

Adirondack Lake Assessment Program

2022 Update

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

For more information on ALAP and participating lakes please see the comprehensive report: ***Adirondack Lake Assessment Program 2018: a Citizen Science Lake Program in its 21st Year***. This report, released in April of 2019, provides readers with the appropriate background information on interpreting lake data, a regional analysis of the water quality characteristics of Adirondack lakes, and a synthesis of current and historical water quality data for all participating lakes.

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Alford Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Alford Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/3/2022	6/17/2022	7/15/2022	8/12/2022	9/14/2022	Average
Laboratory pH	6.8	7.0	6.6	6.5	6.5	6.7
Sp. Conductance (µS/cm@25 C)	26.3	28.6	29.4	29.0	29.6	28.6
Apparent Color (mg/L Pt-Co)	63.2	79.3	56.8	66.5	53.6	63.9
CDOM (µg/L QSE)	155.5	164.1	160.3	166.9	172.9	163.9
Chlorophyll-a (µg/L)	3.7	3.6	3.6	3.7	3.7	3.6
Transparency (m)	VOB	VOB	VOB	VOB	VOB	1.2
Alkalinity (mg/L as CaCO ₃)	4.6	4.5	4.2	3.7	5.5	4.5
Chloride (mg/L)	3.1	3.0	2.9	3.0	2.6	2.9
Sulfate as SO ₄ (mg/L)	2.4	2.6	2.9	3.0	2.9	2.8
Total Phosphorus (µg/L as P)	18.1	17.4	14.1	18.3	17.2	17.0
Nitrate-Nitrite (µg/L as N)	BDL	6.2	BDL	BDL	BDL	2.9
Ammonia (µg/L as NH ₃ -N)	25.3	BDL	BDL	BDL	BDL	17.9
Total Nitrogen (µg/L)	355.0	399.1	406.3	440.6	437.9	407.8
Dissolved Organic Carbon (NPOC mg/L)	6.2	7.1	7.2	7.4	7.2	7.0
Calcium (mg/L)	2.7	2.9	2.8	2.7	4.7	3.1
Sodium (mg/L)	1.4	1.4	1.5	1.6	1.7	1.5

Amber Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Amber Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/19/2022	8/19/2022	Average
Laboratory pH	6.5	6.8	6.9	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	22.1	25.4	27.6	25.0
Apparent Color (mg/L Pt-Co)	159.8	92.2	76.1	109.4
CDOM ($\mu\text{g}/\text{L}$ QSE)	261.1	201.3	175.9	212.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.9	9.0	5.2	6.0
Transparency (m)	1.7	1.9	1.3	1.6
Alkalinity (mg/L as CaCO_3)	4.5	8.1	9.0	7.2
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.8	3.2	3.4	3.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	9.0	22.0	17.7	16.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	12.9	BDL	BDL	5.5
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	65.3	28.3	BDL	35.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	473.0	412.2	366.2	417.1
Dissolved Organic Carbon (NPOC mg/L)	12.2	10.2	7.8	10.1
Calcium (mg/L)	2.5	3.4	3.5	3.1
Sodium (mg/L)	0.8	1.0	1.1	1.0

Arbutus Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Arbutus Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/19/2022	8/16/2022	Average
Laboratory pH	6.8	6.7	6.9	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	16.1	18.4	17.2	17.3
Apparent Color (mg/L Pt-Co)	31.1	31.1	34.3	32.1
CDOM ($\mu\text{g}/\text{L QSE}$)	128.2	135.5	124.6	129.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.3	1.5	0.2	1.7
Transparency (m)	2.8	3.5	4.0	3.4
Alkalinity (mg/L as CaCO_3)	5.5	3.5	5.3	4.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.7	2.6	2.9	2.7
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	5.3	5.6	8.2	6.4
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	212.7	243.4	254.0	236.7
Dissolved Organic Carbon (NPOC mg/L)	4.8	5.1	5.4	5.1
Calcium (mg/L)	2.1	2.2	2.5	2.3
Sodium (mg/L)	0.7	0.7	0.8	0.7

