

# Adirondack Lake Assessment Program

## 2019 Update

In an effort to improve reporting efficiency, maintain financial viability, and avoid unnecessary redundancies, the Adirondack Lake Assessment Program (ALAP) will move 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 21<sup>st</sup> 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: Corey Laxson, Senior Research Associate. Paul Smith's College Adirondack Watershed Institute. (518) 327-6101. [claxson@paulsmiths.edu](mailto:claxson@paulsmiths.edu)

### Click on the lake name to see the 2019 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
Frank Pond .....	24

Garnet Lake ..... 25

Gull Pond ..... 26

Hewitt Lake ..... 27

Hoel Pond ..... 28

Indian Lake- Franklin County ..... 29

Indian Lake- Hamilton County ..... 30

Jordan Lake ..... 31

Kiwassa Lake ..... 32

Lake Adirondack ..... 33

Lake Clear ..... 34

Lake Colby ..... 35

Lake Durant ..... 36

Lake of the Pines ..... 37

Lake Titus ..... 38

Lens Lake ..... 39

Little Long Lake ..... 40

Long Lake ..... 41

Long Pond ..... 42

Loon Lake- Franklin County ..... 43

Loon Lake- Warren Cnty ..... 44

Lower Chateaugay Lake ..... 45

Lower Saranac Lake ..... 46

Middle Saranac Lake ..... 47

Mink Pond ..... 48

Moss Lake ..... 49

Mountain View Lake ..... 50

Osgood Pond ..... 51

Otter Pond ..... 52

Paradox Lake ..... 53

Pine Lake ..... 54

Pleasant Lake ..... 55

Raquette Lake ..... 56

Rich Lake ..... 57

Silver Lake ..... 58

Simon Pond ..... 59

Star Lake ..... 60

Stony Creek Pond ..... 61

Thirteenth Lake ..... 62

Tripp Pond ..... 63

Trout Lake ..... 64

Tupper Lake ..... 65

Twitchell Lake ..... 66

Upper Chateaugay Lake ..... 67

West Caroga Lake ..... 68

White Lake ..... 69

Windover Lake ..... 70

Wolf Lake ..... 71

# Amber Lake

<b>Trophic State</b> Eutrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
-----------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Amber Lake during the 2019 sampling season. Trend analysis was not performed on calcium data.

Water Quality Indicator	6/19/2019	7/26/2019	8/19/2019	Average	Trend
Transparency (m)	1.8	1.5	1.3	1.5	No Trend
Total Phosphorus (µg/L)	25.5	17.1	16.9	19.8	No Trend
Chlorophyll- <i>a</i> (µg/L)	5.4	4.6	7.8	5.9	No Trend
Laboratory pH	6.4	6.6	6.6	6.6	No Trend
Sp. Conductance (µS/cm)	17.6	22.1	25.5	21.7	No Trend
Color (Pt-Co)	72.9	82.5	82.5	79.3	No Trend
Alkalinity (mg/L)			7.7	7.7	No Trend
Chloride (mg/L)			0.3	0.3	Decreasing
Calcium (mg/L)			2.6	2.6	Not Analyzed
Sodium (mg/L)			1.2	1.2	No Trend

# Arbutus Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Arbutus Lake during the 2019 sampling season. Trend analysis was not performed on calcium data.

Water Quality Indicator	6/17/2019	7/24/2019	8/20/2019	Average	Trend
Transparency (m)	2.4	2.6	3.6	2.9	No Trend
Total Phosphorus (µg/L)	5.2	4.6	5.7	5.2	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.3	1.9	2.1	2.1	Decreasing
Laboratory pH	6.8	6.9	6.6	6.8	No Trend
Sp. Conductance (µS/cm)	13.4	14.9	16.9	15.1	Decreasing
Color (Pt-Co)	47.2	43.9	27.9	39.7	No Trend
Alkalinity (mg/L)			4.1	4.1	No Trend
Chloride (mg/L)			0.4	0.4	No Trend
Calcium (mg/L)			1.9	1.9	Not Analyzed
Sodium (mg/L)			0.9	0.9	No Trend

# Augur Lake

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

Water quality values and historical trends for Augur Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/25/2019	7/26/2019	8/27/2019	Average	Trend
Transparency (m)	3.1	3.1	3.2	3.1	Increasing
Total Phosphorus (µg/L)	15.6	13.1	18.9	15.9	Decreasing
Chlorophyll- <i>a</i> (µg/L)	6.2	4.8	9.4	6.8	No Trend
Laboratory pH	7.8	8.7	8.5	8.3	No Trend
Sp. Conductance (µS/cm)	221.0	226.0	243.0	230.0	No Trend
Color (Pt-Co)	21.4	34.3	31.1	28.9	No Trend
Alkalinity (mg/L)			37.2	37.2	No Trend
Chloride (mg/L)			46.5	46.5	No Trend
Calcium (mg/L)			15.1	15.1	Not Analyzed
Sodium (mg/L)			25.4	25.4	No Trend

# Austin Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b>	<b>Road Salt Influence</b>
--------------------------------------	---------------------------------	-----------------------------------	----------------------------

Water quality values and historical trends for Austin Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/28/2019	7/29/2019	8/23/2019	Average	Trend
Transparency (m)	2.5	2.5	1.6	2.2	No Trends
Total Phosphorus (µg/L)	20.2	12.3	12.0	14.8	No Trends
Chlorophyll- <i>a</i> (µg/L)	2.4	2.8	0.5	1.9	Decreasing
Laboratory pH	6.9	6.8	7.1	6.9	No Trends
Sp. Conductance (µS/cm)	118.1	125.3	128.5	124.0	No Trends
Color (Pt-Co)	50.4	60.0	40.7	50.4	No Trends
Alkalinity (mg/L)			31.4	31.4	Decreasing
Chloride (mg/L)			18.0	18.0	No Trends
Calcium (mg/L)			12.5	12.5	Not Analyzed
Sodium (mg/L)			8.9	8.9	No Trends

# Big Moose Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Big Moose Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	7/27/2019	8/18/2019	9/16/2019	Average	Trends
Transparency (m)	3.0	3.0	3.1	3.0	Decreasing
Total Phosphorus (µg/L)	4.9	3.7	4.3	4.3	Decreasing
Chlorophyll- <i>a</i> (µg/L)	3.5	4.9	2.6	3.7	No Trend
Laboratory pH	6.0	6.3	7.1	6.5	Increasing
Sp. Conductance (µS/cm)	9.8	11.6	12.6	11.3	Decreasing
Color (Pt-Co)	34.3	24.6	37.5	32.1	No Trend
Alkalinity (mg/L)		2.4		2.4	No Trend
Chloride (mg/L)		0.5		0.5	No Trend
Calcium (mg/L)		0.9		0.9	Not Analyzed
Sodium (mg/L)		0.8		0.8	No Trend



# Blue Mountain Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for the Town Bay location of Blue Mountain Lake during the 2019 sampling season. 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	5/30	6/25	7/26	8/20	9/21	Average	Trend
Town Bay							
Transparency (m)	VOB	VOB	VOB	VOB	VOB		No Trend
Total Phosphorus (µg/L)	8.8	3.3	3.2	2.7	3.2	4.2	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.4	0.9	0.8	0.9	1.2	1.4	No Trend
Laboratory pH	7.2	7.1	6.9	6.6	7.0	7.0	Increasing
Sp. Conductance (µS/cm)	79.0	86.4	88.8	97.6	98.9	90.1	No Trend
Color (Pt-Co)	21.4	18.2	5.3	18.2	11.8	15.0	No Trend
Alkalinity (mg/L)				8.4		8.4	No Trend
Chloride (mg/L)				21.6		21.6	No Trend
Calcium (mg/L)				3.4		3.4	Not Analyzed
Sodium (mg/L)				11.7		11.7	No Trend

