

# Adirondack Lake Assessment Program

## 2023 Update

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

For more information on ALAP and participating lakes please see the comprehensive report: ***Adirondack Lake Assessment Program 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.

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

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

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Recommended citation: Wiltse B., Courville C., Hall J.R., Treibergs L.A., Vara C., & Yerger E.C. 2023. Adirondack Lake Assessment Program: 2023 Update. Adirondack Watershed Institute, Paul Smiths, NY USA.

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# Amber Lake

<b>Trophic State</b> Eutrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Amber Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/16/2023	Average
Laboratory pH	7.3	7.0	6.7	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	26.3	26.9	25.1	26.1
Apparent Color (mg/L Pt-Co)	50.4	56.8	89.0	65.4
CDOM ( $\mu\text{g}/\text{L}$ )	149.0	169.4	189.7	169.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	4.8	10.4	11.7	9.0
Transparency (m)	1.7	1.7	1.5	1.6
Alkalinity (mg/L as $\text{CaCO}_3$ )	7.1	7.6	8.1	7.6
Chloride (mg/L)	0.6	BDL	BDL	0.4
Sulfate (mg/L as $\text{SO}_4$ )	3.5	3.2	2.8	3.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	18.5	29.4	24.5	24.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	26.8	BDL	15.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	402.4	410.0	377.1	396.5
Dissolved Organic Carbon (mg/L)	6.2	8.2	10.0	8.1
Calcium (mg/L)	2.5	3.3	3.1	3.0
Sodium (mg/L)	1.0	1.0	1.0	1.0

# Arbutus Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Arbutus Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/19/2023	8/2023	Average
Laboratory pH	7.1	6.2		6.6
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	18.2	18.7		18.5
Apparent Color (mg/L Pt-Co)	31.1	72.9		52.0
CDOM ( $\mu\text{g}/\text{L}$ )	139.1	258.4		198.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.4	1.4		1.4
Transparency (m)	2.9	3.0		2.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.4	2.7		3.6
Chloride (mg/L)	BDL	BDL		BDL
Sulfate (mg/L as $\text{SO}_4$ )	2.4	2.1		2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.2	6.8		6.5
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL		BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	32.8		21.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	226.4	333.4		279.9
Dissolved Organic Carbon (mg/L)	4.9	7.8		6.4
Calcium (mg/L)	2.0	2.0		2.0
Sodium (mg/L)	0.7	0.6		0.7

Not Sampled Due To Storm Damage

# Augur Lake

<b>Trophic State</b> Eutrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for Augur Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2023	7/20/2023	8/28/2023	Average
Laboratory pH	7.3	7.4	7.8	7.5
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	207.0	206.0	218.0	210.3
Apparent Color (mg/L Pt-Co)	24.6	27.9	56.8	36.4
CDOM ( $\mu\text{g}/\text{L}$ )	94.5	111.7	130.1	112.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.9	10.6	20.7	11.4
Transparency (m)	3.3	1.9	1.4	2.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	36.5	38.3	45.1	40.0
Chloride (mg/L)	38.3	38.7	38.7	38.6
Sulfate (mg/L as $\text{SO}_4$ )	3.5	3.2	2.5	3.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	17.7	23.5	31.2	24.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	23.3	BDL	14.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	373.9	361.2	500.6	411.9
Dissolved Organic Carbon (mg/L)	3.6	4.3	4.6	4.1
Calcium (mg/L)	14.2	15.1	15.2	14.8
Sodium (mg/L)	21.4	21.2	23.2	21.9

# Austin Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for Austin Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/26/2023	7/24/2023	8/20/2023	Average
Laboratory pH	7.2	6.7	6.9	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	112.3	111.2	111.5	111.7
Apparent Color (mg/L Pt-Co)	27.9	47.2	72.9	49.3
CDOM ( $\mu\text{g}/\text{L}$ )	119.1	158.8	167.3	148.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.7	6.1	0.3	2.7
Transparency (m)	2.0	0.9	1.0	1.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	27.3	30.5	31.7	29.8
Chloride (mg/L)	16.9	14.5	14.6	15.3
Sulfate (mg/L as $\text{SO}_4$ )	2.3	1.8	1.6	1.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	13.8	20.4	11.1	15.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	271.8	272.0	263.7	269.2
Dissolved Organic Carbon (NPOC mg/L)	4.0	5.0	5.0	4.7
Calcium (mg/L)	10.8	11.7	12.1	11.5
Sodium (mg/L)	8.8	7.9	7.9	8.2

# Big Moose Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Low	<b>Road Salt Influence</b> Not Significant
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Water quality values for Big Moose Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/24/2023	7/15/2023	8/12/2023	Average
Laboratory pH	7.3	6.9	6.8	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	13.4	13.4	13.3	13.4
Apparent Color (mg/L Pt-Co)	43.9	27.9	43.9	38.6
CDOM ( $\mu\text{g}/\text{L}$ )	161.0	182.6	187.5	177.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	2.1	0.3	1.1
Transparency (m)	4.2	3.2	3.0	3.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	BDL	BDL	BDL
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )	1.7	1.6	1.3	1.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	4.0	5.9	5.4	5.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	85.1	42.1	17.6	48.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	24.8	BDL	14.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	398.9	352.9	261.4	337.7
Dissolved Organic Carbon (mg/L)	4.9	6.6	5.8	5.8
Calcium (mg/L)	1.2	1.3	1.5	1.3
Sodium (mg/L)	0.7	0.7	0.6	0.7



# Biggsby Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Biggsby Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/22/2023	8/18/2023	Average
Laboratory pH	7.0	6.5	6.6	6.7
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	16.1	14.7	15.9	15.6
Apparent Color (mg/L Pt-Co)	15.0	11.8	21.4	16.1
CDOM ( $\mu\text{g}/\text{L}$ )	82.4	74.9	66.3	74.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.9	1.2	2.2	1.4
Transparency (m)	5.3	4.1	5.0	4.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.4	4.0	4.8	4.4
Chloride (mg/L)	0.9	BDL	BDL	0.5
Sulfate (mg/L as $\text{SO}_4$ )	2.0	1.8	1.6	1.8
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.1	4.4	3.9	5.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	33.8	26.0	BDL	23.3
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	232.6	225.9	194.2	217.6
Dissolved Organic Carbon (mg/L)	3.2	3.6	3.4	3.4
Calcium (mg/L)	2.3	1.7	2.0	2.0
Sodium (mg/L)	0.7	0.7	0.7	0.7

# Blue Mountain Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Moderate
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Water quality values for Blue Mountain Lake during the 2023 sampling season. BDL= Below Detection Limit.

## East Bay

Water Quality Indicator	5/23/2023	6/22/2023	7/23/2023	8/16/2023	9/7/2023	Average
Laboratory pH	6.8	7.3	7.6	6.7	6.8	7.0
Sp. Conductance (µS/cm @ 25°C)	90.8	92.3	86.9	86.3	87.2	88.7
Apparent Color (mg/L Pt-Co)	15.0	11.8	11.8	34.3	18.2	18.2
CDOM (µg/L)	68.1	55.5	117.3	99.9	79.3	84.0
Chlorophyll-a (µg/L)	0.8	0.6	1.2	1.9	1.3	1.1
Transparency (m)	8.2	8.8	5.5	5.8	6.3	6.9
Alkalinity (mg/L as CaCO <sub>3</sub> )	8.4	8.5	8.1	8.5	8.7	8.5
Chloride (mg/L)	19.9	20.4	18.9	18.4	18.6	19.2
Sulfate (mg/L as SO <sub>4</sub> )	2.4	2.2	2.1	2.1	2.1	2.2
Total Phosphorus (µg/L as P)	13.9	3.6	3.6	3.9	4.3	5.8
Nitrate-Nitrite (µg/L as N)	29.6	BDL	BDL	BDL	BDL	7.9
Ammonia (µg/L as NH <sub>3</sub> -N)	BDL	BDL	23.8	BDL	BDL	12.8
Total Nitrogen (µg/L)	216.8	226.1	250.9	194.6	257.2	229.1
Dissolved Organic Carbon (mg/L)	3.4	3.6	4.2	4.2	4.2	3.9
Calcium (mg/L)	4.0	3.9	3.9	3.8	3.8	3.9
Sodium (mg/L)	12.5	12.6	11.4	12.6	12.2	12.3

## Halsch Bay

Laboratory pH	6.7	7.2	7.4	6.7	7.3	7.1
Sp. Conductance (µS/cm @ 25°C)	80.0	85.8	78.5	85.9	88.1	83.7
Apparent Color (mg/L Pt-Co)	18.2	8.6	2.1	18.2	24.6	14.3
CDOM (µg/L)	54.1	54.3	93.3	95.8	92.2	77.9
Chlorophyll-a (µg/L)	0.9	0.5	1.1	1.7	0.9	1.0
Transparency (m)			Not Measured			
Alkalinity (mg/L as CaCO <sub>3</sub> )	8.1	7.8	7.7	8.3	9.2	8.2
Chloride (mg/L)	17.4	18.4	16.7	18.2	18.8	17.9
Sulfate (mg/L as SO <sub>4</sub> )	2.2	2.0	2.0	2.1	2.1	2.1
Total Phosphorus (µg/L as P)	3.7	3.2	3.6	4.7	3.1	3.6
Nitrate-Nitrite (µg/L as N)	23.7	BDL	BDL	BDL	BDL	6.7
Ammonia (µg/L as NH <sub>3</sub> -N)	BDL	BDL	25.0	BDL	BDL	13.0
Total Nitrogen (µg/L)	197.1	291.7	242.6	213.2	210.6	231.0
Dissolved Organic Carbon (mg/L)	3.2	3.2	3.9	4.1	3.9	3.6
Calcium (mg/L)	3.7	3.6	3.6	3.7	3.9	3.7
Sodium (mg/L)	11.0	11.3	10.1	12.0	12.4	11.4

## **Town Bay**

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Laboratory pH	6.8	6.8	7.5	6.6	6.9	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	70.4	91.0	86.5	86.4	86.0	84.1
Apparent Color (mg/L Pt-Co)	11.8	11.8	11.8	21.4	24.6	16.3
CDOM ( $\mu\text{g}/\text{L}$ )	45.3	57.9	114.6	85.3	87.5	78.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.6	0.5	0.9	1.0	1.3	0.9
Transparency (m)			Not Measured			
Alkalinity (mg/L as $\text{CaCO}_3$ )	7.2	5.8	8.3	8.5	8.9	7.7
Chloride (mg/L)	15.1	20.5	18.8	18.5	18.3	18.2
Sulfate (mg/L as $\text{SO}_4$ )	1.9	2.1	2.1	2.1	2.1	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	4.0	3.5	4.3	5.1	4.0	4.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	23.1	30.1	BDL	BDL	BDL	12.1
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	33.5	BDL	BDL	14.7
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	244.7	277.8	273.1	231.2	234.4	252.2
Dissolved Organic Carbon (mg/L)	3.5	3.7	4.1	5.0	4.6	4.2
Calcium (mg/L)	3.4	3.9	3.9	3.8	3.8	3.8
Sodium (mg/L)	9.4	12.2	11.5	12.6	11.9	11.5

## **West Bay**

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Laboratory pH	6.8	7.4	7.7	6.7	6.9	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	76.0	82.9	79.5	85.5	84.5	81.7
Apparent Color (mg/L Pt-Co)	15.0	8.6	8.6	27.9	24.6	16.9
CDOM ( $\mu\text{g}/\text{L}$ )	68.7	45.3	99.0	94.7	73.6	76.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	0.6	1.2	2.0	1.2	1.2
Transparency (m)	8.1	8.8	6.1	7.0	6.6	7.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	7.3	8.0	7.7	6.4	8.8	7.6
Chloride (mg/L)	16.8	18.2	17.2	18.2	18.3	17.7
Sulfate (mg/L as $\text{SO}_4$ )	2.1	2.0	2.0	2.1	2.1	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.1	6.5	3.4	5.7	3.8	4.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	23.3	BDL	BDL	BDL	BDL	6.7
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	27.0	BDL	BDL	13.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	193.8	184.7	250.6	216.9	233.4	215.9
Dissolved Organic Carbon (mg/L)	3.2	3.2	3.9	4.1	4.1	3.7
Calcium (mg/L)	3.5	3.5	3.6	3.7	3.8	3.6
Sodium (mg/L)	10.5	11.0	10.3	12.0	11.8	11.1