Augur Lake

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
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Water quality values for Augur Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/25/2022	8/19/2022	Average
Laboratory pH	7.9	8.0	8.6	8.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	215.0	230.0	221.0	222.0
Apparent Color (mg/L Pt-Co)	11.8	31.1	47.2	30.0
CDOM ($\mu\text{g}/\text{L QSE}$)	80.8	72.1	90.8	81.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.7	2.4	11.8	5.6
Transparency (m)	3.5	2.5	1.8	2.6
Alkalinity (mg/L as CaCO_3)	43.0	40.2	40.5	41.2
Chloride (mg/L)	38.9	41.3	43.2	41.1
Sulfate as SO_4 (mg/L)	3.8	3.6	3.4	3.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.1	23.3	25.2	20.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	7.5	BDL	BDL	2.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	271.7	272.3	343.5	295.8
Dissolved Organic Carbon (NPOC mg/L)	3.5	4.2	4.1	3.9
Calcium (mg/L)	16.5	17.2	16.5	16.7
Sodium (mg/L)	23.8	25.6	24.5	24.6

Austin Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Austin Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/26/2022	7/24/2022	8/11/2022	Average
Laboratory pH	7.1	7.1	7.3	7.2
Sp. Conductance (µS/cm@25 C)	117.9	122.3	119.0	119.7
Apparent Color (mg/L Pt-Co)	27.9	69.7	69.7	55.7
CDOM (µg/L QSE)	119.5	150.3	144.3	138.0
Chlorophyll-a (µg/L)	2.8	3.3	3.0	3.0
Transparency (m)	2.3	0.9	1.0	1.4
Alkalinity (mg/L as CaCO ₃)	32.8	31.0	33.6	32.5
Chloride (mg/L)	15.5	16.2	15.5	15.7
Sulfate as SO ₄ (mg/L)	2.7	1.7	1.8	2.1
Total Phosphorus (µg/L as P)	9.6	19.3	16.2	15.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	406.7	224.0	277.3	302.7
Dissolved Organic Carbon (NPOC mg/L)	4.1	5.5	5.3	5.0
Calcium (mg/L)	13.1	13.4	12.2	12.9
Sodium (mg/L)	9.1	8.8	7.6	8.5

Bartlett Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Bartlett Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/19/2022	6/24/2022	7/13/2022	8/16/2022	9/20/2022	Average
Laboratory pH	7.0	7.4	7.2	7.1	6.9	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	49.4	58.6	60.0	65.1	66.9	60.0
Apparent Color (mg/L Pt-Co)	76.1	34.3	37.5	34.3	43.9	45.2
CDOM ($\mu\text{g}/\text{L QSE}$)	120.3	115.4	111.7	109.3	154.0	122.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.8	0.8	2.4	2.0	3.3	2.1
Transparency (m)	3.6	3.6	3.8	3.2	3.4	3.5
Alkalinity (mg/L as CaCO_3)	16.7	19.0	19.4	23.1	25.9	20.8
Chloride (mg/L)	5.1	6.3	5.0	5.8	5.6	5.6
Sulfate as SO_4 (mg/L)	2.3	2.0	1.9	1.5	1.5	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.8	8.1	5.6	6.3	9.9	7.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	35.4	42.0	BDL	BDL	34.8	29.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	196.7	229.8	250.7	245.5	256.6	235.9
Dissolved Organic Carbon (NPOC mg/L)	4.0	3.9	4.4	4.7	4.5	4.3
Calcium (mg/L)	5.6	6.4	6.4	6.5	7.5	6.5
Sodium (mg/L)	3.0	3.4	3.4	3.1	3.5	3.3

