	3.4	3.2	Not Analyzed
Total Phosphorus (µg/L)	20.6	14.1	8.0	14.2	Not Analyzed
Chlorophyll-*a* (µg/L)	2.3	2.2	2.3	2.3	Not Analyzed
Laboratory pH	8.0	7.9	7.9	7.9	Not Analyzed
Sp. Conductance (µS/cm)	221.0	233.0	241.0	231.7	Not Analyzed
Color (Pt-Co)	27.9	24.6	24.6	25.7	Not Analyzed
Alkalinity (mg/L)	32.2	35.4	37.6	35.1	Not Analyzed
Chloride (mg/L)	43.7	41.4	46.5	43.9	Not Analyzed
Calcium (mg/L)	11.5	12.0	13.1	12.2	Not Analyzed
Sodium (mg/L)	25.0	26.5	28.8	26.8	Not Analyzed

Canada Lake

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

Water quality values for Canada Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/13/2021	7/19/2021	8/16/2021	Average	Trend
Transparency (m)	4.3	3.3	2.8	3.5	No Trend
Total Phosphorus (µg/L)	2.8	3.3	6.3	4.1	No Trend
Chlorophyll-*a* (µg/L)	1.4	2.7	2.9	2.3	No Trend
Laboratory pH	7.1	7.4	6.9	7.1	No Trend
Sp. Conductance (µS/cm)	50.4	47.5	38.8	45.6	No Trend
Color (Pt-Co)	24.6	31.1	31.1	28.9	No Trend
Alkalinity (mg/L)	5.3	6.0	5.2	5.5	No Trend
Chloride (mg/L)	9.0	5.8	7.3	7.4	Increasing
Calcium (mg/L)	1.9	2.4	2.1	2.1	Not Analyzed
Sodium (mg/L)	5.2	5.2	4.4	4.9	No Trend

Catlin Lake

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

Water quality values for Catlin Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	3.2	3.0	2.8	3.0	No Trend
Total Phosphorus (µg/L)	5.7	5.8	9.1	6.9	Decreasing
Chlorophyll-*a* (µg/L)	4.4	3.8	3.2	3.8	No Trend
Laboratory pH	7.0	7.0	6.7	6.9	No Trend
Sp. Conductance (µS/cm)	22.5	23.3	22.5	22.8	Decreasing
Color (Pt-Co)	37.5	37.5	15.0	30.0	No Trend
Alkalinity (mg/L)	6.0	7.9	7.2	7.1	No Trend
Chloride (mg/L)	0.5	0.6	0.7	0.6	No Trend
Calcium (mg/L)	2.3	2.3	2.6	2.4	Not Analyzed
Sodium (mg/L)	1.0	1.0	1.0	1.0	No Trend

Chase's Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Moderate	Present - low

Water quality values and historical trends for Chase's Lake during the 2021 sampling season. Trend analysis will be performed on the next full report. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/25/2021	8/21/2021	Average	Trend
Transparency (m)	3.3	1.9	4.1	3.1	Not Analyzed
Total Phosphorus (µg/L)	4.3	7.8	4.6	5.5	Not Analyzed
Chlorophyll-*a* (µg/L)	2.9	2.9	2.4	2.7	Not Analyzed
Laboratory pH	7.1	6.8	6.9	6.9	Not Analyzed
Sp. Conductance (µS/cm)	26.5	24.6	23.5	24.9	Not Analyzed
Color (Pt-Co)	47.2	60.0	43.9	50.4	Not Analyzed
Alkalinity (mg/L)	7.6	8.0	6.7	7.4	Not Analyzed
Chloride (mg/L)	1.2	0.9	1.1	1.1	Not Analyzed
Calcium (mg/L)	2.5	2.3	2.5	2.4	Not Analyzed
Sodium (mg/L)	1.4	1.2	1.2	1.3	Not Analyzed

Chazy Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Alkaline	Adequate – low sensitivity	Moderate

Water quality values and historical trends for Chazy Lake during the 2021 sampling season. Historical trend analysis performed on lake wide averages in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit. VOB=Secchi disk is visible on the bottom of the lake.

Water Quality Indicator	6/13/2021	7/23/2021	8/10/2021	Average	Trend
Eagle Point					
Transparency (m)	6.6	6.7	5.1	6.1	Decreasing
Total Phosphorus (µg/L)	7.8	4.3	7.6	6.6	No Trend
Chlorophyll-*a* (µg/L)	0.8	0.8	2.6	1.4	No Trend
Laboratory pH	7.6	8.0	8.7	8.1	No Trend
Sp. Conductance (µS/cm)	81.5	85.1	83.8	83.5	No Trend
Color (Pt-Co)	27.9	11.8	15.0	18.2	Increasing
Alkalinity (mg/L)	22.4	23.9	21.8	22.7	No Trend
Chloride (mg/L)	10.6	10.0	10.4	10.4	No Trend
Calcium (mg/L)	6.5	6.7	6.7	6.6	Not Analyzed
Sodium (mg/L)	6.1	6.0	6.5	6.2	No Trend

Chazy Continued

Water Quality Indicator	6/13/2021	7/23/2021	8/10/2021	Average
Halfway Point				
Transparency (m)	5.3	7.0	6.3	6.2
Total Phosphorus (µg/L)	7.4	3.1	8.7	6.4
Chlorophyll-*a* (µg/L)	1.2	0.8	2.1	1.4
Laboratory pH	7.7	8.1	8.0	7.9
Sp. Conductance (µS/cm)	80.9	85.1	84.4	83.5
Color (Pt-Co)	8.6	15.0	15.0	12.9
Alkalinity (mg/L)	22.1	23.6	23.6	23.1
Chloride (mg/L)	10.6	10.0	10.4	10.3
Calcium (mg/L)	6.4	6.7	6.8	6.6
Sodium (mg/L)	6.1	6.0	6.5	6.2
South Inlet				
Transparency (m)	3.0	VOB	4.1	3.6
Total Phosphorus (µg/L)	6.6	5.4	9.9	7.3
Chlorophyll-*a* (µg/L)	1.4	0.7	1.9	1.3
Laboratory pH	8.0	7.7	8.1	7.9
Sp. Conductance (µS/cm)	80.3	85.8	77.2	81.1
Color (Pt-Co)	21.4	21.4	21.4	21.4
Alkalinity (mg/L)	21.9	24.2	21.5	22.5
Chloride (mg/L)	10.5	9.8	9.7	10.0
Calcium (mg/L)	6.5	6.6	5.8	6.3
Sodium (mg/L)	6.0	5.9	5.8	5.9

Cranberry Lake

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

Water quality values for Cranberry Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	3.0	3.3	2.8	3.0	Decreasing
Total Phosphorus (µg/L)	6.5	4.7	6.4	5.9	Decreasing
Chlorophyll-*a* (µg/L)	2.6	4.9	3.8	3.8	No Trend
Laboratory pH	6.7	6.9	7.0	6.9	Increasing
Sp. Conductance (µS/cm)	19.6	21.9	20.5	20.7	Decreasing
Color (Pt-Co)	47.2	40.7	15.0	34.3	No Trend
Alkalinity (mg/L)	4.4	6.0	5.9	5.4	No Trend
Chloride (mg/L)	0.7	0.9	BDL	0.6	No Trend
Calcium (mg/L)	1.8	1.7	1.9	1.8	Not Analyzed
Sodium (mg/L)	1.0	1.1	1.0	1.0	No Trend