# Brandreth Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Brandreth Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/17/2023	8/17/2023	Average
Laboratory pH	7.2	6.3	7.3	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	13.7	12.8	13.9	13.5
Apparent Color (mg/L Pt-Co)	27.9	2.1	18.2	16.1
CDOM ( $\mu\text{g}/\text{L}$ )	74.9	84.7	100.4	86.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.5	0.4	0.7	0.5
Transparency (m)	8.8	7.0	7.3	7.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	2.9	BDL	3.1	2.4
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )	2.1	2.2	2.2	2.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	3.7	3.1	3.0	3.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	90.4	78.4	60.5	76.4
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	21.2	36.0	23.8	27.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	298.2	278.5	293.1	289.9
Dissolved Organic Carbon (mg/L)	3.1	3.5	3.4	3.3
Calcium (mg/L)	1.3	1.3	1.2	1.3
Sodium (mg/L)	0.6	0.6	0.6	0.6

# Butternut Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for Butternut Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/24/2023	7/18/2023	8/17/2023	Average
Laboratory pH	7.5	7.4	7.4	7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	153.3	169.9	184.0	169.1
Apparent Color (mg/L Pt-Co)	31.1	21.4	27.9	26.8
CDOM ( $\mu\text{g}/\text{L}$ )	82.2	98.3	165.8	115.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.4	1.8	5.2	3.5
Transparency (m)	3.2	3.2	3.0	3.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	25.6	29.4	37.0	30.7
Chloride (mg/L)	30.8	32.9	33.5	32.4
Sulfate (mg/L as $\text{SO}_4$ )	2.4	2.1	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	17.2	12.1	9.4	12.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	23.7	BDL	14.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	259.0	351.6	341.9	317.5
Dissolved Organic Carbon (mg/L)	3.3	3.4	17.7	8.1
Calcium (mg/L)	9.9	10.2	10.9	10.3
Sodium (mg/L)	18.9	20.7	22.8	20.8

# Canada Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Canada Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	5/22/2023	6/21/2023	7/20/2023	8/16/2023	9/1/2023	Average
Laboratory pH		7.2	7.1	6.6	7.0	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	Missing Due To Lab Error	42.5	45.1	43.3	43.9	43.7
Apparent Color (mg/L Pt-Co)		21.4	21.4	37.5	31.1	27.9
CDOM ( $\mu\text{g}/\text{L}$ )		104.9	128.9	133.4	140.2	126.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.8	1.1	1.5	2.3	2.3	1.6
Transparency (m)	5.1	5.4	4.7	5.3	5.4	5.2
Alkalinity (mg/L as $\text{CaCO}_3$ )		4.5	5.0	5.3	5.7	5.1
Chloride (mg/L)	Missing Due To Lab Error	7.8	7.8	7.6	7.5	7.7
Sulfate (mg/L as $\text{SO}_4$ )		1.9	1.9	1.9	1.8	1.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)		4.2	4.1	3.3	4.3	4.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	Missing Due To Lab Error	95.7	38.4	46.2	33.7	53.5
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )		BDL	23.3	22.6	BDL	16.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )		276.3	268.0	293.5	210.2	262.0
Dissolved Organic Carbon (mg/L)	Missing Due To Lab Error	3.3	4.2	4.2	4.1	4.0
Calcium (mg/L)		2.0	2.4	2.2	2.7	2.3
Sodium (mg/L)		4.7	4.9	5.1	5.1	4.9

# Catlin Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Catlin Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/2023	8/2023	Average
Laboratory pH	7.4			7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	19.4			19.4
Apparent Color (mg/L Pt-Co)	34.3			34.3
CDOM ( $\mu\text{g}/\text{L}$ )	124.1			124.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.9			2.9
Transparency (m)	3.2			3.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.2			5.2
Chloride (mg/L)	BDL			BDL
Sulfate (mg/L as $\text{SO}_4$ )	2.0			2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.2			7.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	26.3			26.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL			BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	384.2			384.2
Dissolved Organic Carbon (mg/L)	4.3			4.3
Calcium (mg/L)	2.1			2.1
Sodium (mg/L)	0.9			0.9

Not Sampled Due To Storm Damage

Not Sampled Due To Storm Damage

# Chazy Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Chazy Lake during the 2023 sampling season. BDL = below detection limit. VOB = visible on bottom.

## Eagle Point

Water Quality Indicator	6/21/2023	7/18/2023	8/15/2023	Average
Laboratory pH	7.2	7.2	7.6	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	84.3	78.7	80.2	81.1
Apparent Color (mg/L Pt-Co)	66.5	18.2	15.0	33.2
CDOM ( $\mu\text{g}/\text{L}$ )	85.5	120.4	123.0	109.6
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.1	1.6	2.6	1.8
Transparency (m)	5.5	4.2	4.3	4.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	22.8	22.4	23.1	22.8
Chloride (mg/L)	11.7	9.6	9.4	10.2
Sulfate (mg/L as $\text{SO}_4$ )	2.4	1.9	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.2	7.7	6.6	7.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	24.4	29.3	20.7	24.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	68.2	308.3	291.9	222.8
Dissolved Organic Carbon (mg/L)	4.0	4.0	26.7	11.6
Calcium (mg/L)	7.2	6.5	6.5	6.7
Sodium (mg/L)	6.8	6.4	6.4	6.5

## Halfway Point

Laboratory pH	7.2	7.3	7.5	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	83.6	78.2	79.1	80.3
Apparent Color (mg/L Pt-Co)	18.2	21.4	18.2	19.3
CDOM ( $\mu\text{g}/\text{L}$ )	86.0	137.4	112.4	112.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	1.8	2.7	1.8
Transparency (m)	5.9	3.9	5.1	4.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	22.7	21.0	22.6	22.1
Chloride (mg/L)	11.7	9.6	9.4	10.2
Sulfate (mg/L as $\text{SO}_4$ )	2.4	1.9	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.5	6.4	8.5	6.8
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.4	30.7	BDL	20.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	745.7	337.7	319.5	467.6
Dissolved Organic Carbon (mg/L)	4.0	4.1	13.2	7.1
Calcium (mg/L)	7.2	6.5	6.8	6.8
Sodium (mg/L)	6.8	6.3	6.3	6.5



## South Inlet

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Laboratory pH	7.3	7.3	7.6	7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	81.6	76.9	78.3	78.9
Apparent Color (mg/L Pt-Co)	47.2	18.2	24.6	30.0
CDOM ( $\mu\text{g}/\text{L}$ )	101.6	135.9	120.7	119.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	1.9	2.4	1.8
Transparency (m)	VOB	4.0	VOB	4.0
Alkalinity (mg/L as $\text{CaCO}_3$ )	23.2	21.5	23.2	22.6
Chloride (mg/L)	11.3	9.1	8.8	9.7
Sulfate (mg/L as $\text{SO}_4$ )	2.4	1.9	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.0	6.1	6.9	6.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	23.3	30.6	BDL	21.3
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	303.7	304.0	275.8	294.5
Dissolved Organic Carbon (mg/L)	3.9	4.1	4.6	4.2
Calcium (mg/L)	7.2	6.4	6.4	6.6
Sodium (mg/L)	6.4	6.1	6.0	6.2

# Clear Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Clear Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/15/2023	8/20/2023	Average
Laboratory pH	7.7	7.2	6.4	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	18.1	18.6	16.1	17.6
Apparent Color (mg/L Pt-Co)	31.1	8.6	37.5	25.7
CDOM ( $\mu\text{g}/\text{L}$ )	72.9	103.3	138.3	104.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.2	0.4	1.7	0.8
Transparency (m)	5.2	5.6	4.6	5.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	6.6	6.5	5.9	6.4
Chloride (mg/L)	0.5	0.5	BDL	0.4
Sulfate (mg/L as $\text{SO}_4$ )	1.6	1.8	1.5	1.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	4.5	BDL	4.8	3.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	224.8	216.3	192.6	211.2
Dissolved Organic Carbon (mg/L)	3.5	4.2	5.1	4.3
Calcium (mg/L)	2.2	2.4	2.7	2.4
Sodium (mg/L)	0.8	0.9	0.9	0.9

# Cranberry Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Cranberry Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/17/2023	8/20/2023	Average
Laboratory pH	7.6	7.3	6.9	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	17.4	18.1	17.6	17.7
Apparent Color (mg/L Pt-Co)	37.5	15.0	50.4	34.3
CDOM ( $\mu\text{g}/\text{L}$ )	138.0	140.8	202.1	160.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.1	3.9	2.5	2.8
Transparency (m)	2.9	3.5	2.3	2.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.0	4.1	4.5	4.2
Chloride (mg/L)	0.7	BDL	BDL	0.4
Sulfate (mg/L as $\text{SO}_4$ )	2.1	2.2	1.9	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.9	5.5	6.8	6.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	131.0	50.4	32.5	71.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	22.4	21.4	39.6	27.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	408.0	293.7	393.2	365.0
Dissolved Organic Carbon (mg/L)	4.4	4.6	6.0	5.0
Calcium (mg/L)	1.7	1.9	10.3	4.6
Sodium (mg/L)	0.9	0.9	0.9	0.9

# Deer Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Deer Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/2023	8/2023	Average
Laboratory pH	7.3			7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	20.8			20.8
Apparent Color (mg/L Pt-Co)	34.3			34.3
CDOM ( $\mu\text{g}/\text{L}$ )	135.8			135.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.6			0.6
Transparency (m)	3.3			3.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	7.3			7.3
Chloride (mg/L)	0.5			0.5
Sulfate (mg/L as $\text{SO}_4$ )	1.9			1.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.4			8.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL			BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL			BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	300.9			300.9
Dissolved Organic Carbon (mg/L)	4.4			4.4
Calcium (mg/L)	2.4			2.4
Sodium (mg/L)	1.0			1.0

Not Sampled Due To Storm Damage

Not Sampled Due To Storm Damage

# Eagle Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Eagle Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/2023	8/2023	Average
Laboratory pH	8.1			8.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	100.8			100.8
Apparent Color (mg/L Pt-Co)	24.6			24.6
CDOM ( $\mu\text{g}/\text{L}$ )	68.2			68.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.7			0.7
Transparency (m)	4.8			4.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	10.1	Not Sampled	Not Sampled	10.1
Chloride (mg/L)	21.6			21.6
Sulfate (mg/L as $\text{SO}_4$ )	2.3			2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	12.4			12.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL			BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL			BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	285.4			285.4
Dissolved Organic Carbon (mg/L)	4.4			4.4
Calcium (mg/L)	4.4			4.4
Sodium (mg/L)	13.7			13.7

# East Caroga Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for East Caroga Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/15/2023	8/19/2023	Average
Laboratory pH	7.3	7.5	7.4	7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	160.4	155.9	155.5	157.3
Apparent Color (mg/L Pt-Co)	18.2	8.6	43.9	23.6
CDOM ( $\mu\text{g}/\text{L}$ )	109.0	113.7	121.4	114.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.8	1.9	0.4	1.7
Transparency (m)	3.1	4.2	2.7	3.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	27.3	27.7	29.8	28.3
Chloride (mg/L)	30.3	29.4	28.6	29.4
Sulfate (mg/L as $\text{SO}_4$ )	2.4	4.0	2.2	2.8
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.2	6.1	8.5	7.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	24.5	BDL	14.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	252.8	299.5	291.0	281.1
Dissolved Organic Carbon (mg/L)	4.0	4.6	4.5	4.4
Calcium (mg/L)	10.4	10.6	10.9	10.6
Sodium (mg/L)	18.8	17.9	17.7	18.1