Water Quality Indicator	5/30	6/25	7/26	8/20	9/21	Average
East Bay						
Transparency (m)	5.2	7.9	9.3	8.5	8.5	7.9
Total Phosphorus ( $\mu\text{g/L}$ )	6.9	2.9	2.8	3.9	3.1	3.9
Chlorophyll- <i>a</i> ( $\mu\text{g/L}$ )	4.0	0.6	0.8	1.1	1.1	1.5
Laboratory pH	7.1	7.1	6.4	6.8	7.1	6.9
Sp. Conductance ( $\mu\text{S/cm}$ )	88.3	87.3	50.1	96.4	100.2	84.5
Color (Pt-Co)	21.4	21.4	5.3	11.8	11.8	14.3
Alkalinity (mg/L)				8.1		8.1
Chloride (mg/L)				21.4		21.4
Calcium (mg/L)				3.6		3.6
Sodium (mg/L)				13.5		13.5
West Bay						
Transparency (m)	5.5	7.3	8.4	8.5	7.9	7.5
Total Phosphorus ( $\mu\text{g/L}$ )	5.6	6.0	2.4	2.4	2.9	3.9
Chlorophyll- <i>a</i> ( $\mu\text{g/L}$ )	4.7	0.8	0.8	1.0	1.3	1.7
Laboratory pH	7.1	7.0	6.6	6.7	7.0	6.9
Sp. Conductance ( $\mu\text{S/cm}$ )	88.1	89.9	94.5	96.4	99.2	93.6
Color (Pt-Co)	15.0	18.2	5.3	8.6	8.6	11.1
Alkalinity (mg/L)				7.8		7.8
Chloride (mg/L)				21.4		21.4
Calcium (mg/L)				3.7		3.7
Sodium (mg/L)				14.1		14.1
Halsch Bay						
Transparency (m)	VOB	VOB	VOB	VOB	VOB	
Total Phosphorus ( $\mu\text{g/L}$ )	14.7	11.8	2.1	3.6	44.3	15.3
Chlorophyll- <i>a</i> ( $\mu\text{g/L}$ )	3.0	0.5	0.7	0.9	1.2	1.3
Laboratory pH	6.7	7.2	6.6	6.7	6.9	6.8
Sp. Conductance ( $\mu\text{S/cm}$ )	93.0	87.1	95.4	96.2	99.9	94.3
Color (Pt-Co)	18.2	18.2	8.6	15.0	11.8	14.3
Alkalinity (mg/L)				7.9		7.9
Chloride (mg/L)				21.5		21.5
Calcium (mg/L)				3.8		3.8
Sodium (mg/L)				13.8		13.8

# Brandreth Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Brandreth Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/24/2019	8/27/2019	Average	Trend
Transparency (m)	8.0	6.0	7.8	7.2	Decreasing
Total Phosphorus (µg/L)	1.4	3.0	2.6	2.3	No Trend
Chlorophyll- <i>a</i> (µg/L)	0.0	0.5	0.9	0.5	No Trend
Laboratory pH	6.5	6.8	7.1	6.8	Increasing
Sp. Conductance (µS/cm)	11.1	11.1	13.2	11.8	Decreasing
Color (Pt-Co)	21.4	21.4	21.4	21.4	No Trend
Alkalinity (mg/L)			2.1	2.1	No Trend
Chloride (mg/L)			0.4	0.4	No Trend
Calcium (mg/L)			1.2	1.2	Not Analyzed
Sodium (mg/L)			0.8	0.8	No Trend

# Butternut Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> High
-------------------------------------	---------------------------------	--	------------------------------------

Water quality values and historical trends for Butternut Pond during the 2019 sampling season. Trend analysis will be performed after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/26/2019	7/18/2019	8/22/2019	Average	Trend
Transparency (m)	3.7	3.3	3.5	3.5	Not Analyzed
Total Phosphorus (µg/L)	12.6	15.6	14.3	14.2	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	1.5	2.0	3.3	2.3	Not Analyzed
Laboratory pH	7.9	7.6	7.4	7.6	Not Analyzed
Sp. Conductance (µS/cm)	230.0	254.0	257.0	247.0	Not Analyzed
Color (Pt-Co)	34.3	34.3	18.2	28.9	Not Analyzed
Alkalinity (mg/L)			32.3	32.3	Not Analyzed
Chloride (mg/L)			58.7	58.7	Not Analyzed
Calcium (mg/L)			12.7	12.7	Not Analyzed
Sodium (mg/L)			31.4	31.4	Not Analyzed

# Canada Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Canada Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2019	7/23/2019	8/19/2019	Average	Trend
Transparency (m)	5.5	4.7	4.3	4.8	No Trend
Total Phosphorus (µg/L)	6.7	5.1	4.5	5.4	No Trend
Chlorophyll- <i>a</i> (µg/L)	1.3	2.5	5.3	3.0	No Trend
Laboratory pH	6.6	6.3	6.6	6.5	No Trend
Sp. Conductance (µS/cm)	36.1	38.8	41.9	38.9	No Trend
Color (Pt-Co)	24.6	31.1	27.9	27.9	No Trend
Alkalinity (mg/L)			5.4	5.4	No Trend
Chloride (mg/L)			8.1	8.1	Increasing
Calcium (mg/L)			1.6	1.6	Not Analyzed
Sodium (mg/L)			4.4	4.4	No Trend

# Catlin Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Catlin Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/25/2019	8/19/2019	Average	Trend
Transparency (m)	4.0	3.3	3.0	3.4	No Trend
Total Phosphorus (µg/L)	6.2	5.2	4.4	5.3	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.2	4.9	4.2	3.4	No Trend
Laboratory pH	6.7	7.1	6.6	6.8	No Trend
Sp. Conductance (µS/cm)	14.7	16.5	18.5	16.6	Decreasing
Color (Pt-Co)	37.5	34.3	31.1	34.3	No Trend
Alkalinity (mg/L)			5.9	5.9	No Trend
Chloride (mg/L)			0.4	0.4	No Trend
Calcium (mg/L)			1.9	1.9	Not Analyzed
Sodium (mg/L)			1.0	1.0	No Trend

# Chase's Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
-------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Chase's Lake during the 2019 sampling season. Trend analysis will be performed after five years of data have been analyzed. BDL=below detection limit.

Water Quality Indicator	6/17/2019	7/24/2019	8/23/2019	Average	Trend
Transparency (m)	2.1	2.3	2.1	2.1	Not Analyzed
Total Phosphorus (µg/L)	9.4	7.7	6.4	7.9	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	4.9	3.7	4.8	4.4	Not Analyzed
Laboratory pH	6.9	6.8	6.7	6.8	Not Analyzed
Sp. Conductance (µS/cm)	21.4	21.8	22.2	21.8	Not Analyzed
Color (Pt-Co)	47.2	66.5	60.0	57.9	Not Analyzed
Alkalinity (mg/L)			7.6	7.6	Not Analyzed
Chloride (mg/L)			1.2	1.2	Not Analyzed
Calcium (mg/L)			2.5	2.5	Not Analyzed
Sodium (mg/L)			1.3	1.3	Not Analyzed

# Chazy Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Chazy Lake during the 2019 sampling season. 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	6/16/2019	7/26/2019	8/20/2019	Average	Trend
	Eagle Point				
Transparency (m)	3.7	4.9	6.9	5.2	Decreasing
Total Phosphorus (µg/L)	9.2	3.9	5.3	6.1	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.0	1.9	2.5	2.5	No Trend
Laboratory pH	8.6	7.8	8.3	8.2	No Trend
Sp. Conductance (µS/cm)	71.9	37.4	77.0	62.1	No Trend
Color (Pt-Co)	18.2	15.0	18.2	17.1	Increasing
Alkalinity (mg/L)			19.5	19.5	No Trend
Chloride (mg/L)			10.0	10.0	No Trend
Calcium (mg/L)			5.3	5.3	Not Analyzed
Sodium (mg/L)			5.7	5.7	No Trend

\*See table of content for description of water quality indicators



## Chazy Continued

Water Quality Indicator	6/16/2019	7/26/2019	8/20/2019	Average
Halfway Point				
Transparency (m)	4.4	5.6	5.8	4.4
Total Phosphorus ( $\mu\text{g/L}$ )	6.4	4.8	4.0	6.4
Chlorophyll- <i>a</i> ( $\mu\text{g/L}$ )	2.4	1.9	1.8	2.4
Laboratory pH	8.1	7.9	8.0	8.1
Sp. Conductance ( $\mu\text{S/cm}$ )	70.7	73.2	82.8	70.7
Color (Pt-Co)	18.2	15.0	11.8	18.2
Alkalinity (mg/L)			20.5	
Chloride (mg/L)			9.6	
Calcium (mg/L)			5.6	
Sodium (mg/L)			5.4	
South Inlet				
Transparency (m)	4.5	3.8	4.2	4.2
Total Phosphorus ( $\mu\text{g/L}$ )	11.6	6.1	5.7	7.8
Chlorophyll- <i>a</i> ( $\mu\text{g/L}$ )	2.6	2.0	1.7	2.1
Laboratory pH	8.2	8.0	8.1	8.1
Sp. Conductance ( $\mu\text{S/cm}$ )	68.6	73.0	74.6	72.1
Color (Pt-Co)	11.8	21.4	15.0	16.1
Alkalinity (mg/L)			20.6	20.6
Chloride (mg/L)			9.8	9.8
Calcium (mg/L)			6.0	6.0
Sodium (mg/L)			6.0	6.0

# Cranberry Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
-------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Cranberry Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/27/2019	8/17/2019	Average	Trend
Transparency (m)	3.2	4.3	3.5	3.6	Decreasing
Total Phosphorus (µg/L)	7.8	6.1	8.2	7.4	Decreasing
Chlorophyll- <i>a</i> (µg/L)	3.0	4.2	3.2	3.5	No Trend
Laboratory pH	6.4	6.4	6.3	6.4	Increasing
Sp. Conductance (µS/cm)	13.7	14.6	18.1	15.4	Decreasing
Color (Pt-Co)	63.2	40.7	31.1	45.0	No Trend
Alkalinity (mg/L)			4.2	4.2	No Trend
Chloride (mg/L)			0.8	0.8	No Trend
Calcium (mg/L)			1.4	1.4	Not Analyzed
Sodium (mg/L)			1.1	1.1	No Trend

# Deer Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Deer Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit. VOB=Secchi disk was visible on the bottom of the lake.