Deer Pond

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

Water quality values for Deer Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/16/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	2.8	2.6	2.6	2.6	No Trend
Total Phosphorus (µg/L)	11.0	7.9	8.4	9.1	Decreasing
Chlorophyll-*a* (µg/L)	3.3	3.7	2.2	3.1	No Trend
Laboratory pH	7.1	7.1	7.0	7.1	No Trend
Sp. Conductance (µS/cm)	24.3	23.9	24.0	24.1	Decreasing
Color (Pt-Co)	50.4	50.4	27.9	42.9	No Trend
Alkalinity (mg/L)	8.0	9.4	9.3	8.9	Decreasing
Chloride (mg/L)	0.4	0.5	0.6	0.5	No Trend
Calcium (mg/L)	2.7	2.7	3.0	2.8	Not Analyzed
Sodium (mg/L)	1.1	1.1	1.2	1.1	No Trend

Eagle Lake

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

Water quality values for Eagle Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/27/2021	July 2021	8/31/2021	Average	Trend
Transparency (m)	5.7	*No Sample Submitted*	4.3	5.0	No Trend
Total Phosphorus (µg/L)	6.3		5.6	6.0	No Trend
Chlorophyll-*a* (µg/L)	0.8		0.1	0.5	Decreasing
Laboratory pH	7.1		7.1	7.1	No Trend
Sp. Conductance (µS/cm)	113.3		103.0	108.2	No Trend
Color (Pt-Co)	2.1		11.8	6.9	No Trend
Alkalinity (mg/L)	9.5		9.7	9.6	No Trend
Chloride (mg/L)	27.2		24.0	25.6	No Trend
Calcium (mg/L)	4.3		4.1	4.2	Not Analyzed
Sodium (mg/L)	15.1		13.6	14.3	No Trend

East Caroga Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Alkaline	Well buffered – not sensitive	Moderate

Water quality values for East Caroga Lake during the 2021 sampling season. Trend analysis will be performed on the next full report. BDL=below detection limit.

Water Quality Indicator	6/16/2021	7/19/2021	8/16/2021	Average	Trend
Transparency (m)	3.5	3.2	3.5	3.4	Not Analyzed
Total Phosphorus (µg/L)	8.9	4.5	3.4	5.6	Not Analyzed
Chlorophyll-*a* (µg/L)	2.1	1.2	2.8	2.0	Not Analyzed
Laboratory pH	8.3	7.9	8.3	8.1	Not Analyzed
Sp. Conductance (µS/cm)	152.9	151.0	137.0	147.0	Not Analyzed
Color (Pt-Co)	27.9	24.6	43.9	32.1	Not Analyzed
Alkalinity (mg/L)	25.5	28.1	25.6	26.4	Not Analyzed
Chloride (mg/L)	29.5	25.8	23.5	26.3	Not Analyzed
Calcium (mg/L)	9.6	9.5	9.9	9.7	Not Analyzed
Sodium (mg/L)	17.0	15.7	13.9	15.5	Not Analyzed

Eli Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Adequate – low sensitivity	Present - low

Water quality values for Eli Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/13/2021	7/16/2021	8/29/2021	Average	Trend
Transparency (m)	3.7	3.7	3.7	3.7	No Trend
Total Phosphorus (µg/L)	7.6	8.6	13.0	9.7	No Trend
Chlorophyll-*a* (µg/L)	1.7	3.5	8.5	4.6	No Trend
Laboratory pH	7.4	7.3	7.0	7.2	No Trend
Sp. Conductance (µS/cm)	36.7	33.3	27.4	32.5	Decreasing
Color (Pt-Co)	24.6	43.9	5.3	24.6	No Trend
Alkalinity (mg/L)	13.7	14.8	11.9	13.5	Decreasing
Chloride (mg/L)	0.6	0.6	0.6	0.6	No Trend
Calcium (mg/L)	4.0	4.1	3.7	3.9	Not Analyzed
Sodium (mg/L)	1.3	1.1	1.1	1.2	No Trend

Fern Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Adequate – low sensitivity	Present – Low

Water quality values for Fern Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	7/23/2021	8/13/2021	9/14/2021	Average	Trend
Transparency (m)	3.5	3.2	3.5	3.4	No Trend
Total Phosphorus (µg/L)	12.2	16.7	13.8	14.2	No Trend
Chlorophyll-*a* (µg/L)	2.8	3.0	1.8	2.5	No Trend
Laboratory pH	7.7	7.5	7.5	7.6	No Trend
Sp. Conductance (µS/cm)	57.9	52.5	57.6	56.0	No Trend
Color (Pt-Co)	21.4	24.6	18.2	21.4	No Trend
Alkalinity (mg/L)	19.5	18.4	21.4	19.8	No Trend
Chloride (mg/L)	4.6	5.2	4.9	4.9	No Trend
Calcium (mg/L)	4.9	5.4	5.4	5.2	Not Analyzed
Sodium (mg/L)	3.0	3.1	3.2	3.1	No Trend

Garnet Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Adequate – low sensitivity	Not Significant

Water quality values for Garnet Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/20/2021	8/15/2021	Average	Trend
Transparency (m)	4.1	4.2	3.9	4.0	No Trend
Total Phosphorus (µg/L)	14.6	11.1	11.1	12.3	No Trend
Chlorophyll-*a* (µg/L)	2.5	2.4	2.2	2.4	No Trend
Laboratory pH	7.3	7.3	6.8	7.1	Increasing
Sp. Conductance (µS/cm)	30.1	27.8	27.7	28.5	Decreasing
Color (Pt-Co)	31.1	24.6	18.2	24.6	No Trend
Alkalinity (mg/L)	11.3	11.4	11.7	11.5	Decreasing
Chloride (mg/L)	0.7	BDL	0.6	0.5	No Trend
Calcium (mg/L)	2.9	3.0	3.1	3.0	Not Analyzed
Sodium (mg/L)	0.8	0.8	0.8	0.8	No Trend

Gull Pond

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

Water quality values for Gull Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/30/2021	7/17/2021	8/21/2021	Average	Trend
Transparency (m)	5.7	6.0	7.3	6.3	No Trend
Total Phosphorus (µg/L)	7.2	4.5	9.2	7.0	Decreasing
Chlorophyll-*a* (µg/L)	0.7	0.3	0.9	0.6	Decreasing
Laboratory pH	7.1	7.4	7.1	7.2	No Trend
Sp. Conductance (µS/cm)	32.2	28.0	29.9	30.0	Decreasing
Color (Pt-Co)	18.2	31.1	15.0	21.4	No Trend
Alkalinity (mg/L)	8.7	6.8	7.4	7.7	No Trend
Chloride (mg/L)	2.3	2.1	2.4	2.3	No Trend
Calcium (mg/L)	2.8	2.1	2.5	2.5	Not Analyzed
Sodium (mg/L)	1.8	1.6	1.8	1.7	No Trend

Hoel Pond

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

Water quality values for Hoel Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	7/19/2021	7/22/2021	8/14/2021	Average	Trend
Transparency (m)	4.7	7.2	6.4	6.1	No Trend
Total Phosphorus (µg/L)	4.9	4.3	BDL	3.6	Decreasing
Chlorophyll-*a* (µg/L)	0.6	0.8	1.3	0.9	No Trend
Laboratory pH	7.3	7.1	7.2	7.2	Increasing
Sp. Conductance (µS/cm)	18.4	18.7	17.8	18.3	No Trend
Color (Pt-Co)	11.8	15.0	8.6	11.8	No Trend
Alkalinity (mg/L)	5.5	5.5	5.2	5.4	No Trend
Chloride (mg/L)	0.7	0.8	BDL	0.6	No Trend
Calcium (mg/L)	1.6	1.6	1.9	1.7	Not Analyzed
Sodium (mg/L)	0.7	0.8	0.7	0.7	No Trend