# Eli Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Eli Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/16/2023	7/14/2023	8/12/2023	Average
Laboratory pH	7.2	7.0	7.2	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	31.6	27.6	35.0	31.4
Apparent Color (mg/L Pt-Co)	27.9	34.3	40.7	34.3
CDOM ( $\mu\text{g}/\text{L}$ )	96.7	186.2	177.6	153.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.4	3.1	2.0	2.2
Transparency (m)	3.7	3.7	4.0	3.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	11.6	10.6	15.0	12.4
Chloride (mg/L)	BDL	BDL	0.6	0.4
Sulfate (mg/L as $\text{SO}_4$ )	2.7	2.1	2.1	2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.9	12.3	13.3	11.5
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	26.3	21.8	19.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	387.0	393.7	449.0	409.9
Dissolved Organic Carbon (mg/L)	3.3	5.6	4.3	4.4
Calcium (mg/L)	4.4	4.2	4.8	4.4
Sodium (mg/L)	1.3	1.0	1.2	1.2

# Elk Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Elk Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/15/2023	8/20/2023	Average
Laboratory pH	7.1	7.0	6.5	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	15.6	16.8	16.3	16.2
Apparent Color (mg/L Pt-Co)	37.5	47.2	47.2	43.9
CDOM ( $\mu\text{g}/\text{L}$ )	126.3	165.7	208.0	166.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	2.6	3.8	2.5
Transparency (m)	2.3	2.4	2.5	2.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.0	5.2	4.3	4.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )	1.5	1.5	1.4	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.9	8.1	6.7	7.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	5.7	3.6
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	30.7	21.3	20.7
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	290.0	239.1	222.8	250.6
Dissolved Organic Carbon (mg/L)	4.4	5.4	6.2	5.3
Calcium (mg/L)	1.8	2.6	2.5	2.3
Sodium (mg/L)	0.7	0.8	0.8	0.8



# Fern Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Fern Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/18/2023	8/19/2023	Average
Laboratory pH	7.1	7.4	8.3	7.6
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	57.2	53.3	58.1	56.2
Apparent Color (mg/L Pt-Co)	21.4	56.8	21.4	33.2
CDOM ( $\mu\text{g}/\text{L}$ )	91.3	80.7	87.3	86.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.0	4.1	5.3	3.8
Transparency (m)	3.5	3.5	3.5	3.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	17.5	19.4	19.3	18.7
Chloride (mg/L)	5.3	4.4	4.7	4.8
Sulfate (mg/L as $\text{SO}_4$ )	2.3	2.0	1.9	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	9.5	10.1	10.7	10.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	26.2	BDL	15.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	212.6	393.8	414.1	340.2
Dissolved Organic Carbon (mg/L)	4.6	4.6	4.4	4.6
Calcium (mg/L)	6.0	6.4	5.8	6.1
Sodium (mg/L)	3.2	3.0	3.2	3.1

# Friends Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Friends Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/24/2023	7/22/2023	8/12/2023	Average
Laboratory pH	7.2	7.3	7.6	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	71.4	72.8	74.3	72.8
Apparent Color (mg/L Pt-Co)	18.2	8.6	31.1	19.3
CDOM ( $\mu\text{g}/\text{L}$ )	55.1	72.6	102.4	76.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.1	1.7	2.2	2.0
Transparency (m)	4.2	4.3	4.3	4.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	22.2	24.4	25.4	24.0
Chloride (mg/L)	6.1	6.1	5.9	6.0
Sulfate (mg/L as $\text{SO}_4$ )	3.1	3.1	3.0	3.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.0	7.4	10.4	8.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	343.2	271.9	310.5	308.5
Dissolved Organic Carbon (mg/L)	3.5	3.8	3.9	3.7
Calcium (mg/L)	7.8	7.9	7.9	7.9
Sodium (mg/L)	3.9	3.9	4.3	4.0

# Garnet Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Garnet Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/17/2023	8/20/2023	Average
Laboratory pH	6.7	7.0	7.0	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	27.2	27.8	26.8	27.3
Apparent Color (mg/L Pt-Co)	21.4	15.0	31.1	22.5
CDOM ( $\mu\text{g}/\text{L}$ )	124.9	119.9	129.5	124.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.4	1.8	1.9	1.4
Transparency (m)	3.8	2.8	3.9	3.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	11.3	11.0	11.7	11.3
Chloride (mg/L)	0.7	0.6	BDL	0.5
Sulfate (mg/L as $\text{SO}_4$ )	1.7	1.7	1.7	1.7
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	19.1	13.5	15.3	16.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	5.4	6.4	5.3	5.7
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	27.8	28.4	BDL	22.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	374.5	403.4	356.3	378.1
Dissolved Organic Carbon (mg/L)	5.5	4.8	5.4	5.2
Calcium (mg/L)	3.1	3.2	11.2	5.8
Sodium (mg/L)	0.7	0.8	0.8	0.8

# Green Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Green Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/16/2023	Average
Laboratory pH	6.8	6.8	6.6	6.7
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	32.9	32.6	33.6	33.0
Apparent Color (mg/L Pt-Co)	15.0	2.1	15.0	10.7
CDOM ( $\mu\text{g}/\text{L}$ )	63.2	89.0	84.7	79.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.5	1.7	2.3	1.5
Transparency (m)	7.2	5.2	6.5	6.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.5	5.4	6.5	5.5
Chloride (mg/L)	5.1	4.4	4.3	4.6
Sulfate (mg/L as $\text{SO}_4$ )	2.4	2.4	2.3	2.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	4.4	4.6	4.1	4.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	98.4	39.0	10.5	49.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	21.9	BDL	14.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	259.0	245.1	165.8	223.3
Dissolved Organic Carbon (mg/L)	2.4	2.8	2.8	2.7
Calcium (mg/L)	2.2	2.5	2.3	2.3
Sodium (mg/L)	2.8	2.8	3.1	2.9

# Gull Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Gull Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2023	7/20/2023	8/20/2023	Average
Laboratory pH	7.0	7.4	6.9	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	26.9	26.5	26.1	26.5
Apparent Color (mg/L Pt-Co)	21.4	8.6	18.2	16.1
CDOM ( $\mu\text{g}/\text{L}$ )	71.4	66.2	95.5	77.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.7	0.6	1.3	0.9
Transparency (m)	5.0	6.4	5.3	5.6
Alkalinity (mg/L as $\text{CaCO}_3$ )	6.0	6.5	6.8	6.5
Chloride (mg/L)	2.8	2.3	1.9	2.3
Sulfate (mg/L as $\text{SO}_4$ )	2.5	2.4	2.1	2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.0	BDL	3.6	3.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	25.0	BDL	15.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	246.7	263.2	316.2	275.4
Dissolved Organic Carbon (mg/L)	3.7	3.3	4.4	3.8
Calcium (mg/L)	2.6	2.4	2.3	2.4
Sodium (mg/L)	1.6	1.6	1.6	1.6

# Highlands Forge Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for Highlands Forge Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2023	7/22/2023	8/15/2023	Average
Laboratory pH	7.7	7.5	7.8	7.7
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	162.5	154.7	147.7	155.0
Apparent Color (mg/L Pt-Co)	11.8	24.6	34.3	23.6
CDOM ( $\mu\text{g}/\text{L}$ )	104.0	150.1	152.1	135.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.8	1.1	1.4	1.1
Transparency (m)	7.1	3.8	4.5	5.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	55.7	53.8	57.6	55.7
Chloride (mg/L)	17.9	15.9	15.1	16.3
Sulfate (mg/L as $\text{SO}_4$ )	3.2	2.9	2.6	2.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.1	7.0	6.5	6.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	5.2	3.4
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.4	26.6	BDL	19.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	344.4	343.4	335.0	340.9
Dissolved Organic Carbon (mg/L)	4.8	6.0	6.1	5.6
Calcium (mg/L)	15.9	15.4	15.8	15.7
Sodium (mg/L)	12.1	11.2	11.5	11.6

# Hoel Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Hoel Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	7/23/2023	8/15/2023	9/1/2023	Average
Laboratory pH	7.7	7.1	7.0	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	17.5	17.1	17.1	17.2
Apparent Color (mg/L Pt-Co)	8.6	8.6	18.2	11.8
CDOM ( $\mu\text{g}/\text{L}$ )	61.6	80.6	56.7	66.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.8	1.1	0.8	0.9
Transparency (m)	6.7	6.5	8.1	7.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.4	5.4	4.5	5.1
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )	2.1	2.0	2.0	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	3.2	3.3	BDL	2.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	21.5	20.6	BDL	17.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	277.8	272.5	300.3	283.5
Dissolved Organic Carbon (mg/L)	3.7	4.7	3.8	4.1
Calcium (mg/L)	1.9	1.8	2.0	1.9
Sodium (mg/L)	0.7	0.7	0.7	0.7

# Indian Lake - Franklin County

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Indian Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/17/2023	8/15/2023	Average
Laboratory pH	7.3	7.1	7.3	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	28.2	25.5	25.9	26.5
Apparent Color (mg/L Pt-Co)	53.6	53.6	101.8	69.7
CDOM ( $\mu\text{g}/\text{L}$ )	125.2	204.2	193.5	174.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	4.2	2.8	4.4	3.8
Transparency (m)	2.0	2.5	1.7	2.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	11.1	9.4	9.7	10.1
Chloride (mg/L)	1.4	BDL	BDL	0.6
Sulfate (mg/L as $\text{SO}_4$ )	2.2	1.6	1.6	1.8
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	12.5	12.6	14.9	13.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	25.8	29.9	BDL	21.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	257.3	402.8	434.8	365.0
Dissolved Organic Carbon (mg/L)	5.2	6.4	6.9	6.2
Calcium (mg/L)	3.2	2.7	2.8	2.9
Sodium (mg/L)	1.0	0.8	0.9	0.9



# Irving Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Low	<b>Road Salt Influence</b> Not Significant
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Water quality values for Irving Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/20/2023	8/16/2023	Average
Laboratory pH	7.1	6.4	6.6	6.7
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	12.0	12.0	9.8	11.2
Apparent Color (mg/L Pt-Co)	18.2	24.6	27.9	23.6
CDOM ( $\mu\text{g}/\text{L}$ )	118.9	210.7	153.7	161.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.6	0.8	1.1	0.9
Transparency (m)	5.6	4.8	4.7	5.0
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	BDL	BDL	BDL
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )	1.9	1.5	1.4	1.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.4	6.4	5.0	5.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	26.1	BDL	15.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	206.4	217.5	209.8	211.2
Dissolved Organic Carbon (mg/L)	3.0	4.6	4.2	4.0
Calcium (mg/L)	0.7	1.2	0.7	0.9
Sodium (mg/L)	0.7	0.6	0.6	0.6

# Jordan Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Jordan Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/16/2023	Average
Laboratory pH	7.3	7.4	7.4	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	23.2	24.3	23.4	23.6
Apparent Color (mg/L Pt-Co)	85.8	101.8	111.5	99.7
CDOM ( $\mu\text{g}/\text{L}$ )	222.5	250.0	260.7	244.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	6.3	6.3	5.4	6.0
Transparency (m)	1.5	1.5	1.5	1.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.2	5.7	5.7	5.5
Chloride (mg/L)	0.5	BDL	BDL	0.3
Sulfate (mg/L as $\text{SO}_4$ )	2.7	2.7	2.4	2.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	24.0	24.2	12.3	20.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	32.7	BDL	17.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	310.7	388.8	314.7	338.1
Dissolved Organic Carbon (mg/L)	8.7	9.6	10.1	9.5
Calcium (mg/L)	2.5	2.8	2.6	2.6
Sodium (mg/L)	0.9	1.0	0.9	0.9