Water Quality Indicator	6/17/2019	7/23/2019	8/20/2019	Average	Trend
Transparency (m)	3.1	VOB	2.8	3.0	No Trend
Total Phosphorus (µg/L)	9.9	6.9	6.1	7.6	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.8	2.4	2.0	2.1	No Trend
Laboratory pH	6.7	7.8	6.7	7.1	No Trend
Sp. Conductance (µS/cm)	15.7	18.6	20.3	18.2	Decreasing
Color (Pt-Co)	40.7	37.5	43.9	40.7	No Trend
Alkalinity (mg/L)			6.7	6.7	Decreasing
Chloride (mg/L)			0.2	0.2	No Trend
Calcium (mg/L)			2.3	2.3	Not Analyzed
Sodium (mg/L)			1.1	1.1	No Trend

# Eagle Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> High
--------------------------------------	---------------------------------	---	------------------------------------

Water quality values and historical trends for Eagle Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/26/2019	8/28/2019	Average	Trend
Transparency (m)	5.9	6.0	5.9	5.9	No Trend
Total Phosphorus (µg/L)	5.5	7.8	4.1	5.8	No Trend
Chlorophyll- <i>a</i> (µg/L)	0.6	0.7	1.4	0.9	Decreasing
Laboratory pH	7.0	7.2	7.0	7.1	No Trend
Sp. Conductance (µS/cm)	100.3	101.9	106.0	102.7	No Trend
Color (Pt-Co)	15.0	21.4	11.8	16.1	No Trend
Alkalinity (mg/L)			10.3	10.3	No Trend
Chloride (mg/L)			24.2	24.2	No Trend
Calcium (mg/L)			6.9	6.9	Not Analyzed
Sodium (mg/L)			14.3	14.3	No Trend

# East Caroga Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> High
--------------------------------------	---------------------------------	--	------------------------------------

Water quality values for East Caroga Lake during the 2019 sampling season. Trend analysis will be performed after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/23/2019	8/20/2019	Average	Trend
Transparency (m)	3.3	3.4	4.2	3.6	Not Analyzed
Total Phosphorus (µg/L)	8.8	7.9	5.4	7.4	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	2.5	3.1	2.2	2.6	Not Analyzed
Laboratory pH	7.5	7.5	7.4	7.4	Not Analyzed
Sp. Conductance (µS/cm)	152.5	151.3	150.3	151.4	Not Analyzed
Color (Pt-Co)	24.6	27.9	15.0	22.5	Not Analyzed
Alkalinity (mg/L)			25.5	25.5	Not Analyzed
Chloride (mg/L)			28.2	28.2	Not Analyzed
Calcium (mg/L)			9.5	9.5	Not Analyzed
Sodium (mg/L)			16.2	16.2	Not Analyzed

# Eli Pond

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

Water quality values and historical trends for Eli Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/15/2019	7/20/2019	8/17/2019	Average	Trend
Transparency (m)	3.7	3.7	3.7	3.7	No Trend
Total Phosphorus (µg/L)	7.7	10.4	13.3	10.5	No Trend
Chlorophyll- <i>a</i> (µg/L)	1.6	4.2	4.3	3.4	No Trend
Laboratory pH	6.6	7.3	7.1	7.0	No Trend
Sp. Conductance (µS/cm)	27.9	32.8	36.2	32.3	Decreasing
Color (Pt-Co)	31.1	37.5	43.9	37.5	No Trend
Alkalinity (mg/L)			16.8	16.8	Decreasing
Chloride (mg/L)			0.4	0.4	No Trend
Calcium (mg/L)			4.4	4.4	Not Analyzed
Sodium (mg/L)			1.1	1.1	No Trend

# Fern Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Present - Low
-------------------------------------	----------------------------	---	---

Water quality values and historical trends for Fern Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/19/2019	7/21/2019	8/23/2019	Average	Trend
Transparency (m)	3.7	3.5	3.5	3.6	No Trend
Total Phosphorus (µg/L)	8.3	8.2	9.4	8.6	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.0	3.1	4.6	3.6	No Trend
Laboratory pH	7.6	7.1	7.2	7.3	No Trend
Sp. Conductance (µS/cm)	46.2	47.8	51.5	48.5	No Trend
Color (Pt-Co)	21.4	21.4	31.1	24.6	No Trend
Alkalinity (mg/L)			17.4	17.4	No Trend
Chloride (mg/L)			4.2	4.2	No Trend
Calcium (mg/L)			5.0	5.0	Not Analyzed
Sodium (mg/L)			2.7	2.7	No Trend

# Frank Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Frank Pond during the 2019 sampling season. Trend analysis will be performed after five years of data collection. BDL=below detection limit.

Water Quality Indicator	5/31/2019	6/27/2019	7/18/2019	Average	Trend
Transparency (m)	5.2	4.2	4.0	4.4	Not Analyzed
Total Phosphorus (µg/L)	6.4	7.3	10.2	8.0	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	0.7	2.1	0.3	1.0	Not Analyzed
Laboratory pH	7.0	7.4	7.1	7.1	Not Analyzed
Sp. Conductance (µS/cm)	11.3	10.5	11.7	11.1	Not Analyzed
Color (Pt-Co)	24.6	21.4	24.6	23.6	Not Analyzed
Alkalinity (mg/L)			4.1	4.1	Not Analyzed
Chloride (mg/L)			0.7	0.7	Not Analyzed
Calcium (mg/L)			1.6	1.6	Not Analyzed
Sodium (mg/L)			0.7	0.7	Not Analyzed



# Garnet Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Not Significant
--------------------------------------	----------------------------	---	---

Water quality values and historical trends for Garnet Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/23/2019	8/24/2019	Average	Trend
Transparency (m)	3.9	3.7	4.1	3.9	No Trend
Total Phosphorus (µg/L)	15.5	12.8	12.8	13.7	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.6	4.0	3.5	3.7	No Trend
Laboratory pH	6.8	7.4	6.8	7.0	Increasing
Sp. Conductance (µS/cm)	23.3	22.6	25.7	23.9	Decreasing
Color (Pt-Co)	34.3	37.5	31.1	34.3	No Trend
Alkalinity (mg/L)			10.3	10.3	Decreasing
Chloride (mg/L)			0.5	0.5	No Trend
Calcium (mg/L)			2.8	2.8	Not Analyzed
Sodium (mg/L)			1.0	1.0	No Trend

# Gull Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Gull Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/23/2019	8/20/2019	Average	Trend
Transparency (m)	5.5	4.5	5.5	5.2	No Trend
Total Phosphorus (µg/L)	5.4	4.7	3.6	4.6	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.2	1.8	1.2	1.4	Decreasing
Laboratory pH	6.8	6.8	7.3	7.0	No Trend
Sp. Conductance (µS/cm)	20.0	20.9	24.2	21.7	Decreasing
Color (Pt-Co)	21.4	21.4	18.2	20.3	No Trend
Alkalinity (mg/L)			6.6	6.6	No Trend
Chloride (mg/L)			1.7	1.7	No Trend
Calcium (mg/L)			1.9	1.9	Not Analyzed
Sodium (mg/L)			1.3	1.3	No Trend