Indian Lake- Franklin County

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Adequate – low sensitivity	Not Significant

Water quality values and historical trends for Indian Lake during the 2021 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2021	7/23/2021	8/20/2021	Average	Trend
Transparency (m)	2.6	3.0	3.1	2.9	No Trend
Total Phosphorus (µg/L)	12.1	11.0	12.5	11.9	No Trend
Chlorophyll-*a* (µg/L)	2.4	2.3	2.7	2.5	No Trend
Laboratory pH	7.4	7.6	7.8	7.6	No Trend
Sp. Conductance (µS/cm)	30.7	70.8	31.0	44.2	Decreasing
Color (Pt-Co)	40.7	31.1	34.3	35.4	No Trend
Alkalinity (mg/L)	10.9	11.8	11.6	11.4	Decreasing
Chloride (mg/L)	0.6	0.7	0.6	0.7	No Trend
Calcium (mg/L)	2.7	2.5	2.8	2.6	Not Analyzed
Sodium (mg/L)	1.0	1.0	1.1	1.0	No Trend

Indian Lake- Hamilton County

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

Water quality values and historical trends for Indian Lake during the 2021 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/17/2021	8/22/2021	Average	Trend
Transparency (m)	5.2	5.5	3.1	4.6	No Trend
Total Phosphorus (µg/L)	5.9	4.1	4.3	4.8	No Trend
Chlorophyll-*a* (µg/L)	2.8	2.0	2.2	2.3	No Trend
Laboratory pH	7.0	7.0	7.2	7.0	Increasing
Sp. Conductance (µS/cm)	32.6	32.9	31.8	32.4	No Trend
Color (Pt-Co)	24.6	21.4	21.4	22.5	No Trend
Alkalinity (mg/L)	5.6	6.6	7.0	6.4	No Trend
Chloride (mg/L)	4.3	3.9	3.9	4.0	No Trend
Calcium (mg/L)	2.1	2.0	2.2	2.1	Not Analyzed
Sodium (mg/L)	3.0	2.6	2.5	2.7	No Trend

Jordan Lake

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

Water quality values for Jordan Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	1.9	2.1	1.8	1.9	No Trend
Total Phosphorus (µg/L)	12.7	10.8	14.1	12.5	No Trend
Chlorophyll-*a* (µg/L)	7.5	5.0	0.1	4.2	Decreasing
Laboratory pH	7.0	6.9	7.5	7.1	No Trend
Sp. Conductance (µS/cm)	28.2	26.2	27.3	27.2	No Trend
Color (Pt-Co)	95.4	92.2	82.5	90.1	No Trend
Alkalinity (mg/L)	7.1	5.0	8.0	6.7	No Trend
Chloride (mg/L)	0.6	BDL	BDL	0.4	No Trend
Calcium (mg/L)	2.5	3.0	3.0	2.9	Not Analyzed
Sodium (mg/L)	1.1	1.1	1.1	1.1	No Trend

Kiwassa Lake

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

Water quality values for Kiwassa Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/25/2021	8/16/2021	Average	Trend
Transparency (m)	5.3	5.1	5.9	5.4	No Trend
Total Phosphorus (µg/L)	5.4	3.9	3.8	4.4	No Trend
Chlorophyll-*a* (µg/L)	1.6	2.2	2.7	2.2	No Trend
Laboratory pH	7.4	7.3	7.6	7.4	No Trend
Sp. Conductance (µS/cm)	66.9	69.4	71.5	69.3	No Trend
Color (Pt-Co)	21.4	18.2	15.0	18.2	No Trend
Alkalinity (mg/L)	14.6	15.7	15.0	15.1	Decreasing
Chloride (mg/L)	8.9	9.1	7.9	8.6	No Trend
Calcium (mg/L)	5.2	4.7	5.4	5.1	Not Analyzed
Sodium (mg/L)	5.4	5.2	5.6	5.4	No Trend

Lake Adirondack

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well buffered– not sensitive	Moderate

Water quality values for Lake Adirondack during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/25/2021	August 2021	Average	Trend
Transparency (m)	2.7	2.0	*No Sample Submitted*	2.4	No Trend
Total Phosphorus (µg/L)	17.2	10.4		13.8	No Trend
Chlorophyll-*a* (µg/L)	3.3	4.9		4.1	No Trend
Laboratory pH	7.8	7.4		7.6	No Trend
Sp. Conductance (µS/cm)	119.5	109.4		114.5	No Trend
Color (Pt-Co)	31.1	31.1		31.1	No Trend
Alkalinity (mg/L)	32.8	33.1		33.0	Decreasing
Chloride (mg/L)	14.1	13.3		13.7	No Trend
Calcium (mg/L)	11.5	11.0		11.3	Not Analyzed
Sodium (mg/L)	7.7	7.7		7.7	No Trend

Lake Clear

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

Water quality values for Lake Clear during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/19/2021	7/19/2021	8/15/2021	Average	Trend
Transparency (m)	5.2	6.6	6.3	6.0	No Trend
Total Phosphorus (µg/L)	7.5	10.5	3.2	7.1	Decreasing
Chlorophyll-*a* (µg/L)	2.1	1.4	1.2	1.6	No Trend
Laboratory pH	7.4	7.4	7.4	7.4	No Trend
Sp. Conductance (µS/cm)	118.0	119.1	119.7	118.9	Increasing
Color (Pt-Co)	18.2	18.2	18.2	18.2	No Trend
Alkalinity (mg/L)	15.4	17.0	16.3	16.2	Increasing
Chloride (mg/L)	23.0	22.0	20.6	21.9	Increasing
Calcium (mg/L)	5.8	5.7	5.9	5.8	Not Analyzed
Sodium (mg/L)	12.6	12.4	12.9	12.6	No Trend

Lake Colby

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Alkaline	Well buffered – not sensitive	High

Water quality values for Lake Colby during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/24/2021	8/21/2021	Average	Trend
Transparency (m)	5.6	4.2	4.0	4.6	No Trend
Total Phosphorus (µg/L)	10.8	8.3	4.7	7.9	No Trend
Chlorophyll-*a* (µg/L)	2.1	0.9	2.4	1.8	No Trend
Laboratory pH	7.8	8.0	7.8	7.9	No Trend
Sp. Conductance (µS/cm)	273.0	277.0	277.0	275.7	No Trend
Color (Pt-Co)	21.4	15.0	11.8	16.1	No Trend
Alkalinity (mg/L)	32.1	34.8	34.4	33.8	No Trend
Chloride (mg/L)	58.1	68.3	58.4	61.6	No Trend
Calcium (mg/L)	14.1	14.6	14.9	14.5	Not Analyzed
Sodium (mg/L)	30.0	31.6	31.3	30.9	No Trend

Lake of the Pines

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Circumneutral	Adequate – low sensitivity	Present - low

Water quality values for Lake of the Pines during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	June 2021	July 2021	8/15/2021	Average	Trend
Transparency (m)	*No Sample Submitted*	*No Sample Submitted*	3.3	3.3	No Trend
Total Phosphorus (µg/L)			9.5	9.5	Decreasing
Chlorophyll-*a* (µg/L)			2.2	2.2	No Trend
Laboratory pH			6.9	6.9	No Trend
Sp. Conductance (µS/cm)			32.0	32.0	No Trend
Color (Pt-Co)			27.9	27.9	No Trend
Alkalinity (mg/L)			11.3	11.3	Decreasing
Chloride (mg/L)			1.2	1.2	Decreasing
Calcium (mg/L)			3.4	3.4	Not Analyzed
Sodium (mg/L)			1.6	1.6	No Trend