# Kiawassa Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Kiawassa Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	5/23/2023	6/23/2023	7/20/2023	8/20/2023	9/10/2023	Average
Laboratory pH	7.2	7.0	6.9	7.7	6.8	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	68.6	70.4	69.8	70.2	70.2	69.8
Apparent Color (mg/L Pt-Co)	15.0	11.8	8.6	18.2	18.2	14.3
CDOM ( $\mu\text{g}/\text{L}$ )	76.4	98.3	87.5	92.0	64.6	83.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.3	0.8	0.3	1.6	1.2	1.1
Transparency (m)	5.8	6.0	9.9	5.0	5.6	6.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	14.1	16.0	14.7	15.7	14.9	15.1
Chloride (mg/L)	9.7	10.0	9.2	9.4	8.5	9.4
Sulfate (mg/L as $\text{SO}_4$ )	4.2	4.0	3.6	3.8	3.6	3.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.2	6.1	3.5	7.7	4.0	5.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	27.3	BDL	BDL	13.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	207.0	327.5	361.2	327.9	325.0	309.7
Dissolved Organic Carbon (mg/L)	4.1	4.3	3.9	4.0	4.4	4.1
Calcium (mg/L)	5.6	5.9	5.5	5.6	6.5	5.8
Sodium (mg/L)	5.9	5.8	6.0	5.8	6.2	5.9

# Lake Adirondack

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for Lake Adirondack during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/2023	7/23/2023	8/13/2023	Average
Laboratory pH		7.7	7.9	7.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)		103.9	102.1	103.0
Apparent Color (mg/L Pt-Co)		21.4	53.6	37.5
CDOM ( $\mu\text{g}/\text{L}$ )		130.8	144.5	137.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )		0.4	10.6	5.5
Transparency (m)		2.1	2.1	2.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	Not Sampled	33.7	32.0	32.9
Chloride (mg/L)		11.7	11.3	11.5
Sulfate (mg/L as $\text{SO}_4$ )		2.0	2.0	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)		11.5	14.5	13.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)		BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )		25.7	BDL	17.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )		368.4	427.5	398.0
Dissolved Organic Carbon (mg/L)		5.3	5.6	5.5
Calcium (mg/L)		12.1	11.7	11.9
Sodium (mg/L)		7.2	7.8	7.5

# Lake Clear

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Lake Clear during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/16/2023	8/14/2023	Average
Laboratory pH	6.9	7.1	7.5	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	119.4	119.3	116.8	118.5
Apparent Color (mg/L Pt-Co)	21.4	21.4	34.3	25.7
CDOM ( $\mu\text{g}/\text{L}$ )	106.4	93.7	112.6	104.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.4	1.1	2.1	1.5
Transparency (m)	6.2	5.8	4.5	5.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	15.5	15.6	15.3	15.5
Chloride (mg/L)	25.3	24.0	23.4	24.2
Sulfate (mg/L as $\text{SO}_4$ )	3.2	2.9	3.0	3.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	10.7	5.6	6.0	7.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	279.0	245.2	288.6	270.9
Dissolved Organic Carbon (mg/L)	4.5	4.5	5.0	4.7
Calcium (mg/L)	6.7	5.9	5.9	6.2
Sodium (mg/L)	13.8	14.0	13.0	13.6

# Lake Colby

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> High
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Water quality values for Lake Colby during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/14/2023	Average
Laboratory pH	7.4	8.1	7.5	7.6
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	273.0	277.0	264.0	271.3
Apparent Color (mg/L Pt-Co)	27.9	27.9	31.1	28.9
CDOM ( $\mu\text{g}/\text{L}$ )	91.9	102.8	120.1	104.9
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.3	1.3	2.6	2.1
Transparency (m)	4.9	3.9	3.2	4.0
Alkalinity (mg/L as $\text{CaCO}_3$ )	34.9	34.0	33.2	34.0
Chloride (mg/L)	61.9	59.5	56.9	59.4
Sulfate (mg/L as $\text{SO}_4$ )	5.6	5.3	4.7	5.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	9.3	6.9	10.3	8.8
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	24.5	BDL	14.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	238.2	376.9	355.9	323.7
Dissolved Organic Carbon (mg/L)	5.2	5.2	5.3	5.2
Calcium (mg/L)	15.8	15.4	14.8	15.3
Sodium (mg/L)	33.4	32.2	32.4	32.7

# Lake Everest

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Lake Everest during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/18/2023	8/17/2023	Average
Laboratory pH	7.4	7.4	7.3	7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	72.3	68.9	49.0	63.4
Apparent Color (mg/L Pt-Co)	56.8	43.5	79.3	59.9
CDOM ( $\mu\text{g}/\text{L}$ )	188.0	214.6	244.4	216.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.7	0.5	0.3	0.5
Transparency (m)	2.2	1.8	1.9	2.0
Alkalinity (mg/L as $\text{CaCO}_3$ )	15.1	14.7	10.4	13.4
Chloride (mg/L)	10.4	8.9	5.5	8.3
Sulfate (mg/L as $\text{SO}_4$ )	3.6	3.1	2.3	3.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	12.7	13.2	13.1	13.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	182.0	126.0	89.0	132.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	21.1	29.0	BDL	20.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	307.6	429.2	385.5	489.6
Dissolved Organic Carbon (mg/L)	5.3	5.5	4.8	5.2
Calcium (mg/L)	6.1	5.6	4.2	5.3
Sodium (mg/L)	6.2	6.1	4.0	5.4

# Lake of the Pines

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Lake of the Pines during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/24/2023	7/22/2023	8/20/2023	Average
Laboratory pH	7.2	7.3	6.9	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	32.1	34.8	28.7	31.9
Apparent Color (mg/L Pt-Co)	31.1	24.6	43.9	33.2
CDOM ( $\mu\text{g}/\text{L}$ )	120.1	137.5	148.8	135.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.7	0.8	4.8	2.7
Transparency (m)	3.4	3.3	2.5	3.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	9.5	11.0	10.9	10.5
Chloride (mg/L)	1.3	1.2	0.8	1.1
Sulfate (mg/L as $\text{SO}_4$ )	2.0	2.3	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	11.5	6.5	6.8	8.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	21.0	BDL	BDL	13.7
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	369.4	252.5	221.9	281.3
Dissolved Organic Carbon (mg/L)	4.0	4.8	5.1	4.6
Calcium (mg/L)	3.2	4.1	3.3	3.5
Sodium (mg/L)	1.6	1.6	1.3	1.5



# Lake Titus

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

Water Quality Indicator	5/25/2023	6/22/2023	7/20/2023	8/14/2023	9/4/2023	Average
Laboratory pH	7.3	7.0	7.0	7.0	6.8	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	82.4	80.6	90.7	92.8	94.5	88.2
Apparent Color (mg/L Pt-Co)	27.9	24.6	31.1	21.4	34.3	27.9
CDOM ( $\mu\text{g}/\text{L}$ )	106.9	110.0	116.6	142.0	126.8	120.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	4.3	2.6	1.4	4.5	2.8	3.1
Transparency (m)	2.3	3.5	4.1	2.6	3.1	3.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	15.2	14.9	17.2	19.0	18.4	16.9
Chloride (mg/L)	15.0	15.7	15.1	15.2	15.5	15.3
Sulfate (mg/L as $\text{SO}_4$ )	2.9	2.8	2.4	2.4	2.3	2.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	12.0	8.5	9.5	7.8	7.9	9.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	24.3	20.5	BDL	15.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	226.5	301.4	384.2	303.5	343.7	311.9
Dissolved Organic Carbon (mg/L)	4.5	4.3	4.5	3.4	4.5	4.2
Calcium (mg/L)	5.3	5.6	5.5	5.8	5.9	5.6
Sodium (mg/L)	9.1	9.3	9.7	9.8	9.9	9.6

# Lens Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Lens Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/18/2023	7/23/2023	8/11/2023	Average
Laboratory pH	6.8	6.9	7.2	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	12.4	12.7	12.6	12.6
Apparent Color (mg/L Pt-Co)	72.9	56.8	72.9	67.5
CDOM ( $\mu\text{g}/\text{L}$ )	145.7	163.7	168.1	159.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.4	2.9	3.9	2.7
Transparency (m)	1.6	1.4	1.4	1.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	2.5	3.2	2.3
Chloride (mg/L)	0.6	BDL	BDL	0.4
Sulfate (mg/L as $\text{SO}_4$ )	1.7	1.3	1.2	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	21.1	19.2	20.9	20.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	25.4	31.9	BDL	22.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	375.9	376.2	388.5	380.2
Dissolved Organic Carbon (mg/L)	5.5	6.1	6.5	6.1
Calcium (mg/L)	1.0	1.6	1.1	1.2
Sodium (mg/L)	0.6	0.6	0.5	0.6

# Little Colby Pond

<b>Trophic State</b> Eutrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> High
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Water quality values for Little Colby Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	7/22/2023	8/12/2023	9/1/2023	Average
Laboratory pH	7.6	7.0	6.8	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	192.8	195.0	229.0	205.6
Apparent Color (mg/L Pt-Co)	85.8	114.7	69.7	90.0
CDOM ( $\mu\text{g}/\text{L}$ )	259.7	289.1	197.7	248.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	9.1	16.9	4.3	10.1
Transparency (m)	2.2	1.5	1.5	1.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	26.8	25.4	29.4	27.2
Chloride (mg/L)	39.8	40.7	48.4	43.0
Sulfate (mg/L as $\text{SO}_4$ )	3.3	3.3	3.9	3.5
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	22.7	22.9	9.6	18.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	32.2	39.1	BDL	27.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	525.5	495.7	443.1	488.1
Dissolved Organic Carbon (mg/L)	9.7	11.8	7.9	9.8
Calcium (mg/L)	11.7	11.5	13.2	12.2
Sodium (mg/L)	22.2	22.1	29.0	24.4

# Little Long Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Moderate
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Water quality values for Little Long Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/14/2023	8/14/2023	Average
Laboratory pH	7.6	6.7	7.3	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	76.3	80.4	77.5	78.1
Apparent Color (mg/L Pt-Co)	50.4	53.6	72.9	59.0
CDOM ( $\mu\text{g}/\text{L}$ )	148.9	201.5	229.4	193.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.7	1.4	1.7	1.9
Transparency (m)	3.2	2.1	2.0	2.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	8.8	8.0	8.9	8.6
Chloride (mg/L)	16.1	16.0	15.2	15.8
Sulfate (mg/L as $\text{SO}_4$ )	2.3	2.1	1.7	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.4	5.5	12.9	8.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	8.0	4.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.0	34.6	BDL	21.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	347.7	341.2	319.7	336.2
Dissolved Organic Carbon (mg/L)	5.2	6.0	7.4	6.2
Calcium (mg/L)	3.9	4.9	4.4	4.4
Sodium (mg/L)	9.4	9.7	9.9	9.7

# Little Simon Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Little Simon Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/19/2023	8/14/2023	Average
Laboratory pH	6.7	6.7	7.0	6.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	15.0	15.6	14.4	15.0
Apparent Color (mg/L Pt-Co)	24.6	34.3	21.4	26.8
CDOM ( $\mu\text{g}/\text{L}$ )	105.0	130.3	159.3	131.6
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.4	0.4	0.8	0.5
Transparency (m)	8.1	6.2	6.1	6.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	2.7	2.9	2.3
Chloride (mg/L)	1.0	BDL	BDL	0.5
Sulfate (mg/L as $\text{SO}_4$ )	2.3	1.9	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.5	BDL	4.0	4.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	116.0	96.9	76.0	96.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	22.1	32.7	29.6	28.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	303.8	368.3	348.3	340.1
Dissolved Organic Carbon (mg/L)	3.9	4.0	8.9	5.6
Calcium (mg/L)	2.6	1.4	1.4	1.8
Sodium (mg/L)	0.7	0.7	0.7	0.7