# Hewitt Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Hewitt Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/28/2019	7/30/2019	8/26/2019	Average	Trend
Transparency (m)	4.2	3.1	3.5	3.6	No Trend
Total Phosphorus (µg/L)	12.5	4.8	6.2	7.8	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.4	1.5	2.8	2.2	No Trend
Laboratory pH	6.8	7.2	7.5	7.2	Increasing
Sp. Conductance (µS/cm)	14.2	14.8	17.9	15.6	Decreasing
Color (Pt-Co)	37.5	27.9	18.2	27.9	No Trend
Alkalinity (mg/L)			4.8	4.8	No Trend
Chloride (mg/L)			0.6	0.6	No Trend
Calcium (mg/L)			1.9	1.9	Not Analyzed
Sodium (mg/L)			1.0	1.0	No Trend

# Hoel Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - low
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Hoel Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	7/20/2019	8/15/2019	9/25/2019	Average	Trend
Transparency (m)	5.5	4.7	5.8	5.3	No Trend
Total Phosphorus (µg/L)	4.7	4.8	4.3	4.6	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.3	1.8	2.6	2.2	No Trend
Laboratory pH	6.7	6.6	6.9	6.7	Increasing
Sp. Conductance (µS/cm)	13.8	16.3	16.3	15.5	No Trend
Color (Pt-Co)	18.2	18.2	15.0	17.1	No Trend
Alkalinity (mg/L)		4.8	4.9	4.8	No Trend
Chloride (mg/L)		0.4	0.5	0.4	No Trend
Calcium (mg/L)		1.4	3.2	2.3	Not Analyzed
Sodium (mg/L)		0.7	0.7	0.7	No Trend

# Indian Lake- Franklin County

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Not Significant
-------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Indian Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/29/2019	7/21/2019	8/22/2019	Average	Trend
Transparency (m)	2.1	1.9	2.2	2.0	No Trend
Total Phosphorus (µg/L)	10.9	10.5	21.0	14.1	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.7	2.7	5.7	4.0	No Trend
Laboratory pH	6.9	7.0	7.3	7.1	No Trend
Sp. Conductance (µS/cm)	20.7	30.5	25.8	25.7	Decreasing
Color (Pt-Co)	50.4	43.9	34.3	42.9	No Trend
Alkalinity (mg/L)			10.4	10.4	Decreasing
Chloride (mg/L)			0.6	0.6	No Trend
Calcium (mg/L)			2.3	2.3	Not Analyzed
Sodium (mg/L)			1.0	1.0	No Trend

# Indian Lake- Hamilton County

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
-------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Indian Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/16/2019	7/28/2019	8/18/2019	Average	Trend
Transparency (m)	4.1	4.1	3.9	4.0	No Trend
Total Phosphorus (µg/L)	4.0	5.8	5.4	5.1	No Trend
Chlorophyll- <i>a</i> (µg/L)	2.3	3.4	3.8	3.1	No Trend
Laboratory pH	6.6	6.8	6.8	6.7	Increasing
Sp. Conductance (µS/cm)	23.0	25.4	27.7	25.4	No Trend
Color (Pt-Co)	27.9	34.3	27.9	30.0	No Trend
Alkalinity (mg/L)			4.8	4.8	No Trend
Chloride (mg/L)			3.9	3.9	No Trend
Calcium (mg/L)			1.6	1.6	Not Analyzed
Sodium (mg/L)			2.4	2.4	No Trend

# Jordan Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
-------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Jordan Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/19/2019	7/26/2019	8/19/2019	Average	Trend
Transparency (m)	1.5	1.0	1.3	1.3	No Trend
Total Phosphorus (µg/L)	12.5	24.6	17.0	18.0	No Trend
Chlorophyll- <i>a</i> (µg/L)	2.3	21.1	6.6	10.0	Decreasing
Laboratory pH	6.2	6.9	6.6	6.6	No Trend
Sp. Conductance (µS/cm)	16.9	19.0	22.2	19.4	No Trend
Color (Pt-Co)	117.9	140.5	98.6	119.0	No Trend
Alkalinity (mg/L)			5.1	5.1	No Trend
Chloride (mg/L)			0.4	0.4	No Trend
Calcium (mg/L)			2.2	2.2	Not Analyzed
Sodium (mg/L)			1.0	1.0	No Trend

# Kiwassa Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Kiwassa Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/21/2019	8/25/2019	Average	Trend
Transparency (m)	4.0	4.7	6.0	4.9	No Trend
Total Phosphorus (µg/L)	13.4	7.0	7.5	9.3	No Trend
Chlorophyll- <i>a</i> (µg/L)	2.4	2.2	1.9	2.1	No Trend
Laboratory pH	7.1	7.1	7.2	7.1	No Trend
Sp. Conductance (µS/cm)	57.1	66.2	66.9	63.4	No Trend
Color (Pt-Co)	27.9	21.4	11.8	20.3	No Trend
Alkalinity (mg/L)			12.3	12.3	Decreasing
Chloride (mg/L)			9.0	9.0	No Trend
Calcium (mg/L)			4.9	4.9	Not Analyzed
Sodium (mg/L)			5.4	5.4	No Trend



# Lake Adirondack

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> High– not Sensitive	<b>Road Salt Influence</b> Moderate
-------------------------------------	----------------------------	--	--

Water quality values and historical trends for Lake Adirondack during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/25/2019	8/25/2019	9/29/2019	Average	Trend
Transparency (m)	2.1	2.3	2.0	2.1	No Trend
Total Phosphorus (µg/L)	19.0	17.5	11.5	16.0	No Trend
Chlorophyll- <i>a</i> (µg/L)	4.2	0.0	4.8	3.0	No Trend
Laboratory pH	7.6	6.9	7.7	7.4	No Trend
Sp. Conductance (µS/cm)	96.0	111.8	111.8	106.5	No Trend
Color (Pt-Co)	27.9	18.2	31.1	25.7	No Trend
Alkalinity (mg/L)		28.8		28.8	Decreasing
Chloride (mg/L)		13.6		13.6	No Trend
Calcium (mg/L)		11.0		11.0	Not Analyzed
Sodium (mg/L)		8.0		8.0	No Trend

# Lake Clear

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> High
--------------------------------------	---------------------------------	---	------------------------------------

Water quality values and historical trends for Lake Clear during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/20/2019	8/23/2019	Average	Trend
Transparency (m)	4.4	5.5	4.0	4.6	No Trend
Total Phosphorus (µg/L)	10.1	18.5	5.9	11.5	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.1	1.6	2.4	2.0	No Trend
Laboratory pH	7.8	6.8	7.0	7.2	No Trend
Sp. Conductance (µS/cm)	103.2	109.5	113.0	108.6	Increasing
Color (Pt-Co)	27.9	27.9	24.6	26.8	No Trend
Alkalinity (mg/L)			15.1	15.1	Increasing
Chloride (mg/L)			21.1	21.1	Increasing
Calcium (mg/L)			5.3	5.3	Not Analyzed
Sodium (mg/L)			11.7	11.7	No Trend

# Lake Colby

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> High
--------------------------------------	----------------------------	--	------------------------------------

Water quality values and historical trends for Lake Colby during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/29/2019	7/20/2019	8/25/2019	Average	Trend
Transparency (m)	3.3	4.0	4.0	3.8	No Trend
Total Phosphorus (µg/L)	4.3	5.5	2.1	4.0	No Trend
Chlorophyll- <i>a</i> (µg/L)	4.7	2.5	2.3	3.2	No Trend
Laboratory pH	7.6	8.1	7.8	7.8	No Trend
Sp. Conductance (µS/cm)	245.0	247.0	262.0	251.3	No Trend
Color (Pt-Co)	11.8	21.4	11.8	15.0	No Trend
Alkalinity (mg/L)			30.2	30.2	No Trend
Chloride (mg/L)			57.6	57.6	No Trend
Calcium (mg/L)			13.3	13.3	Not Analyzed
Sodium (mg/L)			31.4	31.4	No Trend

# Lake Durant

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Lake Colby during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/28/2019	Trend
Transparency (m)	2.1	No Trend
Total Phosphorus (µg/L)	17.8	No Trend
Chlorophyll- <i>a</i> (µg/L)	5.1	No Trend
Laboratory pH	6.8	No Trend
Sp. Conductance (µS/cm)	28.6	No Trend
Color (Pt-Co)	101.8	No Trend
Alkalinity (mg/L)		No Trend
Chloride (mg/L)		No Trend
Calcium (mg/L)		Not Analyzed
Sodium (mg/L)		No Trend

# Lake of the Pines

<b>Trophic State</b> Eutrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Not Significant
-----------------------------------	---------------------------------	---	---