Lake Titus

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

Water quality values for Lake Titus during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/13/2021	7/22/2021	8/19/2021	Average	Trend
Transparency (m)	2.7	3.3	4.4	3.5	No Trend
Total Phosphorus (µg/L)	11.3	4.2	8.6	8.0	Decreasing
Chlorophyll-*a* (µg/L)	2.9	0.7	2.2	1.9	No Trend
Laboratory pH	7.5	7.4	7.4	7.4	No Trend
Sp. Conductance (µS/cm)	94.7	96.4	98.4	96.5	No Trend
Color (Pt-Co)	31.1	24.6	18.2	24.6	No Trend
Alkalinity (mg/L)	17.8	20.0	20.4	19.4	No Trend
Chloride (mg/L)	15.0	14.9	15.9	15.3	No Trend
Calcium (mg/L)	5.3	5.6	5.8	5.6	Not Analyzed
Sodium (mg/L)	8.8	8.9	9.2	9.0	No Trend

Lens Lake

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

Water quality values for Lens Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/26/2021	7/22/2021	8/14/2021	Average	Trend
Transparency (m)	1.4	1.4	1.7	1.5	No Trend
Total Phosphorus (µg/L)	16.2	12.8	20.1	16.4	No Trend
Chlorophyll-*a* (µg/L)	5.6	5.2	6.7	5.8	No Trend
Laboratory pH	6.4	8.8	6.7	7.3	No Trend
Sp. Conductance (µS/cm)	14.3	31.0	15.3	20.2	Decreasing
Color (Pt-Co)	60.0	60.4	72.9	64.4	No Trend
Alkalinity (mg/L)	3.1	3.1	3.4	3.2	No Trend
Chloride (mg/L)	0.6	BDL	0.5	0.5	No Trend
Calcium (mg/L)	0.9	1.0	1.3	1.1	Not Analyzed
Sodium (mg/L)	0.7	0.6	0.7	0.7	No Trend

Little Long Lake

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

Water quality values for Little Long Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/20/2021	8/15/2021	Average	Trend
Transparency (m)	3.0	1.9	2.1	2.3	Decreasing
Total Phosphorus (µg/L)	6.6	8.9	7.2	7.6	Decreasing
Chlorophyll-*a* (µg/L)	2.7	6.8	2.5	4.0	No Trend
Laboratory pH	7.0	7.0	6.8	6.9	No Trend
Sp. Conductance (µS/cm)	77.1	76.6	72.1	75.3	No Trend
Color (Pt-Co)	47.2	82.5	21.4	50.4	No Trend
Alkalinity (mg/L)	7.7	9.3	10.0	9.0	No Trend
Chloride (mg/L)	15.1	15.2	14.6	14.9	No Trend
Calcium (mg/L)	4.1	4.1	4.1	4.1	Not Analyzed
Sodium (mg/L)	8.8	8.2	8.0	8.4	No Trend

Long Lake

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

Water quality values for Long Lake during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/17/2021	8/15/2021	Average	Trend
Transparency (m)	3.2	3.7	3.9	3.6	Not Analyzed
Total Phosphorus (µg/L)	3.8	22.1	5.5	10.5	Not Analyzed
Chlorophyll-*a* (µg/L)	3.7	2.6	3.5	3.3	Not Analyzed
Laboratory pH	6.9	7.3	6.9	7.0	Not Analyzed
Sp. Conductance (µS/cm)	36.8	38.5	37.6	37.6	Not Analyzed
Color (Pt-Co)	37.5	27.9	27.9	31.1	Not Analyzed
Alkalinity (mg/L)	5.5	7.6	6.6	6.6	Not Analyzed
Chloride (mg/L)	5.1	4.9	5.4	5.1	Not Analyzed
Calcium (mg/L)	2.3	2.4	2.6	2.4	Not Analyzed
Sodium (mg/L)	3.5	3.5	3.5	3.5	Not Analyzed

Long Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well buffered – not sensitive	Moderate

Water quality values for Long Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/25/2021	7/24/2021	8/14/2021	Average	Trend
Transparency (m)	3.5	3.9	4.6	4.0	No Trend
Total Phosphorus (µg/L)	9.0	6.9	8.1	8.0	Decreasing
Chlorophyll-*a* (µg/L)	2.4	2.3	2.3	2.3	No Trend
Laboratory pH	8.1	8.0	7.7	7.9	No Trend
Sp. Conductance (µS/cm)	144.6	138.8	144.3	142.6	No Trend
Color (Pt-Co)	24.6	31.1	11.8	22.5	No Trend
Alkalinity (mg/L)	47.8	54.8	53.3	52.0	Decreasing
Chloride (mg/L)	11.9	11.9	11.9	11.9	No Trend
Calcium (mg/L)	14.2	13.9	15.5	14.5	Not Analyzed
Sodium (mg/L)	8.2	8.3	8.1	8.2	No Trend

Loon Lake- Franklin County

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Adequate – low sensitivity	Present - Low

Water quality values and historical trends for Loon Lake during the 2021 sampling season. Historical trend analysis performed on lake wide averages in 2018 (updated every five years). BDL=below detection limit.

Water Quality Indicator	6/23/2021	7/17/2021	8/28/2021	Average	Trend
North Basin					
Transparency (m)	5.2	5.5	6.9	5.8	No Trend
Total Phosphorus (µg/L)	10.2	7.8	7.6	8.5	Decreasing
Chlorophyll-*a* (µg/L)	2.3	2.7	1.5	2.2	Decreasing
Laboratory pH	7.4	7.5	7.2	7.4	Increasing
Sp. Conductance (µS/cm)	41.6	41.8	39.6	41.0	Decreasing
Color (Pt-Co)	21.4	15.0	11.8	16.1	No Trend
Alkalinity (mg/L)	14.7	14.4	12.5	13.9	No Trend
Chloride (mg/L)	3.2	2.7	2.7	2.9	No Trend
Calcium (mg/L)	3.6	3.3	3.9	3.6	Not Analyzed
Sodium (mg/L)	2.2	2.2	2.3	2.3	No Trend

Water Quality Indicator	6/23/2021	7/17/2021	8/28/2021	Average
South Basin				
Transparency (m)	4.8	4.9	5.8	5.1
Total Phosphorus (µg/L)	15.1	5.6	9.3	10.0
Chlorophyll-*a* (µg/L)	3.1	2.1	2.0	2.4
Laboratory pH	7.4	7.5	7.5	7.5
Sp. Conductance (µS/cm)	40.6	40.9	40.2	40.6
Color (Pt-Co)	37.5	18.2	11.8	22.5
Alkalinity (mg/L)	14.6	14.5	14.8	14.6
Chloride (mg/L)	2.9	2.5	2.7	2.7
Calcium (mg/L)	3.6	3.2	3.8	3.6
Sodium (mg/L)	2.1	2.1	2.3	2.2

Loon Lake- Warren County.