# Long Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Long Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/2023	7/20/2023	8/19/2023	Average
Laboratory pH		7.2	7.1	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)		32.5	30.9	31.7
Apparent Color (mg/L Pt-Co)		53.6	63.2	58.4
CDOM ( $\mu\text{g}/\text{L}$ )		230.0	206.3	218.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )		3.2	2.2	2.7
Transparency (m)		2.3	2.3	2.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	Not Sampled	4.6	5.6	5.1
Chloride (mg/L)		3.7	3.6	3.7
Sulfate (mg/L as $\text{SO}_4$ )		2.0	1.9	1.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)		9.0	5.8	7.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)		15.5	33.1	24.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )		29.7	40.5	35.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )		281.4	302.7	292.1
Dissolved Organic Carbon (mg/L)		6.8	6.6	6.7
Calcium (mg/L)		2.8	2.3	2.6
Sodium (mg/L)		2.8	2.8	2.8

# Long Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Moderate
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Water quality values for Long Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/26/2023	7/23/2023	8/20/2023	Average
Laboratory pH	8.0	8.0	8.3	8.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	139.1	136.9	142.1	139.4
Apparent Color (mg/L Pt-Co)	18.2	27.9	34.3	26.8
CDOM ( $\mu\text{g}/\text{L}$ )	107.0	114.9	176.0	132.6
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.2	2.3	2.0	2.2
Transparency (m)	3.7	4.0	4.0	3.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	55.9	55.9	56.9	56.2
Chloride (mg/L)	11.3	10.2	10.4	10.6
Sulfate (mg/L as $\text{SO}_4$ )	2.8	2.6	2.6	2.7
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.5	7.5	7.5	7.8
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	23.2	BDL	BDL	9.4
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.3	55.9	BDL	28.7
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	400.3	393.7	382.0	392.0
Dissolved Organic Carbon (mg/L)	5.3	5.6	5.7	5.5
Calcium (mg/L)	15.8	15.4	24.2	18.5
Sodium (mg/L)	8.0	7.5	8.2	7.9

# Loon Lake - Franklin County

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Loon Lake during the 2023 sampling season. BDL = below detection limit.

## North

Water Quality Indicator	6/23/2023	7/17/2023	8/16/2023	Average
Laboratory pH	7.4	7.1	6.9	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	40.7	40.2	37.4	39.4
Apparent Color (mg/L Pt-Co)	15.0	11.8	15.0	13.9
CDOM ( $\mu\text{g}/\text{L}$ )	83.1	52.6	89.6	75.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.2	1.6	1.0	1.3
Transparency (m)	4.2	6.7	5.5	5.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	14.8	12.7	13.7	13.7
Chloride (mg/L)	3.4	2.5	2.4	2.7
Sulfate (mg/L as $\text{SO}_4$ )	2.5	2.2	2.2	2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.7	5.4	4.4	5.5
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	225.1	316.0	283.1	274.7
Dissolved Organic Carbon (mg/L)	3.3	3.1	0.5	2.3
Calcium (mg/L)	4.6	3.6	3.8	4.0
Sodium (mg/L)	2.0	2.0	2.1	2.0

## South

Laboratory pH	7.3	7.1	7.0	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	39.0	39.0	38.7	38.9
Apparent Color (mg/L Pt-Co)	15.0	18.2	15.0	16.1
CDOM ( $\mu\text{g}/\text{L}$ )	58.8	69.2	84.5	70.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.1	1.2	1.4	1.2
Transparency (m)	4.3	4.4	3.8	4.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	13.8	12.7	14.3	13.6
Chloride (mg/L)	3.1	2.2	2.1	2.5
Sulfate (mg/L as $\text{SO}_4$ )	2.4	2.1	2.1	2.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.5	7.5	5.7	6.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	239.8	308.8	270.8	273.1
Dissolved Organic Carbon (mg/L)	3.6	3.3	8.0	5.0
Calcium (mg/L)	4.1	3.6	3.8	3.8
Sodium (mg/L)	1.9	1.9	1.9	1.9



# Loon Lake - Warren County

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Loon Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/22/2023	8/19/2023	Average
Laboratory pH	7.2	7.3	7.7	7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	106.2	110.0	108.0	108.1
Apparent Color (mg/L Pt-Co)	18.2	3429.0	34.3	1160.5
CDOM ( $\mu\text{g}/\text{L}$ )	147.4	143.4	147.3	146.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.4	3.2	0.0	1.9
Transparency (m)	3.9	3.4	3.7	3.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	17.8	19.4	21.6	19.6
Chloride (mg/L)	18.9	18.7	18.6	18.7
Sulfate (mg/L as $\text{SO}_4$ )	3.0	2.7	2.6	2.8
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	10.2	10.2	18.5	13.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	27.2	31.3	BDL	22.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	330.3	300.9	341.6	324.3
Dissolved Organic Carbon (mg/L)	4.1	4.8	5.1	4.7
Calcium (mg/L)	7.0	7.8	7.7	7.5
Sodium (mg/L)	12.1	11.9	12.2	12.1

# Lower Beaver Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Acidic- threatened	<b>Acid Neutralizing Capacity</b> Low	<b>Road Salt Influence</b> Not Significant
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Water quality values for Lower Beaver Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/2023	7/18/2023	8/20/2023	Average
Laboratory pH		5.7	6.0	5.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)		17.9	16.7	17.3
Apparent Color (mg/L Pt-Co)		201.6	224.1	212.9
CDOM ( $\mu\text{g}/\text{L}$ )		362.1	333.7	347.9
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )		3.6	8.7	6.2
Transparency (m)		0.9	0.8	0.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	Not Sampled	BDL	BDL	BDL
Chloride (mg/L)		BDL	0.6	0.4
Sulfate (mg/L as $\text{SO}_4$ )		1.0	0.8	0.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)		26.0	12.5	19.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)		BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )		34.5	BDL	22.3
Total Nitrogen ( $\mu\text{g}/\text{L}$ )		613.4	409.8	511.6
Dissolved Organic Carbon (mg/L)		16.8	15.1	15.9
Calcium (mg/L)		2.1	2.0	2.0
Sodium (mg/L)		0.7	0.7	0.7

# Lower Chateaugay Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> High	<b>Road Salt Influence</b> Low
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Water quality values for Lower Chateaugay Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/25/2023	7/15/2023	8/13/2023	Average
Laboratory pH	7.2	7.3	7.3	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	92.9	75.7	86.2	84.9
Apparent Color (mg/L Pt-Co)	47.2	56.8	63.2	55.7
CDOM ( $\mu\text{g}/\text{L}$ )	148.7	258.7	230.8	212.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	10.1	6.7	2.5	6.4
Transparency (m)	2.7	2.3	2.5	2.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	28.8	25.8	29.5	28.0
Chloride (mg/L)	8.4	6.3	7.3	7.3
Sulfate (mg/L as $\text{SO}_4$ )	3.1	2.4	2.5	2.7
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	22.7	15.6	11.9	16.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	6.5	20.8	9.9
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	42.7	49.0	33.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	353.7	418.9	451.3	408.0
Dissolved Organic Carbon (mg/L)	4.8	6.8	7.2	6.3
Calcium (mg/L)	8.7	7.4	8.5	8.2
Sodium (mg/L)	5.8	4.5	5.2	5.2

# Lower Saranac Lake

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

Water Quality Indicator	6/19/2023	7/22/2023	8/14/2023	Average
Laboratory pH	6.9	7.3	6.7	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	72.6	75.2	68.3	72.0
Apparent Color (mg/L Pt-Co)	43.9	27.9	60.0	43.9
CDOM ( $\mu\text{g}/\text{L}$ )	130.2	133.8	162.4	142.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.6	3.5	4.6	3.3
Transparency (m)	4.4	3.4	2.8	3.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	11.6	12.9	12.5	12.3
Chloride (mg/L)	12.5	12.2	10.4	11.7
Sulfate (mg/L as $\text{SO}_4$ )	3.1	3.0	2.7	2.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.7	20.2	10.6	12.8
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	30.0	BDL	16.7
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	297.5	480.2	297.1	358.3
Dissolved Organic Carbon (mg/L)	5.4	6.2	6.4	6.0
Calcium (mg/L)	5.0	4.8	4.6	4.8
Sodium (mg/L)	7.2	7.5	6.9	7.2

# Middle Saranac Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Middle Saranac Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/25/2023	7/25/2023	8/21/2023	Average
Laboratory pH	7.0	7.4	7.3	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	62.6	63.6	60.3	62.2
Apparent Color (mg/L Pt-Co)	34.3	21.4	76.1	43.9
CDOM ( $\mu\text{g}/\text{L}$ )	108.1	136.9	149.6	131.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.8	2.9	5.2	3.0
Transparency (m)	3.9	2.5	2.4	2.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	12.8	12.3	11.5	12.2
Chloride (mg/L)	10.2	9.1	9.0	9.4
Sulfate (mg/L as $\text{SO}_4$ )	2.8	2.5	2.5	2.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	13.1	14.2	11.9	13.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	30.8	23.8	BDL	21.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	252.3	305.4	328.5	295.4
Dissolved Organic Carbon (mg/L)	5.1	5.2	5.1	5.1
Calcium (mg/L)	4.6	4.6	4.1	4.4
Sodium (mg/L)	5.8	5.9	5.7	5.8

# Mink Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Mink Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/2023	7/15/2023	8/19/2023	Average
Laboratory pH		6.3	7.0	6.6
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)		19.3	22.3	20.8
Apparent Color (mg/L Pt-Co)		56.8	105.1	81.0
CDOM ( $\mu\text{g}/\text{L}$ )		236.5	276.4	256.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )		1.5	8.0	4.8
Transparency (m)		1.7	1.7	1.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	Not Sampled	6.0	7.1	6.6
Chloride (mg/L)		BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )		1.6	1.3	1.5
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)		6.6	4.6	5.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)		BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )		25.1	BDL	17.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )		365.2	374.8	370.0
Dissolved Organic Carbon (mg/L)		8.2	9.2	8.7
Calcium (mg/L)		2.9	3.0	2.9
Sodium (mg/L)		0.7	0.6	0.6

# Moody Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Moody Pond during the 2023 sampling season. BDL = below detection limit. VOB = visible on bottom.