Water quality values and historical trends for Lake of the Pines during the 2019 sampling season. 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	6/22/2019	7/28/2019	8/24/2019	6/22/2019	Trend
Transparency (m)	2.7	2.5	2.2	2.7	No Trend
Total Phosphorus (µg/L)	7.6	8.8	8.7	7.6	Decreasing
Chlorophyll- <i>a</i> (µg/L)	6.0	5.3	5.5	6.0	No Trend
Laboratory pH	6.8	6.8	7.1	6.8	No Trend
Sp. Conductance (µS/cm)	24.9	27.5	33.7	24.9	No Trend
Color (Pt-Co)	53.6	53.6	47.2	53.6	No Trend
Alkalinity (mg/L)			11.7		Decreasing
Chloride (mg/L)			1.4		Decreasing
Calcium (mg/L)			3.4		Not Analyzed
Sodium (mg/L)			1.6		No Trend

# Lake Titus

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Lake Titus during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	7/28/2019	8/26/2019	9/21/2019	Average	Trend
Transparency (m)	3.0	3.0	4.1	3.4	No Trend
Total Phosphorus (µg/L)	11.7	7.6	10.1	9.8	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.9	4.1	3.1	3.4	No Trend
Laboratory pH	7.8	7.5	6.9	7.4	No Trend
Sp. Conductance (µS/cm)	82.2	89.8	93.8	88.6	No Trend
Color (Pt-Co)	24.6	27.9	18.2	23.6	No Trend
Alkalinity (mg/L)		16.7	18.2	17.5	No Trend
Chloride (mg/L)		13.8	14.7	14.3	No Trend
Calcium (mg/L)		5.2	5.5	5.3	Not Analyzed
Sodium (mg/L)		8.7	9.1	8.9	No Trend

# Lens Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
-------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Lens Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/15/2019	7/31/2019	8/18/2019	Average	Trend
Transparency (m)	1.9	1.3		1.6	No Trend
Total Phosphorus (µg/L)	18.8	23.8	18.4	20.3	No Trend
Chlorophyll- <i>a</i> (µg/L)	5.4	9.9	4.0	6.5	No Trend
Laboratory pH	6.4	6.9	7.4	6.9	No Trend
Sp. Conductance (µS/cm)	10.7	11.9	12.7	11.8	Decreasing
Color (Pt-Co)	56.8	92.2	72.9	74.0	No Trend
Alkalinity (mg/L)			2.6	2.6	No Trend
Chloride (mg/L)			0.6	0.6	No Trend
Calcium (mg/L)			1.0	1.0	Not Analyzed
Sodium (mg/L)			0.7	0.7	No Trend

# Little Long Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Little Long Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/15/2019	7/21/2019	8/20/2019	Average	Trend
Transparency (m)	3.8	2.6	3.2	3.2	Decreasing
Total Phosphorus (µg/L)	6.4	12.5	5.8	8.2	Decreasing
Chlorophyll- <i>a</i> (µg/L)	3.3	4.0	1.7	3.0	No Trend
Laboratory pH	7.5	7.5	6.8	7.2	No Trend
Sp. Conductance (µS/cm)	60.0	68.8	72.4	67.1	No Trend
Color (Pt-Co)	47.2	69.7	47.1	54.7	No Trend
Alkalinity (mg/L)			9.0	9.0	No Trend
Chloride (mg/L)			14.4	14.4	No Trend
Calcium (mg/L)			4.1	4.1	Not Analyzed
Sodium (mg/L)			10.7	10.7	No Trend



# Long Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
-------------------------------------	---------------------------------	---	---

Water quality values for Long Lake during the 2019 sampling season. Trend analysis will be performed after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/21/2019	8/23/2019	Average	Trend
Transparency (m)	3.3	3.3	3.6	3.4	Not Analyzed
Total Phosphorus (µg/L)	13.4	5.3	6.2	8.3	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	2.1	5.3	3.7	3.7	Not Analyzed
Laboratory pH	7.1	7.9	7.2	7.4	Not Analyzed
Sp. Conductance (µS/cm)	27.3	29.8	37.2	31.4	Not Analyzed
Color (Pt-Co)	43.9	43.9	27.9	38.6	Not Analyzed
Alkalinity (mg/L)			6.4	6.4	Not Analyzed
Chloride (mg/L)			5.7	5.7	Not Analyzed
Calcium (mg/L)			2.3	2.3	Not Analyzed
Sodium (mg/L)			4.0	4.0	Not Analyzed

# Long Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> Moderate
-------------------------------------	----------------------------	--	--

Water quality values and historical trends for Long Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/20/2019	8/25/2019	Average	Trend
Transparency (m)	3.1	3.3	3.4	3.2	No Trend
Total Phosphorus (µg/L)	12.0	9.2	8.5	9.9	Decreasing
Chlorophyll- <i>a</i> (µg/L)	3.3	2.2	3.3	2.9	No Trend
Laboratory pH	7.8	8.1	7.9	7.9	No Trend
Sp. Conductance (µS/cm)	138.9	138.0	146.8	141.2	No Trend
Color (Pt-Co)	31.1	21.4	24.6	25.7	No Trend
Alkalinity (mg/L)			46.9	46.9	Decreasing
Chloride (mg/L)			12.9	12.9	No Trend
Calcium (mg/L)			14.5	14.5	Not Analyzed
Sodium (mg/L)			8.6	8.6	No Trend

# Loon Lake- Franklin County

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

Water quality values and historical trends for Loon Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/22/2019	7/26/2019	8/20/2019	Average	Trend
North Basin					
Transparency (m)	4.1	5.5	6.2	5.3	No Trend
Total Phosphorus (µg/L)	7.7	7.0	5.8	6.8	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.9	2.2	2.0	2.3	Decreasing
Laboratory pH	7.4	7.5	6.8	7.2	Increasing
Sp. Conductance (µS/cm)	36.7	39.4	40.9	39.0	Decreasing
Color (Pt-Co)	21.4	15.0	11.8	16.1	No Trend
Alkalinity (mg/L)			13.7	13.7	No Trend
Chloride (mg/L)			3.3	3.3	No Trend
Calcium (mg/L)			3.7	3.7	Not Analyzed
Sodium (mg/L)			2.2	2.2	No Trend

Water Quality Indicator	6/22/2019	7/26/2019	8/20/2019	Average
South Basin				
Transparency (m)	3.5	5.1	5.8	4.8
Total Phosphorus (µg/L)	12.3	4.4	5.6	7.4
Chlorophyll- <i>a</i> (µg/L)	3.4	1.5	1.6	2.1
Laboratory pH	7.2	7.3	6.9	7.1
Sp. Conductance (µS/cm)	33.4	37.4	39.9	36.9
Color (Pt-Co)	31.1	18.2	18.2	22.5
Alkalinity (mg/L)			13.4	13.4
Chloride (mg/L)			2.9	2.9
Calcium (mg/L)			3.6	3.6
Sodium (mg/L)			2.0	2.0

# Loon Lake- Warren Cnty.

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> High
-------------------------------------	----------------------------	---	------------------------------------

Water quality values and historical trends for Loon Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/22/2019	7/25/2019	8/24/2019	Average	Trend
Transparency (m)	2.9	3.6	4.4	3.6	No Trend
Total Phosphorus (µg/L)	15.5	12.5	12.1	13.4	No Trend
Chlorophyll- <i>a</i> (µg/L)	10.9	4.5	3.7	6.3	No Trend
Laboratory pH	6.9	7.3	7.0	7.1	No Trend
Sp. Conductance (µS/cm)	98.8	103.6	112.3	104.9	No Trend
Color (Pt-Co)	31.1	31.1	21.4	27.9	No Trend
Alkalinity (mg/L)			17.0	17.0	No Trend
Chloride (mg/L)			19.2	19.2	No Trend
Calcium (mg/L)			6.5	6.5	Not Analyzed
Sodium (mg/L)			11.9	11.9	No Trend

# Lower Chateaugay Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> Moderate
-------------------------------------	---------------------------------	--	--

Water quality values and historical trends for Lower Chateaugay Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/26/2019	8/18/2019	Average	Trend
Transparency (m)	2.9	2.8	2.7	2.8	No Trend
Total Phosphorus (µg/L)	13.0	13.1	26.3	17.5	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.8	9.0	16.2	9.7	Decreasing
Laboratory pH	7.8	7.8	7.3	7.6	No Trend
Sp. Conductance (µS/cm)	60.5	87.4	93.3	80.4	No Trend
Color (Pt-Co)	34.3	34.3	27.9	32.1	No Trend
Alkalinity (mg/L)			30.8	30.8	Decreasing
Chloride (mg/L)			8.4	8.4	No Trend
Calcium (mg/L)			9.3	9.3	Not Analyzed
Sodium (mg/L)			6.4	6.4	No Trend