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Alkaline	Adequate – low sensitivity	Moderate

Water quality values for Loon Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/19/2021	7/23/2021	8/20/2021	Average	Trend
Transparency (m)	4.4	3.6	4.6	4.2	No Trend
Total Phosphorus (µg/L)	18.8	8.8	16.9	14.8	No Trend
Chlorophyll-*a* (µg/L)	0.1	2.8	3.4	2.1	No Trend
Laboratory pH	8.6	7.5	7.3	7.8	No Trend
Sp. Conductance (µS/cm)	113.2	112.0	111.4	112.2	No Trend
Color (Pt-Co)	37.5	27.9	43.9	36.4	No Trend
Alkalinity (mg/L)	17.7	21.7	22.5	20.6	No Trend
Chloride (mg/L)	19.2	19.5	18.8	19.2	No Trend
Calcium (mg/L)	7.0	7.3	7.6	7.3	Not Analyzed
Sodium (mg/L)	11.0	11.0	11.6	11.2	No Trend

Lower Beaver Pond

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

Water quality values and historical trends for Lower Beaver Pond during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/25/2021	July 2021	8/20/2021	Average	Trend
Transparency (m)	1.5	1.1	1.1	1.2	Not Analyzed
Total Phosphorus (µg/L)	8.2	10.1	11.7	10.0	Not Analyzed
Chlorophyll-*a* (µg/L)	2.0	4.2	2.5	2.9	Not Analyzed
Laboratory pH	6.8	5.8	6.2	6.3	Not Analyzed
Sp. Conductance (µS/cm)	18.8	18.7	18.4	18.6	Not Analyzed
Color (Pt-Co)	114.7	191.9	198.4	168.3	Not Analyzed
Alkalinity (mg/L)	BDL	2.7	BDL	1.7	Not Analyzed
Chloride (mg/L)	BDL	BDL	0.6	0.4	Not Analyzed
Calcium (mg/L)	1.9	1.9	2.2	2.0	Not Analyzed
Sodium (mg/L)	0.8	0.7	0.7	0.8	Not Analyzed

Lower Chateaugay Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well buffered – not sensitive	Moderate

Water quality values for Lower Chateaugay Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/12/2021	7/24/2021	August 2021	Average	Trend
Transparency (m)	3.2	3.7	Not submitted	3.4	No Trend
Total Phosphorus (µg/L)	13.9	15.6	12.9	14.1	No Trend
Chlorophyll-*a* (µg/L)	1.9	2.6	No Sample	2.3	Decreasing
Laboratory pH	8.5	7.9	7.9	8.1	No Trend
Sp. Conductance (µS/cm)	93.1	103.6	101.7	99.5	No Trend
Color (Pt-Co)	21.4	24.6	2.1	16.1	No Trend
Alkalinity (mg/L)	30.8	36.1	33.4	33.4	Decreasing
Chloride (mg/L)	8.5	8.3	8.9	8.6	No Trend
Calcium (mg/L)	8.8	9.4	10.0	9.4	Not Analyzed
Sodium (mg/L)	5.4	5.5	5.7	5.5	No Trend

Lower Saranac Lake

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

Water quality values for Lower Saranac Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/26/2021	8/21/2021	Average	Trend
Transparency (m)	3.3	3.5	3.6	3.5	No Trend
Total Phosphorus (µg/L)	13.1	10.1	10.2	11.1	No Trend
Chlorophyll-*a* (µg/L)	3.6	3.2	2.9	3.2	No Trend
Laboratory pH	7.4	7.3	7.1	7.2	No Trend
Sp. Conductance (µS/cm)	74.4	74.2	74.1	74.2	No Trend
Color (Pt-Co)	34.3	27.9	31.1	31.1	No Trend
Alkalinity (mg/L)	12.6	13.7	11.7	12.7	Decreasing
Chloride (mg/L)	12.6	11.4	12.1	12.0	No Trend
Calcium (mg/L)	4.6	4.2	4.6	4.5	Not Analyzed
Sodium (mg/L)	6.6	6.6	6.8	6.7	No Trend

Middle Saranac Lake

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

Water quality values for Middle Saranac Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/11/2021	7/26/2021	8/21/2021	Average	Trend
Transparency (m)	2.4	2.8	3.0	2.7	No Trend
Total Phosphorus (µg/L)	18.0	13.7	8.6	13.4	No Trend
Chlorophyll-*a* (µg/L)	2.9	3.0	3.4	3.1	No Trend
Laboratory pH	7.4	7.4	7.5	7.4	No Trend
Sp. Conductance (µS/cm)	62.0	65.9	64.4	64.1	No Trend
Color (Pt-Co)	31.1	24.6	27.9	27.9	Increasing
Alkalinity (mg/L)	11.3	12.2	12.1	11.9	Decreasing
Chloride (mg/L)	10.1	9.9	9.9	10.0	No Trend
Calcium (mg/L)	4.1	3.8	3.8	3.9	Not Analyzed
Sodium (mg/L)	5.6	5.6	5.5	5.5	No Trend

Moody Pond

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

Water quality values for Moody Pond during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit. VOB=Secchi disk is visible on the bottom of the lake

Water Quality Indicator	5/22	6/17	7/23	8/13	9/25	Average	Trend
Transparency (m)	VOB	4.4	4.2	VOB	3.1	3.9	Not Analyzed
Total Phosphorus (µg/L)	18.9	20.0	6.8	7.2	10.3	12.6	Not Analyzed
Chlorophyll-*a* (µg/L)	10.2	2.2	2.4	1.6	7.4	4.8	Not Analyzed
Laboratory pH	7.2	7.5	7.3	7.2	7.1	7.2	Not Analyzed
Sp. Conductance (µS/cm)	141.5	138.8	135.5	136.5	135.8	137.6	Not Analyzed
Color (Pt-Co)	8.6	24.6	5.3	18.2	15.0	14.3	Not Analyzed
Alkalinity (mg/L)		13.5	13.6	13.5	13.1	13.4	Not Analyzed
Chloride (mg/L)		29.7	28.8	24.4	29.6	28.1	Not Analyzed
Calcium (mg/L)		5.7	5.3	5.4	5.4	5.5	Not Analyzed
Sodium (mg/L)		17.8	17.3	17.6	17.9	17.7	Not Analyzed

Mountain View Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well buffered – not sensitive	Present- low

Water quality values for Mountain View Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2021	7/23/2021	8/20/2021	Average	Trend
Transparency (m)	1.1	2.0	1.9	1.6	No Trend
Total Phosphorus (µg/L)	64.9	33.1	37.2	45.1	No Trend
Chlorophyll-*a* (µg/L)	3.0	0.1	9.7	4.3	Decreasing
Laboratory pH	7.7	7.6	8.2	7.8	No Trend
Sp. Conductance (µS/cm)	67.5	70.9	66.8	68.4	No Trend
Color (Pt-Co)	108.3	43.9	72.9	75.0	No Trend
Alkalinity (mg/L)	30.1	33.5	29.2	30.9	No Trend
Chloride (mg/L)	0.5	1.1	0.6	0.7	No Trend
Calcium (mg/L)	7.7	7.5	7.5	7.6	Not Analyzed
Sodium (mg/L)	1.4	1.7	1.6	1.6	Decreasing

Osgood Pond

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

Water quality values for Osgood Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/13/2021	7/23/2021	8/16/2021	Average	Trend
Transparency (m)	3.1	2.8	2.7	2.9	No Trend
Total Phosphorus (µg/L)	14.4	8.7	9.6	10.9	No Trend
Chlorophyll-*a* (µg/L)	2.5	3.7	3.3	3.1	No Trend
Laboratory pH	7.6	7.4	7.3	7.4	No Trend
Sp. Conductance (µS/cm)	79.1	79.5	76.3	78.3	Increasing
Color (Pt-Co)	40.7	43.9	40.7	41.8	No Trend
Alkalinity (mg/L)	18.9	19.8	19.1	19.3	Decreasing
Chloride (mg/L)	9.7	8.9	7.8	8.8	No Trend
Calcium (mg/L)	6.2	6.0	6.4	6.2	Not Analyzed
Sodium (mg/L)	4.6	4.8	4.9	4.8	No Trend