Big Cherry Patch Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence High
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Water quality values for Big Cherry Patch Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/26/2022	6/17/2022	7/11/2022	8/15/2022	9/7/2022	Average
Laboratory pH	7.1	7.3	7.3	6.8	6.9	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	176.0	187.3	195.5	198.5	197.0	190.9
Apparent Color (mg/L Pt-Co)	92.2	95.4	98.6	124.4	137.2	109.6
CDOM ($\mu\text{g}/\text{L QSE}$)	265.5	267.6	262.8	299.7	328.9	284.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.4	3.2	3.1	8.2	4.2	4.2
Transparency (m)	1.2	1.4	1.5	N/A	N/A	1.3
Alkalinity (mg/L as CaCO_3)	15.7	16.9	16.4	23.0	24.5	19.3
Chloride (mg/L)	39.6	41.5	42.5	41.9	42.2	41.5
Sulfate as SO_4 (mg/L)	5.2	4.9	4.2	3.5	3.2	4.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	18.6	9.8	20.2	26.5	17.4	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	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	361.2	371.4	439.6	427.0	456.2	411.1
Dissolved Organic Carbon (NPOC mg/L)	9.5	10.2	11.3	12.3	13.4	11.3
Calcium (mg/L)	7.3	7.9	8.1	9.3	8.6	8.2
Sodium (mg/L)	25.0	26.4	25.5	25.0	24.6	25.3

Big Moose Lake

Trophic State Oligotrophic	Acidity Acidic (acceptable)	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Big Moose Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/24/2022	8/20/2022	Average
Laboratory pH	6.0	6.4	6.7	6.3
Sp. Conductance (µS/cm@25 C)	13.7	12.8	14.0	13.5
Apparent Color (mg/L Pt-Co)	34.3	34.3	37.5	35.4
CDOM (µg/L QSE)	166.1	162.8	147.8	158.9
Chlorophyll-a (µg/L)	1.0	2.5	2.6	2.1
Transparency (m)	3.2	3.8	4.2	3.7
Alkalinity (mg/L as CaCO ₃)	2.7	BDL	3.3	2.5
Chloride (mg/L)	BDL	BDL	0.8	0.6
Sulfate as SO ₄ (mg/L)	1.9	1.7	1.9	1.8
Total Phosphorus (µg/L as P)	5.3	6.3	6.6	6.1
Nitrate-Nitrite (µg/L as N)	85.4	35.6	24.0	48.3
Ammonia (µg/L as NH ₃ -N)	20.9	BDL	BDL	18.8
Total Nitrogen (µg/L)	297.9	253.4	314.5	288.6
Dissolved Organic Carbon (NPOC mg/L)	5.8	5.3	5.9	5.6
Calcium (mg/L)	1.3	1.3	1.6	1.4
Sodium (mg/L)	0.7	0.7	0.8	0.7

Black Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Black Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/17/2022	6/15/2022	7/27/2022	8/15/2022	9/26/2022	Average
Laboratory pH	7.0	6.7	6.8	7.2	6.5	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	8.9	8.3	8.4	8.0	8.5	8.4
Apparent Color (mg/L Pt-Co)	27.9	21.4	31.1	66.5	24.6	34.3
CDOM ($\mu\text{g}/\text{L}$ QSE)	68.0	61.8	91.7	57.8	70.2	69.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.4	1.8	2.1	2.2	3.8	2.6
Transparency (m)	3.3	5.4	4.6	4.6	4.4	4.4
Alkalinity (mg/L as CaCO_3)	3.5	3.1	BDL	2.9	3.6	3.0
Chloride (mg/L)	BDL	2.6	BDL	BDL	BDL	0.8
Sulfate as SO_4 (mg/L)	0.4	0.3	0.3	0.3	0.3	0.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.1	8.4	6.3	7.3	7.8	8.0
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	22.0	BDL	BDL	16.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	341.2	366.0	356.4	354.8	315.2	346.7
Dissolved Organic Carbon (NPOC mg/L)	4.8	4.9	5.0	5.1	4.9	4.9
Calcium (mg/L)	0.8	0.8	0.8	0.8	0.9	0.8
Sodium (mg/L)	0.1	0.1	0.1	0.1	0.03	0.1

Blue Mountain Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Moderate
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Water quality values for Blue Mountain Lake during the 2022 sampling season. BDL= Below Detection Limit.