# Lower Saranac Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
-------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Lower Saranac Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/23/2019	8/22/2019	Average	Trend
Transparency (m)	3.2	3.2	3.3	3.2	No Trend
Total Phosphorus (µg/L)	16.0	12.5	13.2	13.9	No Trend
Chlorophyll- <i>a</i> (µg/L)	3.6	6.3	3.4	4.5	No Trend
Laboratory pH	7.0	7.2	7.4	7.2	No Trend
Sp. Conductance (µS/cm)	63.1	69.8	68.7	67.2	No Trend
Color (Pt-Co)	43.9	40.7	27.9	37.5	No Trend
Alkalinity (mg/L)			11.6	11.6	Decreasing
Chloride (mg/L)			11.1	11.1	No Trend
Calcium (mg/L)			4.4	4.4	Not Analyzed
Sodium (mg/L)			6.6	6.6	No Trend

# Middle Saranac Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
-------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Middle Saranac Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/21/2019	7/20/2019	8/18/2019	Average	Trend
Transparency (m)	3.6	2.7	4.0	3.4	No Trend
Total Phosphorus (µg/L)	15.9	17.2	15.3	16.1	No Trend
Chlorophyll- <i>a</i> (µg/L)	5.8	5.4	3.8	5.0	No Trend
Laboratory pH	7.1	6.8	7.1	7.0	No Trend
Sp. Conductance (µS/cm)	52.0	51.1	58.9	54.0	No Trend
Color (Pt-Co)	37.5	37.5	31.1	35.4	Increasing
Alkalinity (mg/L)			11.1	11.1	Decreasing
Chloride (mg/L)			9.2	9.2	No Trend
Calcium (mg/L)			3.2	3.2	Not Analyzed
Sodium (mg/L)			5.5	5.5	No Trend

# Mink Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Mink Pond during the 2019 sampling season. Trend analysis will be performed after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/27/2019	7/19/2019	8/22/2019	Average	Trend
Transparency (m)	3.1	2.2	2.3	2.5	Not Analyzed
Total Phosphorus (µg/L)	8.4	6.5	6.7	7.2	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	1.2	3.3	3.2	2.5	Not Analyzed
Laboratory pH	7.0	6.8	6.9	6.9	Not Analyzed
Sp. Conductance (µS/cm)	17.3	18.9	22.5	19.6	Not Analyzed
Color (Pt-Co)	53.6	63.2	37.5	51.4	Not Analyzed
Alkalinity (mg/L)			8.4	8.4	Not Analyzed
Chloride (mg/L)			0.4	0.4	Not Analyzed
Calcium (mg/L)			2.9	2.9	Not Analyzed
Sodium (mg/L)			0.7	0.7	Not Analyzed



# Moss Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Moss Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/19/2019	7/24/2019	8/20/2019	Average	Trend
Transparency (m)					No Trend
Total Phosphorus (µg/L)	50.7	3.6	4.3	19.5	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.6	0.6	0.2	0.8	Decreasing
Laboratory pH	6.4	6.7	6.8	6.6	No Trend
Sp. Conductance (µS/cm)	16.0	18.2	21.0	18.4	Decreasing
Color (Pt-Co)	40.7	47.2	40.7	42.9	No Trend
Alkalinity (mg/L)			5.8	5.8	No Trend
Chloride (mg/L)			0.6	0.6	No Trend
Calcium (mg/L)			2.5	2.5	Not Analyzed
Sodium (mg/L)			1.5	1.5	No Trend

# Mountain View Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Well buffered- not sensitivity	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Mountain View Lake during the 2019 sampling season. 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	6/29/2019	7/21/2019	8/22/2019	Average	Trend
Transparency (m)	1.6	1.2	2.0	1.6	No Trend
Total Phosphorus (µg/L)	26.9	26.5	18.4	23.9	No Trend
Chlorophyll- <i>a</i> (µg/L)	5.9	2.9	1.7	3.5	Decreasing
Laboratory pH	7.3	7.0	7.6	7.3	No Trend
Sp. Conductance (µS/cm)	58.9	59.6	75.5	64.7	No Trend
Color (Pt-Co)	53.6	79.3	40.7	57.9	No Trend
Alkalinity (mg/L)			32.5	32.5	No Trend
Chloride (mg/L)			0.6	0.6	No Trend
Calcium (mg/L)			8.3	8.3	Not Analyzed
Sodium (mg/L)			1.4	1.4	Decreasing

# Osgood Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
-------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Osgood Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/17/2019	7/25/2019	8/22/2019	Average	Trend
Transparency (m)	1.7	1.9	1.8	1.8	No Trend
Total Phosphorus (µg/L)	18.9	17.8	18.3	18.3	No Trend
Chlorophyll- <i>a</i> (µg/L)	6.1	11.3	5.6	7.7	No Trend
Laboratory pH	6.9	7.2	7.3	7.1	No Trend
Sp. Conductance (µS/cm)	57.6	65.3	70.9	64.6	Increasing
Color (Pt-Co)	79.3	72.9	43.9	65.4	No Trend
Alkalinity (mg/L)			18.4	18.4	Decreasing
Chloride (mg/L)			8.9	8.9	No Trend
Calcium (mg/L)			6.1	6.1	Not Analyzed
Sodium (mg/L)			5.4	5.4	No Trend

# Otter Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Acidic (threatened)	<b>Acid Neutralizing Capacity</b> Low	<b>Road Salt Influence</b> Not Significant
-------------------------------------	---------------------------------------	--	---

Water quality values and historical trends for Otter Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. VOB=Secchi disk is visible on the bottom of the lake.

Water Quality Indicator	6/19/2019	7/26/2019	8/19/2019	Average	Trend
Transparency (m)	1.6	1.2	1.3	1.4	No Trend
Total Phosphorus (µg/L)	13.1	22.1	11.3	15.5	No Trend
Chlorophyll- <i>a</i> (µg/L)	2.3	4.8	4.3	3.8	No Trend
Laboratory pH	5.2	5.2	5.1	5.2	No Trend
Sp. Conductance (µS/cm)	8.4	7.9	8.8	8.4	Decreasing
Color (Pt-Co)	76.1	92.2	66.5	78.3	No Trend
Alkalinity (mg/L)			0.9	0.9	No Trend
Chloride (mg/L)			0.3	0.3	Decreasing
Calcium (mg/L)			0.4	0.4	Not Analyzed
Sodium (mg/L)			0.6	0.6	No Trend

# Paradox Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
--------------------------------------	----------------------------	---	--

Water quality values and historical trends for Paradox Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	5/23/2019	6/22/2019	7/24/2019	8/23/2019	9/28/2019	Average	Trend
Upper							
Transparency (m)	3.1	2.8	3.5	3.8	4.2	3.5	No Trend
Total Phosphorus (µg/L)	6.3	7.6	6.6	11.7	5.3	7.5	No Trend
Chlorophyll- <i>a</i> (µg/L)	1.3	3.0	2.9	2.0	3.1	2.5	No Trend
Laboratory pH	7.3	8.4	8.2	7.5	8.0	7.9	No Trend
Sp. Conductance (µS/cm)	66.8	66.5	83.2	86.1	87.6	78.0	No Trend
Color (Pt-Co)	34.3	31.1	27.9	24.6	24.6	28.5	No Trend
Alkalinity (mg/L)				26.8		26.8	No Trend
Chloride (mg/L)				8.5		8.5	No Trend
Calcium (mg/L)				8.9		8.9	Not Analyzed
Sodium (mg/L)				5.6		5.6	No Trend

Water Quality Indicator	5/23/2019	6/22/2019	7/24/2019	8/23/2019	9/28/2019	Average
Lower						
Transparency (m)	3.5	3.9	4.5	4.8	5.4	4.4
Total Phosphorus (µg/L)	15.0	5.7	5.0	7.9	4.4	7.6
Chlorophyll- <i>a</i> (µg/L)	1.7	2.3	2.0	2.8	2.2	2.2
Laboratory pH	8.4	7.9	7.6	7.5	7.8	7.8
Sp. Conductance (µS/cm)	69.7	67.4	72.2	79.6	80.6	73.9
Color (Pt-Co)	31.1	27.9	40.7	27.9	15.0	28.5
Alkalinity (mg/L)				22.9		22.9
Chloride (mg/L)				8.9		8.9
Calcium (mg/L)				7.6		7.6