Otter Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Acidic (acceptable)	Low	Not Significant

Water quality values for Otter Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/23/2021	8/20/2021	Average	Trend
Transparency (m)	2.0	1.7	1.7	1.8	No Trend
Total Phosphorus (µg/L)	20.1	19.2	26.4	21.9	No Trend
Chlorophyll-*a* (µg/L)	4.4	4.1	5.5	4.7	No Trend
Laboratory pH	6.1	6.1	6.5	6.2	No Trend
Sp. Conductance (µS/cm)	9.9	8.5	10.0	9.5	Decreasing
Color (Pt-Co)	85.8	69.7	79.3	78.3	No Trend
Alkalinity (mg/L)	1.8	BDL	BDL	1.4	No Trend
Chloride (mg/L)	0.7	BDL	BDL	0.4	Decreasing
Calcium (mg/L)	0.5	0.6	0.6	0.6	Not Analyzed
Sodium (mg/L)	0.4	0.3	0.3	0.3	No Trend

Paradox Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Alkaline	Adequate – low sensitivity	Moderate

Water quality values and historical trends for Paradox Lake during the 2021 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	May 2021	6/20	7/22	8/20	9/21	Average	Trend
			Upper				
Transparency (m)	*No Sample Submitted*	3.7	3.3	3.1	3.2	3.3	No Trend
Total Phosphorus (µg/L)		6.3	5.0	8.2	14.1	8.4	No Trend
Chlorophyll-*a* (µg/L)		2.3	2.9	5.0	2.9	3.3	No Trend
Laboratory pH		8.4	7.8	7.8	7.6	7.9	No Trend
Sp. Conductance (µS/cm)		78.9	77.6	77.4	78.2	78.0	No Trend
Color (Pt-Co)		27.9	34.3	18.2	47.2	31.9	No Trend
Alkalinity (mg/L)		22.0	28.0	27.0	30.7	26.9	No Trend
Chloride (mg/L)		7.0	5.7	7.1	5.9	6.4	No Trend
Calcium (mg/L)		7.7	8.2	8.4	9.2	8.4	Not Analyzed
Sodium (mg/L)		4.8	4.0	4.7	4.7	4.5	No Trend

Water Quality Indicator	May 2021	6/20	7/24	8/21	9/22	Average
			Lower			
Transparency (m)	*No Sample Submitted*	5.8	3.6	3.6	3.8	4.2
Total Phosphorus (µg/L)		3.8	3.9	7.6	7.2	5.6
Chlorophyll-*a* (µg/L)		1.2	1.1	2.3	3.8	2.1
Laboratory pH		7.8	7.4	7.7	7.5	7.6
Sp. Conductance (µS/cm)		77.8	71.0	72.6	73.7	73.8
Color (Pt-Co)		18.2	27.9	24.6	37.5	27.1
Alkalinity (mg/L)		20.8	22.7	23.3	25.2	23.0
Chloride (mg/L)		8.1	7.0	7.4	6.4	7.2
Calcium (mg/L)		7.2	7.3	7.7	7.8	7.5
Sodium (mg/L)		5.2	5.0	4.8	4.8	5.0

Pine Lake

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

Water quality values for Pine Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/16/2021	7/20/2021	8/16/2021	Average	Trend
Transparency (m)	4.8	3.2	3.5	3.8	No Trend
Total Phosphorus (µg/L)	10.8	6.0	8.2	8.3	No Trend
Chlorophyll-*a* (µg/L)	1.7	2.9	3.1	2.6	Decreasing
Laboratory pH	6.6	6.7	6.5	6.6	Increasing
Sp. Conductance (µS/cm)	17.3	15.4	13.1	15.2	Decreasing
Color (Pt-Co)	24.6	27.9	31.1	27.9	No Trend
Alkalinity (mg/L)	3.1	3.9	3.0	3.3	No Trend
Chloride (mg/L)	1.0	0.8	0.7	0.8	Decreasing
Calcium (mg/L)	0.9	1.1	1.2	1.1	Not Analyzed
Sodium (mg/L)	0.8	0.8	0.7	0.8	No Trend

Pleasant Lake

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

Water quality values for Pleasant Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	June 2021	7/28/2021	8/10/2021	Average	Trend
Transparency (m)	*No Sample Submitted*	6.5	Not Submitted	6.5	No Trend
Total Phosphorus (µg/L)		12.9	7.0	9.9	No Trend
Chlorophyll-*a* (µg/L)		2.6	3.8	3.2	No Trend
Laboratory pH		7.1	6.9	7.0	Increasing
Sp. Conductance (µS/cm)		17.2	16.1	16.7	Decreasing
Color (Pt-Co)		15.0	8.6	11.8	No Trend
Alkalinity (mg/L)		4.2	4.2	4.2	No Trend
Chloride (mg/L)		2.0	2.0	2.0	No Trend
Calcium (mg/L)		1.3	1.3	1.3	Not Analyzed
Sodium (mg/L)		1.1	1.1	1.1	No Trend

Raquette Lake

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

Water quality values for Raquette Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/20/2021	7/21/2021	8/20/2021	Average	Trend
Transparency (m)	4.1	3.3	3.4	3.6	Decreasing
Total Phosphorus (µg/L)	3.8	9.8	5.8	6.4	Decreasing
Chlorophyll-*a* (µg/L)	0.6	2.9	3.8	2.4	No Trend
Laboratory pH	6.8	6.9	7.1	6.9	Increasing
Sp. Conductance (µS/cm)	39.9	37.0	37.6	38.2	No Trend
Color (Pt-Co)	37.5	37.5	27.9	34.3	No Trend
Alkalinity (mg/L)	5.2	6.0	6.6	5.9	Increasing
Chloride (mg/L)	5.5	5.6	5.4	5.5	No Trend
Calcium (mg/L)	2.6	2.5	2.5	2.5	Not Analyzed
Sodium (mg/L)	3.9	3.5	3.4	3.6	No Trend

Rich Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Adequate – low sensitivity	Present - Low

Water quality values for Rich Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/20/2021	8/20/2021	Average	Trend
Transparency (m)	3.1	2.2	2.6	2.6	No Trend
Total Phosphorus (µg/L)	8.5	6.1	8.6	7.7	Decreasing
Chlorophyll-*a* (µg/L)	3.0	2.1	2.5	2.5	Decreasing
Laboratory pH	7.1	7.0	7.1	7.1	No Trend
Sp. Conductance (µS/cm)	43.7	44.2	47.6	45.2	No Trend
Color (Pt-Co)	53.4	60.2	43.9	52.5	No Trend
Alkalinity (mg/L)	8.4	10.2	10.5	9.7	No Trend
Chloride (mg/L)	5.6	6.1	6.8	6.1	Increasing
Calcium (mg/L)	3.4	3.7	4.0	3.7	Not Analyzed
Sodium (mg/L)	3.8	3.9	3.9	3.9	No Trend

Silver Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Adequate – low sensitivity	Present- low