Water Quality Indicator	5/25/2023	6/23/2023	7/18/2023	8/14/2023	9/11/2023	Average
Laboratory pH	7.2	7.5	7.4	7.5	7.0	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	114.2	116.0	114.0	107.1	105.7	111.4
Apparent Color (mg/L Pt-Co)	31.1	21.4	31.1	18.2	27.9	25.9
CDOM ( $\mu\text{g}/\text{L}$ )	75.8	77.9	88.6	109.4	120.1	94.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.2	0.9	0.8	2.2	2.5	1.9
Transparency (m)	2.9	VOB	4.6	4.3	3.9	3.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	15.9	16.4	15.5	15.2	16.5	15.9
Chloride (mg/L)	22.6	23.8	21.7	20.1	18.2	21.3
Sulfate (mg/L as $\text{SO}_4$ )	4.5	4.4	3.9	3.8	3.3	4.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	53.6	10.1	6.8	13.4	8.6	18.5
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	29.5	22.9	20.0	BDL	18.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	229.7	339.9	366.5	368.5	406.7	342.3
Dissolved Organic Carbon (mg/L)	3.6	4.4	3.8	4.1	4.3	4.0
Calcium (mg/L)	5.8	6.4	5.3	5.2	6.3	5.8
Sodium (mg/L)	15.2	15.5	15.4	13.7	14.6	14.9

# Moose Pond

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

Water quality values for Moose Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	5/28/2023	6/24/2023	7/22/2023	8/2023	9/3/2023	Average
Laboratory pH	6.8	7.3	7.5		7.0	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	22.8	24.5	25.7		24.0	24.3
Apparent Color (mg/L Pt-Co)	37.5	37.5	34.3		63.2	43.1
CDOM ( $\mu\text{g}/\text{L}$ )	144.3	140.3	170.7		217.7	168.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	0.2	1.5		3.5	1.5
Transparency (m)	3.8	2.9	3.0		2.2	2.9
Alkalinity (mg/L as $\text{CaCO}_3$ )	7.3	7.9	8.4	No Sample	7.7	7.8
Chloride (mg/L)	1.0	0.9	BDL		BDL	0.6
Sulfate (mg/L as $\text{SO}_4$ )	2.7	2.5	2.1		2.0	2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.1	6.9	6.1		5.0	5.8
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	140.0	54.7	34.3		21.9	62.7
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	35.3		BDL	16.3
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	303.6	215.7	387.3		373.9	320.1
Dissolved Organic Carbon (mg/L)	5.2	5.4	5.6		7.5	5.9
Calcium (mg/L)	2.8	3.0	3.0		3.1	3.0
Sodium (mg/L)	0.9	1.0	1.1		1.0	1.0



# Moss Lake

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

Water quality values for Moss Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2023	7/17/2023	8/12/2023	Average
Laboratory pH	8.0	6.4	6.5	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	23.5	22.5	23.3	23.1
Apparent Color (mg/L Pt-Co)	31.1	31.1	31.1	31.1
CDOM ( $\mu\text{g}/\text{L}$ )	103.3	131.1	131.7	122.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.9	1.8	1.3	1.3
Transparency (m)	3.4	2.8	3.2	3.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	6.3	6.8	7.3	6.8
Chloride (mg/L)	0.9	0.6	0.7	0.7
Sulfate (mg/L as $\text{SO}_4$ )	2.6	2.4	2.4	2.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.1	5.5	11.2	7.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	70.9	29.2	18.8	39.6
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	23.4	BDL	14.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	297.8	255.2	319.2	290.7
Dissolved Organic Carbon (mg/L)	4.1	4.4	5.1	4.5
Calcium (mg/L)	2.4	2.5	2.5	2.5
Sodium (mg/L)	1.1	1.2	1.1	1.1

# Mountain View Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Mountain View Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/17/2023	8/15/2023	Average
Laboratory pH	7.4	7.4	7.2	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	52.7	36.2	51.8	46.9
Apparent Color (mg/L Pt-Co)	79.3	98.6	105.1	94.4
CDOM ( $\mu\text{g}/\text{L}$ )	208.4	273.2	266.2	249.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.0	0.7	2.1	1.6
Transparency (m)	1.6	1.5	1.3	1.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	24.8	15.6	23.6	21.3
Chloride (mg/L)	1.3	BDL	BDL	0.6
Sulfate (mg/L as $\text{SO}_4$ )	2.8	1.4	2.4	2.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	32.4	20.3	19.5	24.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	10.2	36.1	19.5	21.9
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	30.5	52.0	25.2	35.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	398.7	466.8	411.5	425.7
Dissolved Organic Carbon (mg/L)	6.4	8.3	8.1	7.6
Calcium (mg/L)	7.1	4.8	6.4	6.1
Sodium (mg/L)	1.2	0.8	1.1	1.0

# Muller Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Muller Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/22/2023	8/17/2023	Average
Laboratory pH	6.8	6.9	6.9	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	21.1	20.8	21.6	21.2
Apparent Color (mg/L Pt-Co)	47.2	95.4	92.2	78.3
CDOM ( $\mu\text{g}/\text{L}$ )	145.5	218.7	227.2	197.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.5	4.5	3.4	3.1
Transparency (m)	2.3	1.5	1.6	1.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	6.4	5.6	6.9	6.3
Chloride (mg/L)	1.2	0.7	0.8	0.9
Sulfate (mg/L as $\text{SO}_4$ )	1.7	1.3	1.2	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	24.4	10.4	13.8	16.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.4	BDL	BDL	13.5
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	342.3	295.0	292.0	309.8
Dissolved Organic Carbon (mg/L)	5.5	7.8	8.0	7.1
Calcium (mg/L)	2.3	3.0	2.6	2.6
Sodium (mg/L)	1.3	1.1	1.2	1.2

# Oliver Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Oliver Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/21/2023	8/17/2023	Average
Laboratory pH	6.9	7.2	7.3	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	32.0	33.4	32.2	32.5
Apparent Color (mg/L Pt-Co)	27.9	24.6	31.1	27.9
CDOM ( $\mu\text{g}/\text{L}$ )	67.2	103.4	113.9	94.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.9	3.2	4.2	3.1
Transparency (m)	2.3	2.0	2.5	2.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	10.2	12.0	12.1	11.4
Chloride (mg/L)	1.4	1.1	1.2	1.2
Sulfate (mg/L as $\text{SO}_4$ )	1.9	1.8	1.7	1.8
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	9.9	9.6	9.1	9.5
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	22.4	BDL	14.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	340.9	269.6	396.5	335.7
Dissolved Organic Carbon (mg/L)	3.5	4.5	4.3	4.1
Calcium (mg/L)	3.8	4.5	4.2	4.2
Sodium (mg/L)	1.5	1.4	1.4	1.4

# Oseetah Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Oseetah Lake during the 2023 sampling season. BDL = below detection limit. VOB = visible on bottom.

Water Quality Indicator	6/16/2023	7/19/2023	8/20/2023	Average
Laboratory pH	7.0	7.3	7.1	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	90.0	76.3	65.2	77.2
Apparent Color (mg/L Pt-Co)	34.3	47.2	60.0	47.2
CDOM ( $\mu\text{g}/\text{L}$ )	135.0	211.4	226.1	190.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.0	1.8	3.5	2.8
Transparency (m)	VOB	VOB	1.3	1.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	16.7	14.4	12.7	14.6
Chloride (mg/L)	15.3	11.6	9.4	12.1
Sulfate (mg/L as $\text{SO}_4$ )	3.6	2.7	2.5	2.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	14.4	10.3	BDL	11.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	9.5	5.5	10.8	8.6
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	38.4	30.4	27.7	32.2
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	327.1	375.3	362.2	354.9
Dissolved Organic Carbon (mg/L)	4.8	6.1	4.7	5.2
Calcium (mg/L)	7.3	5.8	4.6	5.9
Sodium (mg/L)	7.9	6.7	5.8	6.8

# Osgood Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Osgood Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/17/2023	8/14/2023	Average
Laboratory pH	6.9	7.0	7.4	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	71.2	69.5	71.2	70.6
Apparent Color (mg/L Pt-Co)	56.8	66.5	69.7	64.3
CDOM ( $\mu\text{g}/\text{L}$ )	173.4	163.6	202.4	179.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.3	5.4	4.5	4.4
Transparency (m)	2.5	2.4	2.2	2.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	17.4	15.3	17.1	16.6
Chloride (mg/L)	9.0	8.2	8.3	8.5
Sulfate (mg/L as $\text{SO}_4$ )	3.9	3.4	3.3	3.5
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	13.7	9.0	14.0	12.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	24.0	BDL	37.8	23.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	313.1	362.4	385.0	353.5
Dissolved Organic Carbon (mg/L)	6.1	6.3	7.6	6.7
Calcium (mg/L)	6.9	5.7	6.0	6.2
Sodium (mg/L)	4.5	4.5	4.4	4.5

# Otter Pond

<b>Trophic State</b> Eutrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Low	<b>Road Salt Influence</b> Not Significant
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Water quality values for Otter Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/16/2023	Average
Laboratory pH	6.5	6.3	7.3	6.7
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	8.4	10.3	8.0	8.9
Apparent Color (mg/L Pt-Co)	53.6	63.2	95.4	70.7
CDOM ( $\mu\text{g}/\text{L}$ )	191.3	188.8	207.9	196.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.6	7.3	22.8	10.2
Transparency (m)	1.5	1.9	1.4	1.6
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	BDL	BDL	BDL
Chloride (mg/L)	0.6	BDL	BDL	0.4
Sulfate (mg/L as $\text{SO}_4$ )	0.6	0.7	0.3	0.5
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	39.6	18.1	26.0	27.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	37.9	BDL	19.3
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	325.6	374.4	342.7	347.6
Dissolved Organic Carbon (mg/L)	6.9	8.3	8.6	7.9
Calcium (mg/L)	0.7	1.2	0.6	0.8
Sodium (mg/L)	0.3	0.4	0.4	0.4

# Paradox Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Paradox Lake during the 2023 sampling season. BDL = below detection limit.

## Upper

Water Quality Indicator	5/25/2023	6/20/2023	7/23/2023	8/17/2023	9/10/2023	Average
Laboratory pH	7.0	7.6	7.5	7.4		7.4
Sp. Conductance (µS/cm @ 25°C)	68.5	75.0	66.6	67.0		69.3
Apparent Color (mg/L Pt-Co)	21.4	27.9	43.9	47.2		35.1
CDOM (µg/L)	106.7	104.1	210.0	202.3		155.7
Chlorophyll-a (µg/L)	0.5	1.4	3.9	8.8		3.7
Transparency (m)	3.7	4.3	2.2	1.7		3.0
Alkalinity (mg/L as CaCO <sub>3</sub> )	21.2	24.8	24.7	25.7		24.1
Chloride (mg/L)	7.2	7.5	4.9	4.4	No Data	6.0
Sulfate (mg/L as SO <sub>4</sub> )	2.8	2.7	2.1	1.8		2.3
Total Phosphorus (µg/L as P)	7.9	6.1	13.4	8.9		9.1
Nitrate-Nitrite (µg/L as N)	BDL	5.8	BDL	5.6		4.1
Ammonia (µg/L as NH <sub>3</sub> -N)	BDL	BDL	40.6	BDL		17.7
Total Nitrogen (µg/L)	224.5	235.4	392.2	320.5		293.2
Dissolved Organic Carbon (mg/L)	3.7	3.9	6.4	5.5		4.9
Calcium (mg/L)	7.4	8.1	8.2	8.5		8.0
Sodium (mg/L)	4.7	4.9	3.8	3.7		4.3

## Lower

Laboratory pH	7.3	7.5	7.7	7.2	7.4	7.4
Sp. Conductance (µS/cm @ 25°C)	67.5	64.8	59.4	64.2	75.3	66.2
Apparent Color (mg/L Pt-Co)	21.4	21.4	31.1	53.6	53.6	36.2
CDOM (µg/L)	101.2	97.7	188.3	187.3	160.8	147.1
Chlorophyll-a (µg/L)	0.8	0.7	1.9	3.8	0.9	1.6
Transparency (m)	4.2	3.7	3.2	3.3	2.6	3.4
Alkalinity (mg/L as CaCO <sub>3</sub> )	18.0	19.1	20.8	23.7	29.5	22.2
Chloride (mg/L)	6.9	6.3	4.7	4.9	5.6	5.7
Sulfate (mg/L as SO <sub>4</sub> )	2.8	2.7	2.2	2.1	1.8	2.3
Total Phosphorus (µg/L as P)	5.8	3.7	6.3	7.1	7.4	6.1
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	6.0	3.2
Ammonia (µg/L as NH <sub>3</sub> -N)	BDL	24.3	21.8	BDL	BDL	15.2
Total Nitrogen (µg/L)	237.5	209.0	334.0	284.7	286.7	270.4
Dissolved Organic Carbon (mg/L)	3.5	3.3	5.7	5.6	5.4	4.7
Calcium (mg/L)	6.8	6.5	7.2	7.8	9.6	7.6
Sodium (mg/L)	4.8	4.8	3.4	4.0	4.5	4.3