# Pine Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Pine Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/24/2019	8/20/2019	Average	Trend
Transparency (m)	4.4	4.4	5.1	4.6	No Trend
Total Phosphorus ( $\mu\text{g/L}$ )	5.5	7.8	5.0	6.1	No Trend
Chlorophyll- <i>a</i> ( $\mu\text{g/L}$ )	1.9	1.7	2.2	1.9	Decreasing
Laboratory pH	6.8	6.9	7.2	7.0	Increasing
Sp. Conductance ( $\mu\text{S/cm}$ )	9.5	9.8	11.4	10.2	Decreasing
Color (Pt-Co)	21.4	40.7	18.2	26.8	No Trend
Alkalinity (mg/L)			2.3	2.3	No Trend
Chloride (mg/L)			0.5	0.5	Decreasing
Calcium (mg/L)			0.8	0.8	Not Analyzed
Sodium (mg/L)			0.7	0.7	No Trend

# Pleasant Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Pleasant Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/29/2019	8/25/2019	Average	Trend
Transparency (m)	4.0	5.8	7.0	5.6	No Trend
Total Phosphorus (µg/L)	11.2	8.3	6.4	8.6	No Trend
Chlorophyll- <i>a</i> (µg/L)	1.4	1.1	1.9	1.5	No Trend
Laboratory pH	6.8	7.0	6.8	6.9	Increasing
Sp. Conductance (µS/cm)	14.7	17.4	18.6	16.9	Decrease
Color (Pt-Co)	11.8	11.8	15.0	12.8	No Trend
Alkalinity (mg/L)			4.1	4.1	No Trend
Chloride (mg/L)			2.4	2.4	No Trend
Calcium (mg/L)			1.3	1.3	Not Analyzed
Sodium (mg/L)			1.4	1.4	No Trend

# Raquette Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present- low
--------------------------------------	---------------------------------------	---	--

Water quality values and historical trends for Raquette Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/22/2019	7/20/2019	8/20/2019	Average	Trend
Transparency (m)	4.3	2.9	3.8	3.6	Decreasing
Total Phosphorus (µg/L)	6.9	4.7	4.6	5.4	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.3	2.8	3.6	2.9	No Trend
Laboratory pH	6.8	7.3	6.4	6.8	Increasing
Sp. Conductance (µS/cm)	32.2	32.9	35.6	33.6	No Trend
Color (Pt-Co)	47.2	43.9	31.1	40.7	No Trend
Alkalinity (mg/L)			5.0	5.0	Increasing
Chloride (mg/L)			6.1	6.1	No Trend
Calcium (mg/L)			2.5	2.5	Not Analyzed
Sodium (mg/L)			4.7	4.7	No Trend



# Rich Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Present - Low
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Rich Lake during the 2019 sampling season. Trend analysis was not performed on calcium. BDL=below detection limit.

Water Quality Indicator	6/17/2019	7/25/2019	8/20/2019	Average	Trend
Transparency (m)	3.5	3.7	4.2	3.8	No Trend
Total Phosphorus (µg/L)	12.7	6.7	5.5	8.3	Decreasing
Chlorophyll- <i>a</i> (µg/L)	0.9	2.6	1.9	1.8	Decreasing
Laboratory pH	6.6	7.2	7.1	7.0	No Trend
Sp. Conductance (µS/cm)	29.7	34.9	38.2	34.3	No Trend
Color (Pt-Co)	53.6	47.2	43.9	48.2	No Trend
Alkalinity (mg/L)			8.9	8.9	No Trend
Chloride (mg/L)			4.8	4.8	Increasing
Calcium (mg/L)			3.2	3.2	Not Analyzed
Sodium (mg/L)			2.9	2.9	No Trend

# Silver Lake

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

Water quality values and historical trends for Silver Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/21/2019	7/24/2019	8/23/2019	Average	Trend
Transparency (m)	6.1	6.3	6.6	6.3	No Trend
Total Phosphorus (µg/L)	4.2	5.8	4.0	4.6	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.4	1.7	1.3	1.5	No Trend
Laboratory pH	7.0	7.0	7.1	7.0	No Trend
Sp. Conductance (µS/cm)	42.8	46.9	49.7	46.5	Increasing
Color (Pt-Co)	21.4	15.0	8.6	15.0	No Trend
Alkalinity (mg/L)			12.8	12.8	No Trend
Chloride (mg/L)			6.0	6.0	Increasing
Calcium (mg/L)			4.0	4.0	Not Analyzed
Sodium (mg/L)			3.1	3.1	No Trend

# Simon Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Simon Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/23/2019	8/13/2019	Average	Trend
Transparency (m)	2.1	2.8	2.7	2.5	Increasing
Total Phosphorus (µg/L)	7.9	6.1	6.1	6.7	No Trend
Chlorophyll- <i>a</i> (µg/L)	0.6	0.0	0.0	0.2	Decreasing
Laboratory pH	6.6	6.7	6.8	6.7	No Trend
Sp. Conductance (µS/cm)	18.5	27.7	30.1	25.4	Decreasing
Color (Pt-Co)	43.9	43.9	34.3	40.7	No Trend
Alkalinity (mg/L)			7.6	7.6	No Trend
Chloride (mg/L)			3.6	3.6	No Trend
Calcium (mg/L)			2.1	2.1	Not Analyzed
Sodium (mg/L)			2.3	2.3	No Trend

# Star Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values and historical trends for Star Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/21/2019	7/20/2019	8/22/2019	Average	Trend
Transparency (m)	4.3	6.3	6.3	5.6	No Trend
Total Phosphorus (µg/L)	23.9	9.3	5.6	12.9	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.1	0.3	0.0	0.5	No Trend
Laboratory pH	6.9	7.0	7.3	7.0	No Trend
Sp. Conductance (µS/cm)	64.7	65.1	70.7	66.8	No Trend
Color (Pt-Co)	34.3	8.6	8.6	17.1	No Trend
Alkalinity (mg/L)			12.6	12.6	No Trend
Chloride (mg/L)			12.4	12.4	No Trend
Calcium (mg/L)			3.8	3.8	Not Analyzed
Sodium (mg/L)			7.6	7.6	No Trend

# Stony Creek Pond

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

Water quality values and historical trends for Stony Creek Pond during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality	5/22/2019	6/23/2019	7/23/2019	8/20/2019	9/21/2019	Average	Trend
Transparency (m)	2.6	3.1	2.5	3.8	3.3	3.0	No Trend
Total Phosphorus (µg/L)	9.8	8.8	8.2	4.5	11.1	8.5	Decreasing
Chlorophyll- <i>a</i> (µg/L)	3.8	0.3	0.4	1.6	1.9	1.6	Decreasing
Laboratory pH	6.9	6.8	6.9	7.6	7.0	7.0	No Trend
Sp. Conductance (µS/cm)	30.5	27.1	32.7	35.6	42.4	33.7	No Trend
Color (Pt-Co)	40.7	47.2	40.7	27.9	34.3	38.1	No Trend
Alkalinity (mg/L)				10.3		10.3	Decreasing
Chloride (mg/L)				3.1		3.1	No Trend
Calcium (mg/L)				3.9		3.9	Not Analyzed
Sodium (mg/L)				2.7		2.7	No Trend

# Thirteenth Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Thirteenth Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/26/2019	8/22/2019	Average	Trend
Transparency (m)	3.4	5.3	4.1	4.3	No Trend
Total Phosphorus (µg/L)	3.8	3.1	3.6	3.5	No Trend
Chlorophyll- <i>a</i> (µg/L)	1.3	0.9	2.4	1.5	No Trend
Laboratory pH	7.3	7.0	7.0	7.1	Increasing
Sp. Conductance (µS/cm)	18.0	19.3	21.8	19.7	Decreasing
Color (Pt-Co)	27.9	21.4	11.8	20.3	No Trend
Alkalinity (mg/L)			7.2	7.2	No Trend
Chloride (mg/L)			1.0	1.0	No Trend
Calcium (mg/L)			2.2	2.2	Not Analyzed
Sodium (mg/L)			1.0	1.0	No Trend