Water quality values for Silver Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/17/2021	8/16/2021	Average	Trend
Transparency (m)	6.5	6.2	6.4	6.3	No Trend
Total Phosphorus (µg/L)	3.5	8.0	BDL	4.3	Decreasing
Chlorophyll-*a* (µg/L)	1.3	0.1	1.2	0.9	No Trend
Laboratory pH	7.4	7.4	7.4	7.4	No Trend
Sp. Conductance (µS/cm)	56.8	55.3	54.0	55.4	Increasing
Color (Pt-Co)	8.6	11.8	5.3	8.6	No Trend
Alkalinity (mg/L)	14.4	14.5	14.7	14.5	No Trend
Chloride (mg/L)	5.8	6.1	4.9	5.6	Increasing
Calcium (mg/L)	4.4	4.0	4.7	4.3	Not Analyzed
Sodium (mg/L)	3.1	3.2	3.5	3.3	No Trend

Simon Pond

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

Water quality values for Simon Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/10/2021	8/4/2021	Average	Trend
Transparency (m)	3.0	2.0	2.3	2.4	Increasing
Total Phosphorus (µg/L)	8.0	8.8	10.5	9.1	No Trend
Chlorophyll-*a* (µg/L)	2.9	4.1	2.9	3.3	Decreasing
Laboratory pH	7.2	7.1	6.9	7.1	No Trend
Sp. Conductance (µS/cm)	32.2	34.2	33.5	33.3	Decreasing
Color (Pt-Co)	34.3	31.1	31.1	32.1	No Trend
Alkalinity (mg/L)	6.8	8.0	7.4	7.4	No Trend
Chloride (mg/L)	3.2	3.3	2.6	3.1	No Trend
Calcium (mg/L)	2.6	2.2	2.9	2.6	Not Analyzed
Sodium (mg/L)	2.3	2.4	2.6	2.4	No Trend

Split Rock Pond

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

Water quality values and historical trends for Split Rock Pond during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/24/2021	7/21/2021	8/18/2021	Average	Trend
Transparency (m)	5.7	5.5	4.5	5.2	Not Analyzed
Total Phosphorus (µg/L)	BDL	BDL	BDL	1.5	Not Analyzed
Chlorophyll-*a* (µg/L)	BDL	0.9	1.2	0.7	Not Analyzed
Laboratory pH	6.9	6.5	7.0	6.8	Not Analyzed
Sp. Conductance (µS/cm)	15.5	14.0	15.2	14.9	Not Analyzed
Color (Pt-Co)	27.9	15.0	5.3	16.1	Not Analyzed
Alkalinity (mg/L)	4.1	4.6	4.7	4.5	Not Analyzed
Chloride (mg/L)	BDL	BDL	0.5	0.3	Not Analyzed
Calcium (mg/L)	1.5	1.2	1.4	1.4	Not Analyzed
Sodium (mg/L)	0.7	0.6	0.6	0.6	Not Analyzed

Stony Creek Pond

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Adequate – low sensitivity	Present - Low

Water quality values for Stony Creek Pond during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	5/17/2021	6/17/2021	7/19/2021	8/15/2021	9/19/2021	Average	Trend
Transparency (m)	3.3	3.0	3.6	3.6		3.3	No Trend
Total Phosphorus (µg/L)	19.1	11.7	7.0	3.9	7.0	9.7	Decreasing
Chlorophyll-*a* (µg/L)	3.3	2.6	3.1	2.9	3.5	3.1	Decreasing
Laboratory pH	7.3	7.3	7.4	7.2	7.2	7.3	No Trend
Sp. Conductance (µS/cm)	54.2	46.4	47.8	46.2	44.3	47.8	No Trend
Color (Pt-Co)	34.3	27.9	31.1	31.1	27.9	30.4	No Trend
Alkalinity (mg/L)	Not Analyzed	11.6	12.5	12.1	10.3	11.6	Decreasing
Chloride (mg/L)		4.8	4.8	3.7	4.3	4.4	No Trend
Calcium (mg/L)		4.1	3.7	4.3	4.3	4.1	Not Analyzed
Sodium (mg/L)		2.7	2.8	2.8	2.9	2.8	No Trend

Thirteenth Lake

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

Water quality values for Thirteenth Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/12/2021	7/22/2021	8/22/2021	Average	Trend
Transparency (m)	5.4	4.0	3.7	4.4	No Trend
Total Phosphorus (µg/L)	4.3	7.8	5.8	6.0	No Trend
Chlorophyll-*a* (µg/L)	1.8	1.9	1.7	1.8	No Trend
Laboratory pH	7.2	7.0	6.9	7.0	Increasing
Sp. Conductance (µS/cm)	24.5	25.3	22.9	24.2	Decreasing
Color (Pt-Co)	24.6	27.9	56.8	36.4	No Trend
Alkalinity (mg/L)	7.0	8.7	6.5	7.4	No Trend
Chloride (mg/L)	1.1	1.3	0.8	1.0	No Trend
Calcium (mg/L)	2.1	2.3	2.3	2.2	Not Analyzed
Sodium (mg/L)	1.0	1.1	0.9	1.0	No Trend

Tripp Lake

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

Water quality values for Tripp Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2021	7/16/2021	8/20/2021	Average	Trend
Transparency (m)	4.0	4.1	3.7	3.9	No Trend
Total Phosphorus (µg/L)	7.2	3.1	5.9	5.4	No Trend
Chlorophyll-*a* (µg/L)	4.1	2.2	1.8	2.7	No Trend
Laboratory pH	7.9	7.2	7.5	7.5	No Trend
Sp. Conductance (µS/cm)	98.1	96.7	95.1	96.6	No Trend
Color (Pt-Co)	27.9	11.8	40.7	26.8	No Trend
Alkalinity (mg/L)	21.2	22.4	24.3	22.6	Decreasing
Chloride (mg/L)	13.4	13.8	13.4	13.5	No Trend
Calcium (mg/L)	7.8	8.3	8.5	8.2	Not Analyzed
Sodium (mg/L)	6.9	7.8	7.1	7.3	No Trend

Trout Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Alkaline	Well buffered – not sensitive	Moderate

Water quality values for Trout Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/13/2021	7/21/2021	8/14/2021	Average	Trend
Transparency (m)	6.5	3.3	4.0	4.6	No Trend
Total Phosphorus (µg/L)	7.5	7.1	6.7	7.1	Decreasing
Chlorophyll-*a* (µg/L)	1.1	3.2	2.5	2.3	No Trend
Laboratory pH	8.4	7.9	7.7	8.0	Increasing
Sp. Conductance (µS/cm)	116.7	115.3	115.8	115.9	Increasing
Color (Pt-Co)	18.2	24.6	8.6	17.1	No Trend
Alkalinity (mg/L)	23.7	26.9	27.1	25.9	No Trend
Chloride (mg/L)	18.2	17.3	16.8	17.5	Increasing
Calcium (mg/L)	8.6	9.0	9.0	8.9	Not Analyzed
Sodium (mg/L)	10.0	9.3	9.2	9.5	No Trend

Tupper Lake

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

Water quality values for Tupper Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/10/2021	8/4/2021	Average	Trend
Transparency (m)	3.0	3.0	3.1	3.0	No Trend
Total Phosphorus (µg/L)	10.3	9.2	5.9	8.5	Decreasing
Chlorophyll-*a* (µg/L)	4.9	4.2	3.9	4.3	No Trend
Laboratory pH	7.0	7.0	6.8	6.9	No Trend
Sp. Conductance (µS/cm)	37.9	32.9	35.1	35.3	Decreasing
Color (Pt-Co)	50.4	34.3	37.5	40.7	No Trend
Alkalinity (mg/L)	7.0	7.2	7.1	7.1	No Trend
Chloride (mg/L)	5.0	3.8	3.1	3.9	No Trend
Calcium (mg/L)	2.7	2.1	2.8	2.6	Not Analyzed
Sodium (mg/L)	2.9	2.6	2.9	2.8	No Trend