# Pine Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Pine Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/19/2023	8/14/2023	Average
Laboratory pH	7.2	6.5	7.0	6.9
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	13.9	12.3	12.6	12.9
Apparent Color (mg/L Pt-Co)	31.1	18.2	27.9	25.7
CDOM ( $\mu\text{g}/\text{L}$ )	91.0	106.7	113.7	103.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.7	2.0	1.7	1.8
Transparency (m)	4.4	4.3	5.0	4.6
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	2.6	3.1	2.3
Chloride (mg/L)	BDL	0.5	0.6	0.5
Sulfate (mg/L as $\text{SO}_4$ )	1.7	1.7	1.7	1.7
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.9	5.6	5.1	5.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	20.7	BDL	13.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	310.9	265.5	332.1	302.8
Dissolved Organic Carbon (mg/L)	3.2	4.2	4.2	3.9
Calcium (mg/L)	1.0	1.6	9.2	4.0
Sodium (mg/L)	0.7	0.7	0.7	0.7

# Pleasant Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Pleasant Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/25/2023	7/25/2023	8/24/2023	Average
Laboratory pH	7.3	7.2	7.3	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	14.1	15.1	13.8	14.3
Apparent Color (mg/L Pt-Co)	8.6	8.6	11.8	9.6
CDOM ( $\mu\text{g}/\text{L}$ )	37.6	31.7	54.1	41.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.5	1.7	2.0	1.7
Transparency (m)	7.4	6.3	5.6	6.4
Alkalinity (mg/L as $\text{CaCO}_3$ )	3.4	3.6	4.0	3.7
Chloride (mg/L)	1.8	1.4	1.4	1.5
Sulfate (mg/L as $\text{SO}_4$ )	0.6	0.7	0.6	0.6
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.1	15.1	8.7	9.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	28.3	BDL	16.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	299.8	378.1	295.4	324.4
Dissolved Organic Carbon (mg/L)	3.3	3.8	3.4	3.5
Calcium (mg/L)	1.3	1.8	1.3	1.5
Sodium (mg/L)	0.8	0.9	0.8	0.9

# Ragged Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Ragged Lake during the 2023 sampling season. BDL = below detection limit.

## Main

Water Quality Indicator	5/29/2023	8/17/2023	10/10/2023	Average
Laboratory pH	6.8	6.8	6.8	6.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	18.2	21.1	24.1	21.9
Apparent Color (mg/L Pt-Co)	92.2	143.7	185.5	151.7
CDOM ( $\mu\text{g}/\text{L}$ )	252.1	426.9	348.3	343.9
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.2	10.7	4.7	5.8
Transparency (m)	1.8	1.3	1.5	1.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.6	4.7	6.7	5.7
Chloride (mg/L)	0.8	BDL	BDL	0.4
Sulfate (mg/L as $\text{SO}_4$ )	1.8	1.1	1.4	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	14.7	29.9	18.5	20.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	8.6	BDL	7.9	6.7
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	28.5	45.5	32.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	285.7	591.9	467.8	453.3
Dissolved Organic Carbon (mg/L)	9.2	5.2	13.2	10.2
Calcium (mg/L)	2.1	2.7	2.9	2.6
Sodium (mg/L)	0.7	0.8	0.9	0.8

## Upper

Laboratory pH	6.5	6.8	6.7	6.6
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	18.2	21.8	24.4	21.5
Apparent Color (mg/L Pt-Co)	98.6	156.5	230.5	161.9
CDOM ( $\mu\text{g}/\text{L}$ )	254.3	439.8	371.8	355.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.3	5.9	3.9	4.0
Transparency (m)	1.8	1.3	0.8	1.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.6	4.3	5.6	4.8
Chloride (mg/L)	0.9	BDL	BDL	0.5
Sulfate (mg/L as $\text{SO}_4$ )	1.8	1.1	1.3	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	15.4	20.2	20.3	18.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	6.8	BDL	16.5	8.6
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.5	31.0	53.6	35.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	284.8	593.9	535.0	471.2
Dissolved Organic Carbon (mg/L)	9.3	5.2	15.4	10.0
Calcium (mg/L)	2.1	2.7	2.9	2.6
Sodium (mg/L)	0.7	0.8	0.9	0.8

# Raquette Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Raquette Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/15/2023	8/14/2023	Average
Laboratory pH	7.2	6.4	6.7	6.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	35.2	33.2	33.5	34.0
Apparent Color (mg/L Pt-Co)	40.7	43.9	53.6	46.1
CDOM ( $\mu\text{g}/\text{L}$ )	142.6	187.9	190.9	173.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.9	2.0	NA	1.9
Transparency (m)	3.4	3.7	NA	3.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	4.8	4.5	5.1	4.8
Chloride (mg/L)	5.2	4.7	4.5	4.8
Sulfate (mg/L as $\text{SO}_4$ )	2.3	2.1	2.0	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	4.9	4.7	5.1	4.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	37.4	12.2	17.3	22.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	25.7	20.7	18.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	275.5	299.4	260.2	278.4
Dissolved Organic Carbon (mg/L)	5.6	6.3	6.3	6.1
Calcium (mg/L)	2.4	3.0	2.4	2.6
Sodium (mg/L)	3.3	3.2	3.3	3.3

# Rich Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Rich Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2023	7/19/2023	8/11/2023	Average
Laboratory pH	6.9	7.1	6.5	6.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	38.8	25.8	35.7	33.4
Apparent Color (mg/L Pt-Co)	47.2	76.1	85.8	69.7
CDOM ( $\mu\text{g}/\text{L}$ )	168.3	278.9	274.5	240.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	8.3	5.8	0.9	5.0
Transparency (m)	3.0	NA	2.0	2.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	7.2	6.0	7.4	6.8
Chloride (mg/L)	4.9	1.6	3.7	3.4
Sulfate (mg/L as $\text{SO}_4$ )	2.1	1.7	2.0	1.9
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.7	14.2	8.0	10.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	27.2	10.7
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	27.5	45.3	27.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	373.2	337.0	379.4	363.2
Dissolved Organic Carbon (mg/L)	5.0	9.0	8.5	7.5
Calcium (mg/L)	3.2	3.3	3.4	3.3
Sodium (mg/L)	3.2	1.5	2.6	2.5

# Silver Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Silver Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/19/2023	8/21/2023	Average
Laboratory pH	7.3	8.1	7.1	7.5
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	54.8	54.9	53.7	54.5
Apparent Color (mg/L Pt-Co)	76.1	15.0	18.2	36.4
CDOM ( $\mu\text{g}/\text{L}$ )	39.3	97.5	89.1	75.3
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.8	0.7	2.5	1.3
Transparency (m)	5.5	6.2	5.5	5.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	14.3	14.6	15.2	14.7
Chloride (mg/L)	6.4	5.3	5.3	5.7
Sulfate (mg/L as $\text{SO}_4$ )	3.6	3.3	3.3	3.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.3	5.4	7.0	5.9
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	22.5	BDL	14.2
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	289.2	292.3	315.0	298.8
Dissolved Organic Carbon (mg/L)	4.0	4.3	4.2	4.2
Calcium (mg/L)	5.0	4.7	4.7	4.8
Sodium (mg/L)	3.2	3.1	3.2	3.2

# Simon Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Simon Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/14/2023	8/15/2023	Average
Laboratory pH	7.2	6.8	7.4	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	27.6	28.0	27.3	27.6
Apparent Color (mg/L Pt-Co)	111.5	43.9	47.2	67.5
CDOM ( $\mu\text{g}/\text{L}$ )	155.1	172.9	206.6	178.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.2	4.3	2.2	2.9
Transparency (m)	3.4	2.2	2.0	2.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	6.2	6.0	5.6	5.9
Chloride (mg/L)	3.3	2.5	2.3	2.7
Sulfate (mg/L as $\text{SO}_4$ )	2.3	2.0	1.9	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.0	9.1	8.8	8.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	73.9	13.2	28.0	38.4
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	21.6	BDL	37.0	22.9
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	287.7	335.5	424.2	349.1
Dissolved Organic Carbon (mg/L)	4.8	5.7	6.5	5.7
Calcium (mg/L)	2.6	2.4	2.5	2.5
Sodium (mg/L)	1.9	2.0	1.8	1.9

# Star Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Star Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/2023	7/24/2023	8/22/2023	Average
Laboratory pH	6.9	7.1	7.0	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	70.0	69.4	67.8	69.1
Apparent Color (mg/L Pt-Co)	24.6	2.1	15.0	13.9
CDOM ( $\mu\text{g}/\text{L}$ )	43.2	14.7	21.8	26.6
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.3	1.1	0.7	1.0
Transparency (m)	6.2	8.0	10.1	8.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	11.8	11.5	12.2	11.8
Chloride (mg/L)	11.6	11.5	11.3	11.5
Sulfate (mg/L as $\text{SO}_4$ )	2.0	2.1	2.0	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	11.8	57.2	6.7	25.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	22.3	6.1	BDL	10.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	20.0	33.3	BDL	21.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	435.4	274.7	234.4	314.8
Dissolved Organic Carbon (mg/L)	3.1	3.3	3.2	3.2
Calcium (mg/L)	4.1	4.6	4.0	4.2
Sodium (mg/L)	7.3	7.4	8.0	7.6



# Stony Creek Pond

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Stony Creek Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	5/22/2023	6/2023	7/19/2023	8/14/2023	9/8/2023	Average
Laboratory pH	7.2		7.1	6.8	6.9	7.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	35.9		36.6	30.7	32.6	34.0
Apparent Color (mg/L Pt-Co)	47.2		50.4	69.7	63.2	57.6
CDOM ( $\mu\text{g}/\text{L}$ )	121.7		182.0	207.1	203.8	178.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.3		1.4	7.0	3.0	2.9
Transparency (m)	2.9		2.8	1.9	NA	2.5
Alkalinity (mg/L as $\text{CaCO}_3$ )	9.1	No Sample	9.6	8.5	9.1	9.1
Chloride (mg/L)	4.0		3.1	2.3	2.2	2.9
Sulfate (mg/L as $\text{SO}_4$ )	2.6		2.3	2.0	1.9	2.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	13.9		6.9	13.2	NA	11.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	73.9		20.8	17.9	BDL	28.8
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL		28.6	25.8	BDL	18.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	287.8		345.3	384.3	374.5	348.0
Dissolved Organic Carbon (mg/L)	4.7		5.9	0.6	6.8	4.5
Calcium (mg/L)	3.5		3.5	3.2	4.3	3.6
Sodium (mg/L)	2.2		2.2	1.8	1.9	2.0

# Thirteenth Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Thirteenth Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/20/2023	8/16/2023	Average
Laboratory pH	7.5	7.1	7.3	7.3
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	21.7	22.2	22.2	22.0
Apparent Color (mg/L Pt-Co)	18.2	11.8	40.7	23.6
CDOM ( $\mu\text{g}/\text{L}$ )	89.6	122.5	130.2	114.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.2	1.5	2.5	1.8
Transparency (m)	5.2	4.9	4.4	4.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.4	7.2	7.5	6.7
Chloride (mg/L)	1.1	0.8	0.7	0.8
Sulfate (mg/L as $\text{SO}_4$ )	2.2	2.1	1.9	2.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.3	6.1	4.2	5.2
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	26.7	BDL	15.6
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	196.8	251.7	199.6	216.0
Dissolved Organic Carbon (mg/L)	3.3	4.0	3.9	3.7
Calcium (mg/L)	2.3	2.5	2.4	2.4
Sodium (mg/L)	0.9	0.9	0.9	0.9

# Tripp Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Tripp Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/18/2023	7/17/2023	8/13/2023	Average
Laboratory pH	7.5	7.4	6.6	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	90.6	95.7	93.3	93.2
Apparent Color (mg/L Pt-Co)	5.3	31.1	34.3	23.6
CDOM ( $\mu\text{g}/\text{L}$ )	103.6	104.4	111.1	106.4
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.9	1.8	2.0	1.9
Transparency (m)	3.6	3.4	4.0	3.6
Alkalinity (mg/L as $\text{CaCO}_3$ )	22.9	24.8	25.6	24.4
Chloride (mg/L)	11.8	12.3	11.9	12.0
Sulfate (mg/L as $\text{SO}_4$ )	3.5	3.0	2.7	3.1
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.7	6.5	6.9	6.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	8.9	4.6
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	23.6	20.6	BDL	18.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	286.3	302.6	299.1	296.0
Dissolved Organic Carbon (mg/L)	3.9	3.9	4.2	4.0
Calcium (mg/L)	7.9	9.1	8.7	8.6
Sodium (mg/L)	7.6	7.9	8.0	7.8