# Tripp Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	--	--

Water quality values and historical trends for Tripp Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/15/2019	7/28/2019	8/17/2019	Average	Trend
Transparency (m)	2.0	3.9	3.7	3.2	No Trend
Total Phosphorus (µg/L)	6.6	4.8	4.7	5.4	No Trend
Chlorophyll- <i>a</i> (µg/L)	5.9	2.5	3.3	3.9	No Trend
Laboratory pH	7.6	7.0	7.1	7.2	No Trend
Sp. Conductance (µS/cm)	93.4	104.1	119.6	105.7	No Trend
Color (Pt-Co)	40.7	34.3	37.5	37.5	No Trend
Alkalinity (mg/L)			25.9	25.9	Decreasing
Chloride (mg/L)			18.0	18.0	No Trend
Calcium (mg/L)			9.6	9.6	Not Analyzed
Sodium (mg/L)			9.8	9.8	No Trend

# Trout Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> Moderate
--------------------------------------	----------------------------	--	--

Water quality values and historical trends for Trout Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/21/2019	8/25/2019	Average	Trend
Transparency (m)	5.2	5.3	5.8	5.4	No Trend
Total Phosphorus (µg/L)	4.4	5.9	7.1	5.8	Decreasing
Chlorophyll- <i>a</i> (µg/L)	2.3	1.7	3.5	2.5	No Trend
Laboratory pH	8.2	8.2	8.1	8.1	Increasing
Sp. Conductance (µS/cm)	114.3	122.3	126.7	121.1	Increasing
Color (Pt-Co)	18.2	21.4	15.0	18.2	No Trend
Alkalinity (mg/L)			23.4	23.4	No Trend
Chloride (mg/L)			19.4	19.4	Increasing
Calcium (mg/L)			8.9	8.9	Not Analyzed
Sodium (mg/L)			11.4	11.4	No Trend



# Tupper Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Present - Low
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Tupper Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/23/2019	8/13/2019	Average	Trend
Transparency (m)	2.1	3.7	2.4	2.7	No Trend
Total Phosphorus (µg/L)	9.3	4.6	5.7	6.5	Decreasing
Chlorophyll- <i>a</i> (µg/L)	4.8	1.1	2.9	2.9	No Trend
Laboratory pH	6.8	6.7	6.7	6.7	No Trend
Sp. Conductance (µS/cm)	24.4	27.2	29.5	27.0	Decreasing
Color (Pt-Co)	50.4	43.9	34.3	42.9	No Trend
Alkalinity (mg/L)			5.5	5.5	No Trend
Chloride (mg/L)			3.7	3.7	No Trend
Calcium (mg/L)			2.1	2.1	Not Analyzed
Sodium (mg/L)			3.3	3.3	No Trend

# Twitchell Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Acidic (acceptable)	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------------	---	---

Water quality values and historical trends for Twitchell Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/16/2019	7/21/2019	8/17/2019	Average	Trend
Transparency (m)	2.8	3.1	2.4	2.7	No Trend
Total Phosphorus (µg/L)	9.0	5.9	7.9	7.6	Decreasing
Chlorophyll- <i>a</i> (µg/L)	4.5	2.9	5.2	4.2	No Trend
Laboratory pH	5.9	6.3	6.2	6.1	Increasing
Sp. Conductance (µS/cm)	7.7	8.1	9.7	8.5	Decreasing
Color (Pt-Co)	40.7	37.5	24.6	34.3	Increasing
Alkalinity (mg/L)			2.2	2.2	No Trend
Chloride (mg/L)			0.4	0.4	No Trend
Calcium (mg/L)			0.6	0.6	Not Analyzed
Sodium (mg/L)			0.6	0.6	No Trend

# Upper Chateaugay Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Well buffered – not sensitive	<b>Road Salt Influence</b> Moderate
-------------------------------------	---------------------------------	--	--

Water quality values and historical trends for Upper Chateaugay Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/23/2019	7/26/2019	8/18/2019	Average	Trend
Transparency (m)	4.1	4.1	3.9	4.0	No Trend
Total Phosphorus (µg/L)	5.6	6.8	6.9	6.4	Decreasing
Chlorophyll- <i>a</i> (µg/L)	3.4	2.3	2.7	2.8	Decreasing
Laboratory pH	7.8	7.2	6.8	7.3	No Trend
Sp. Conductance (µS/cm)	61.2	70.9	75.4	69.2	No Trend
Color (Pt-Co)	40.7	40.7	24.6	35.4	No Trend
Alkalinity (mg/L)			25.0	25.0	No Trend
Chloride (mg/L)			6.6	6.6	No Trend
Calcium (mg/L)			6.6	6.6	Not Analyzed
Sodium (mg/L)			4.2	4.2	No Trend

# West Caroga Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> Moderate
--------------------------------------	---------------------------------	---	--

Water quality values for West Caroga Lake during the 2019 sampling season. Trend analysis will be performed after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/23/2019	8/20/2019	Average	Trend
Transparency (m)	3.7	4.4	4.4	4.2	Not Analyzed
Total Phosphorus (µg/L)	6.6	4.9	5.0	5.5	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	2.4	2.1	2.9	2.5	Not Analyzed
Laboratory pH	6.8	7.3	7.1	7.1	Not Analyzed
Sp. Conductance (µS/cm)	84.3	87.8	92.7	88.3	Not Analyzed
Color (Pt-Co)	27.9	27.9	21.4	25.7	Not Analyzed
Alkalinity (mg/L)			15.4	15.4	Not Analyzed
Chloride (mg/L)			16.8	16.8	Not Analyzed
Calcium (mg/L)			5.7	5.7	Not Analyzed
Sodium (mg/L)			11.3	11.3	Not Analyzed

# White Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> High
--------------------------------------	---------------------------------	---	------------------------------------

Water quality values and historical trends for White Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/21/2019	8/18/2019	Average	Trend
Transparency (m)	7.9	8.4	7.5	7.9	No Trend
Total Phosphorus (µg/L)	2.5	3.6	4.0	3.4	Decreasing
Chlorophyll- <i>a</i> (µg/L)	0.7	0.9	0.6	0.7	Decreasing
Laboratory pH	7.0	7.4	6.9	7.1	No Trend
Sp. Conductance (µS/cm)	174.6	176.7	181.9	177.7	No Trend
Color (Pt-Co)	11.8	5.3	15.0	10.7	No Trend
Alkalinity (mg/L)			16.3	16.3	No Trend
Chloride (mg/L)			43.8	43.8	Increasing
Calcium (mg/L)			7.6	7.6	Not Analyzed
Sodium (mg/L)			23.8	23.8	No Trend

# Windover Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate – low sensitivity	<b>Road Salt Influence</b> High
-------------------------------------	----------------------------	---	------------------------------------

Water quality values for Windover Lake during the 2019 sampling season. Trend analysis will be performed after five years of consecutive data collection. BDL=below detection limit.

Water Quality Indicator	6/27/2019	7/29/2019	8/20/2019	Average	Trend
Transparency (m)	1.8	2.2	1.9	1.9	Not Analyzed
Total Phosphorus (µg/L)	14.9	12.8	15.2	14.3	Not Analyzed
Chlorophyll- <i>a</i> (µg/L)	BDL	3.3	3.5	2.3	Not Analyzed
Laboratory pH	7.4	7.5	7.0	7.3	Not Analyzed
Sp. Conductance (µS/cm)	56.3	92.2	108.3	85.6	Not Analyzed
Color (Pt-Co)	50.4	53.6	40.7	48.2	Not Analyzed
Alkalinity (mg/L)			20.5	20.5	Not Analyzed
Chloride (mg/L)			18.2	18.2	Not Analyzed
Calcium (mg/L)			6.9	6.9	Not Analyzed
Sodium (mg/L)			12.4	12.4	Not Analyzed

# Wolf Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
--------------------------------------	---------------------------------	---	---

Water quality values and historical trends for Wolf Lake during the 2019 sampling season. Trend analysis was not performed on calcium data. BDL=below detection limit.

Water Quality Indicator	6/18/2019	7/24/2019	8/19/2019	Average	Trend
Transparency (m)	4.0	2.3	2.5	2.9	Decreasing
Total Phosphorus (µg/L)	3.5	5.0	4.8	4.4	Decreasing
Chlorophyll- <i>a</i> (µg/L)	1.3	2.2	2.6	2.0	No Trend
Laboratory pH	7.3	7.4	6.4	7.0	No Trend
Sp. Conductance (µS/cm)	14.3	14.9	16.9	15.4	Decreasing
Color (Pt-Co)	24.6	34.3	34.3	31.1	Increasing
Alkalinity (mg/L)			4.3	4.3	No Trend
Chloride (mg/L)			0.3	0.3	No Trend
Calcium (mg/L)			1.8	1.8	Not Analyzed
Sodium (mg/L)			0.8	0.8	No Trend