Twitchell Lake

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

Water quality values for Twitchell Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/19/2021	7/19/2021	8/15/2021	Average	Trend
Transparency (m)	2.8	2.6	3.2	2.8	No Trend
Total Phosphorus (µg/L)	12.9	5.7	5.9	8.2	Decreasing
Chlorophyll-*a* (µg/L)	3.4	3.4	2.9	3.2	No Trend
Laboratory pH	6.4	6.6	6.8	6.6	Increasing
Sp. Conductance (µS/cm)	12.4	12.5	13.7	12.9	Decreasing
Color (Pt-Co)	47.2	27.9	43.9	39.7	Increasing
Alkalinity (mg/L)	2.3	3.4	2.7	2.8	No Trend
Chloride (mg/L)	0.4	BDL	0.5	0.4	No Trend
Calcium (mg/L)	1.0	0.9	1.1	1.0	Not Analyzed
Sodium (mg/L)	0.6	0.6	0.6	0.6	No Trend

Upper Chateaugay Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Mesotrophic	Alkaline	Well buffered – not sensitive	Moderate

Water quality values for Upper Chateaugay Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/12/2021	7/24/2021	8/14/2021	Average	Trend
Transparency (m)	5.1	5.1	5.1	5.1	No Trend
Total Phosphorus (µg/L)	8.3	10.4	5.3	8.0	Decreasing
Chlorophyll-*a* (µg/L)	1.5	3.1	1.9	2.1	Decreasing
Laboratory pH	8.1	7.7	7.9	7.9	No Trend
Sp. Conductance (µS/cm)	80.3	86.7	85.2	84.1	No Trend
Color (Pt-Co)	31.1	21.4	5.3	19.3	No Trend
Alkalinity (mg/L)	26.9	30.5	30.5	29.3	No Trend
Chloride (mg/L)	7.0	6.2	7.3	6.8	No Trend
Calcium (mg/L)	7.7	7.9	8.3	8.0	Not Analyzed
Sodium (mg/L)	4.2	4.3	4.7	4.4	No Trend

West Caroga Lake

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

Water quality values for West Caroga Lake during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/16/2021	7/19/2021	8/16/2021	Average	Trend
Transparency (m)	4.0	3.3	3.5	3.6	Not Analyzed
Total Phosphorus (µg/L)	5.1	3.9	5.2	4.7	Not Analyzed
Chlorophyll-*a* (µg/L)	1.8	3.1	2.9	2.6	Not Analyzed
Laboratory pH	7.6	7.7	7.3	7.5	Not Analyzed
Sp. Conductance (µS/cm)	100.7	95.9	88.7	95.1	Not Analyzed
Color (Pt-Co)	31.1	27.9	43.9	34.3	Not Analyzed
Alkalinity (mg/L)	15.3	17.3	17.1	16.6	Not Analyzed
Chloride (mg/L)	18.0	15.9	15.5	16.5	Not Analyzed
Calcium (mg/L)	5.5	5.5	5.7	5.6	Not Analyzed
Sodium (mg/L)	10.7	10.2	9.4	10.1	Not Analyzed

White Lake

Trophic State	Acidity	Acid Neutralizing Capacity	Road Salt Influence
Oligotrophic	Circumneutral	Adequate – low sensitivity	High

Water quality values for White Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/12/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	3.2	3.3	6.3	4.2	No Trend
Total Phosphorus (µg/L)	BDL	BDL	3.5	1.9	Decreasing
Chlorophyll-*a* (µg/L)	1.6	1.3	0.2	1.0	Decreasing
Laboratory pH	7.4	7.4	7.5	7.4	No Trend
Sp. Conductance (µS/cm)	196.5	192.8	190.3	193.2	No Trend
Color (Pt-Co)	8.6	11.8	18.2	12.8	No Trend
Alkalinity (mg/L)	16.9	18.0	18.3	17.7	No Trend
Chloride (mg/L)	45.8	44.2	44.6	44.9	Increasing
Calcium (mg/L)	8.8	8.4	8.6	8.6	Not Analyzed
Sodium (mg/L)	26.4	23.7	24.4	24.8	No Trend

Windover Lake

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

Water quality values for Windover Lake during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/12/2021	7/23/2021	8/22/2021	Average	Trend
Transparency (m)	1.7	1.4	1.5	1.5	Not Analyzed
Total Phosphorus (µg/L)	16.5	12.9	28.6	19.3	Not Analyzed
Chlorophyll-*a* (µg/L)	3.4	3.8	7.4	4.9	Not Analyzed
Laboratory pH	7.5	7.5	7.0	7.3	Not Analyzed
Sp. Conductance (µS/cm)	101.6	75.9	53.2	76.9	Not Analyzed
Color (Pt-Co)	56.8	63.2	34.3	51.4	Not Analyzed
Alkalinity (mg/L)	18.5	17.7	12.2	16.1	Not Analyzed
Chloride (mg/L)	16.4	10.9	7.6	11.6	Not Analyzed
Calcium (mg/L)	5.9	4.8	4.2	4.9	Not Analyzed
Sodium (mg/L)	10.4	7.5	5.0	7.7	Not Analyzed

Wolf Lake

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

Water quality values for Wolf Lake during the 2021 sampling season. Historical trend analysis performed in 2018 (updated every five years). Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2021	7/19/2021	8/20/2021	Average	Trend
Transparency (m)	3.2	3.1	2.9	3.0	Decreasing
Total Phosphorus (µg/L)	5.5	4.1	9.0	6.2	Decreasing
Chlorophyll-*a* (µg/L)	2.5	3.9	2.4	2.9	No Trend
Laboratory pH	6.9	7.0	6.7	6.9	No Trend
Sp. Conductance (µS/cm)	19.2	21.2	18.9	19.8	Decreasing
Color (Pt-Co)	27.9	34.3	15.0	25.7	Increasing
Alkalinity (mg/L)	5.2	6.0	6.3	5.9	No Trend
Chloride (mg/L)	0.5	0.5	0.7	0.6	No Trend
Calcium (mg/L)	2.0	1.9	2.1	2.0	Not Analyzed
Sodium (mg/L)	0.8	0.7	0.8	0.8	No Trend

Zack Pond

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

Water quality values for Zack Pond during the 2021 sampling season. Trend analysis will be performed on the next full report and after five years of consecutive data collection. BDL=below detection limit

Water Quality Indicator	7/7/2021	7/28/2021	August	Average	Trend
Transparency (m)	5.3	6.3		5.8	Not Analyzed
Total Phosphorus (µg/L)	6.0	BDL		3.8	Not Analyzed
Chlorophyll-*a* (µg/L)	1.4	0.8	No Sample Submitted	1.1	Not Analyzed
Laboratory pH	7.3	7.3		7.3	Not Analyzed
Sp. Conductance (µS/cm)	15.7	16.3		16.0	Not Analyzed
Color (Pt-Co)	15.0	21.4		18.2	Not Analyzed
Alkalinity (mg/L)	5.4	5.5		5.4	Not Analyzed
Chloride (mg/L)	0.4	BDL		0.3	Not Analyzed
Calcium (mg/L)	1.5	1.7		1.6	Not Analyzed
Sodium (mg/L)	0.7	0.7		0.7	Not Analyzed