# Trout Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Trout Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/23/2023	8/20/2023	Average
Laboratory pH	8.4	8.1	7.5	8.0
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	76.2	102.6	66.3	81.7
Apparent Color (mg/L Pt-Co)	18.2	21.4	18.2	19.3
CDOM ( $\mu\text{g}/\text{L}$ )	42.0	124.7	93.6	86.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.3	1.0	4.3	2.2
Transparency (m)	5.0	5.7	5.0	5.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	17.4	24.9	18.1	20.1
Chloride (mg/L)	9.3	13.0	7.5	9.9
Sulfate (mg/L as $\text{SO}_4$ )	2.6	3.5	2.1	2.7
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	8.7	6.5	6.7	7.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	20.2	BDL	13.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	266.9	241.0	254.8	254.2
Dissolved Organic Carbon (mg/L)	2.9	3.7	2.9	3.2
Calcium (mg/L)	7.1	9.3	6.2	7.5
Sodium (mg/L)	5.8	8.5	4.8	6.4

# Tupper Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for Tupper Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/14/2023	8/15/2023	Average
Laboratory pH	7.1	6.7	7.4	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	31.3	30.7	29.4	30.5
Apparent Color (mg/L Pt-Co)	166.2	43.9	53.6	87.9
CDOM ( $\mu\text{g}/\text{L}$ )	153.0	169.1	202.9	175.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.7	2.1	4.1	2.6
Transparency (m)	2.7	2.8	2.2	2.6
Alkalinity (mg/L as $\text{CaCO}_3$ )	6.6	6.0	5.3	5.9
Chloride (mg/L)	4.3	3.4	3.0	3.5
Sulfate (mg/L as $\text{SO}_4$ )	2.3	1.9	1.9	2.0
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	6.3	10.9	6.8	8.0
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	72.6	28.9	31.3	44.3
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	39.6	23.7	BDL	24.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	237.3	443.3	386.0	355.5
Dissolved Organic Carbon (mg/L)	5.2	6.1	6.6	6.0
Calcium (mg/L)	2.8	2.4	2.6	2.6
Sodium (mg/L)	2.4	2.4	2.3	2.4

# Twitchell Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Low	<b>Road Salt Influence</b> Not Significant
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Water quality values for Twitchell Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/24/2023	7/22/2023	9/10/2023	Average
Laboratory pH	7.1	6.9	6.5	6.8
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	10.7	11.7	13.0	11.8
Apparent Color (mg/L Pt-Co)	34.3	40.7	60.0	45.0
CDOM ( $\mu\text{g}/\text{L}$ )	150.2	160.4	238.5	183.0
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	2.7	0.1	0.4	1.1
Transparency (m)	1.5	2.8	1.7	2.0
Alkalinity (mg/L as $\text{CaCO}_3$ )	BDL	BDL	BDL	BDL
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate (mg/L as $\text{SO}_4$ )	1.4	1.5	1.4	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	11.2	9.7	10.4	10.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	5.3	3.4
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	28.3	BDL	16.1
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	340.4	275.1	313.7	309.7
Dissolved Organic Carbon (mg/L)	4.4	4.9	7.0	5.4
Calcium (mg/L)	0.9	1.2	1.1	1.1
Sodium (mg/L)	0.6	0.6	0.6	0.6

# Upper Chateaugay Lake

<b>Trophic State</b> Mesotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Low
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Water quality values for Upper Chateaugay Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/25/2023	7/15/2023	8/13/2023	Average
Laboratory pH	7.3	7.3	7.2	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	77.6	65.7	71.0	71.4
Apparent Color (mg/L Pt-Co)	31.1	66.5	85.8	61.1
CDOM ( $\mu\text{g}/\text{L}$ )	149.2	290.1	261.2	233.5
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	5.8	3.9	10.3	6.7
Transparency (m)	3.7	2.7	2.6	3.0
Alkalinity (mg/L as $\text{CaCO}_3$ )	25.4	21.8	24.5	23.9
Chloride (mg/L)	6.5	5.3	5.5	5.8
Sulfate (mg/L as $\text{SO}_4$ )	2.9	2.2	2.4	2.5
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	11.1	16.6	10.1	12.6
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	31.9	BDL	17.3
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	262.4	411.2	385.4	353.0
Dissolved Organic Carbon (mg/L)	5.1	8.4	7.7	7.1
Calcium (mg/L)	7.4	6.5	7.2	7.1
Sodium (mg/L)	4.4	3.9	4.0	4.1

# West Caroga Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for West Caroga Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/22/2023	7/14/2023	8/14/2023	Average
Laboratory pH	7.2	6.9	7.5	7.2
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	99.6	99.7	101.8	100.4
Apparent Color (mg/L Pt-Co)	18.2	24.6	37.5	26.8
CDOM ( $\mu\text{g}/\text{L}$ )	93.5	118.3	129.8	113.8
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.0	1.4	2.0	1.5
Transparency (m)	4.8	4.1	4.0	4.3
Alkalinity (mg/L as $\text{CaCO}_3$ )	15.1	16.5	17.7	16.4
Chloride (mg/L)	19.3	18.8	18.2	18.8
Sulfate (mg/L as $\text{SO}_4$ )	2.6	2.5	2.4	2.5
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	4.3	3.4	4.8	4.1
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	25.0	BDL	15.0
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	234.8	259.8	265.3	253.3
Dissolved Organic Carbon (mg/L)	4.0	4.5	4.8	4.4
Calcium (mg/L)	5.9	6.2	6.2	6.1
Sodium (mg/L)	11.6	11.5	12.0	11.7



# West Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Low
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Water quality values for West Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/16/2023	Average
Laboratory pH	6.9	7.1	7.4	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	51.3	46.9	52.7	50.3
Apparent Color (mg/L Pt-Co)	34.3	85.8	69.7	63.2
CDOM ( $\mu\text{g}/\text{L}$ )	149.7	228.0	216.6	198.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.1	0.5	3.3	2.3
Transparency (m)	3.3	2.7	2.4	2.8
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.0	4.5	6.0	5.1
Chloride (mg/L)	10.6	8.8	9.7	9.7
Sulfate (mg/L as $\text{SO}_4$ )	2.0	1.7	1.6	1.8
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	7.7	8.8	8.7	8.4
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	13.5	BDL	6.3	7.4
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	BDL	BDL	BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	293.1	326.9	283.8	301.3
Dissolved Organic Carbon (mg/L)	4.0	6.9	6.2	5.7
Calcium (mg/L)	2.2	2.2	2.3	2.3
Sodium (mg/L)	6.4	5.9	7.1	6.5

# White Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> High
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Water quality values for White Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/17/2023	8/21/2023	Average
Laboratory pH	7.7	7.1	8.1	7.6
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	204.0	202.0	201.0	202.3
Apparent Color (mg/L Pt-Co)	5.3	0.0	21.4	8.9
CDOM ( $\mu\text{g}/\text{L}$ )	34.3	58.9	41.6	44.9
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	0.7	0.7	0.8	0.7
Transparency (m)	6.2	6.9	5.6	6.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	18.4	18.1	17.5	18.0
Chloride (mg/L)	49.0	46.5	46.2	47.2
Sulfate (mg/L as $\text{SO}_4$ )	3.7	3.7	3.6	3.7
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	BDL	BDL	BDL	BDL
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	36.8	21.3	10.3	22.8
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL	24.4	BDL	14.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	264.3	260.0	184.0	236.1
Dissolved Organic Carbon (mg/L)	2.8	3.0	2.9	2.9
Calcium (mg/L)	8.9	9.0	8.9	8.9
Sodium (mg/L)	28.0	27.5	28.5	28.0

# Windover Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Adequate	<b>Road Salt Influence</b> Moderate
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Water quality values for Windover Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/23/2023	7/20/2023	8/18/2023	Average
Laboratory pH	7.3	7.1	7.0	7.1
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	98.7	92.2	90.2	93.7
Apparent Color (mg/L Pt-Co)	24.6	47.2	43.9	38.6
CDOM ( $\mu\text{g}/\text{L}$ )	193.3	238.9	213.4	215.2
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.6	1.8	2.3	1.9
Transparency (m)	2.1	1.4	1.7	1.7
Alkalinity (mg/L as $\text{CaCO}_3$ )	20.9	21.7	21.5	21.4
Chloride (mg/L)	15.0	14.0	13.2	14.1
Sulfate (mg/L as $\text{SO}_4$ )	2.7	2.1	2.1	2.3
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	14.0	14.8	12.2	13.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	25.8	31.4	BDL	22.4
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	342.6	420.7	241.3	334.9
Dissolved Organic Carbon (mg/L)	4.0	6.3	5.7	5.3
Calcium (mg/L)	6.7	6.8	6.6	6.7
Sodium (mg/L)	10.3	9.6	9.9	9.9

# Wolf Lake

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Alkaline	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Wolf Lake during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/20/2023	7/2023	8/2023	Average
Laboratory pH	7.7			7.7
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	18.3			18.3
Apparent Color (mg/L Pt-Co)	21.4			21.4
CDOM ( $\mu\text{g}/\text{L}$ )	101.7			101.7
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	1.1			1.1
Transparency (m)	3.2			3.2
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.8			5.8
Chloride (mg/L)	BDL			BDL
Sulfate (mg/L as $\text{SO}_4$ )	2.2			2.2
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.3			5.3
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	74.7			74.7
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	BDL			BDL
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	320.1			320.1
Dissolved Organic Carbon (mg/L)	3.3			3.3
Calcium (mg/L)	2.0			2.0
Sodium (mg/L)	0.7			0.7

Not Sampled Due To Storm Damage

Not Sampled Due To Storm Damage

# Zack Pond

<b>Trophic State</b> Oligotrophic	<b>Acidity</b> Circumneutral	<b>Acid Neutralizing Capacity</b> Moderate	<b>Road Salt Influence</b> Not Significant
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Water quality values for Zack Pond during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/19/2023	7/20/2023	8/14/2023	Average
Laboratory pH	7.7	6.9	7.8	7.4
Sp. Conductance ( $\mu\text{S}/\text{cm}$ @ 25°C)	15.4	13.8	14.3	14.5
Apparent Color (mg/L Pt-Co)	24.6	21.4	31.1	25.7
CDOM ( $\mu\text{g}/\text{L}$ )	50.4	72.7	93.1	72.1
Chlorophyll-a ( $\mu\text{g}/\text{L}$ )	3.3	0.9	1.3	1.8
Transparency (m)	5.1	4.2	6.1	5.1
Alkalinity (mg/L as $\text{CaCO}_3$ )	5.8	3.9	4.5	4.7
Chloride (mg/L)	0.3	0.3	0.3	0.3
Sulfate (mg/L as $\text{SO}_4$ )	1.4	1.4	1.4	1.4
Total Phosphorus ( $\mu\text{g}/\text{L}$ as P)	5.4	6.0	5.8	5.7
Nitrate-Nitrite ( $\mu\text{g}/\text{L}$ as N)	5.9	2.5	2.5	3.6
Ammonia ( $\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$ )	10.0	21.4	10.0	13.8
Total Nitrogen ( $\mu\text{g}/\text{L}$ )	217.2	254.3	199.2	223.6
Dissolved Organic Carbon (mg/L)	2.7	3.6	3.5	3.3
Calcium (mg/L)	1.7	1.7	1.5	1.6
Sodium (mg/L)	0.7	0.6	0.6	0.6