East Bay

Water Quality Indicator	5/25/2022	6/24/2022	7/20/2022	8/16/2022	9/21/2022	Average
Laboratory pH	7.0	7.3	7.0	7.1	7.3	7.1
Sp. Conductance (µS/cm@25 C)	94.9	94.2	78.1	96.7	80.7	88.9
Apparent Color (mg/L Pt-Co)	11.8	5.3	8.6	11.8	8.6	9.2
CDOM (µg/L QSE)	65.4	63.7	49.3	41.4	40.8	52.1
Chlorophyll-a (µg/L)	1.1	0.5	0.6	0.8	1.6	0.9
Transparency (m)	6.7	9.7	8.2	9.0	9.4	8.6
Alkalinity (mg/L as CaCO ₃)	9.2	9.5	6.0	10.0	9.4	8.8
Chloride (mg/L)	21.0	20.2	16.8	21.5	19.6	19.8
Sulfate as SO ₄ (mg/L)	2.4	2.4	2.0	2.6	2.2	2.3
Total Phosphorus (µg/L as P)	5.4	3.3	3.7	3.5	4.9	4.2
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	23.4	BDL	BDL	BDL	17.0
Total Nitrogen (µg/L)	176.7	196.1	163.7	191.7	161.6	178.0
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.6	3.3	3.8	3.3	3.5
Calcium (mg/L)	4.3	4.2	3.6	4.4	4.0	4.1
Sodium (mg/L)	14.3	13.4	10.5	13.1	11.9	12.6

Halsch Bay

Laboratory pH	7.0	7.2	7.0	7.0	7.1	7.1
Sp. Conductance (µS/cm@25 C)	79.1	91.8	91.9	94.1	91.3	89.6
Apparent Color (mg/L Pt-Co)	11.8	5.3	2.1	15.0	8.6	8.6
CDOM (µg/L QSE)	50.5	58.8	35.2	44.1	44.9	46.7
Chlorophyll-a (µg/L)	0.7	0.6	0.7	0.7	1.1	0.7
Transparency (m)	6.4	9.5	8.9	8.7	9.8	8.7
Alkalinity (mg/L as CaCO ₃)	7.6	9.5	9.4	9.8	9.4	9.2
Chloride (mg/L)	17.6	19.4	20.2	20.7	19.1	19.4
Sulfate as SO ₄ (mg/L)	2.1	2.4	2.3	2.5	2.2	2.3
Total Phosphorus (µg/L as P)	4.7	3.1	BDL	BDL	3.1	3.2
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	20.1	BDL	BDL	20.6	17.3
Total Nitrogen (µg/L)	134.9	184.5	203.4	178.0	177.8	175.7
Dissolved Organic Carbon (NPOC mg/L)	3.1	3.3	3.7	3.5	3.3	3.4
Calcium (mg/L)	3.6	4.1	4.1	4.3	4.2	4.1

	Sodium (mg/L)	10.8	12.7	12.4	12.7	12.7	12.3
Town Bay							
Laboratory pH	7.1	7.2	6.9	7.2	7.2	7.1	
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	86.8	94.8	68.5	86.4	73.6	82.0	
Apparent Color (mg/L Pt-Co)	8.6	11.8	2.1	15.0	11.8	9.8	
CDOM ($\mu\text{g}/\text{L}$ QSE)	71.0	82.5	47.3	46.0	47.8	58.9	
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	0.7	0.7	0.9	1.3	0.9	
Alkalinity (mg/L as CaCO_3)	8.7	9.6	8.4	9.5	8.0	8.9	
Chloride (mg/L)	18.4	20.2	14.6	19.2	15.2	17.5	
Sulfate as SO_4 (mg/L)	2.2	2.4	1.8	2.4	1.8	2.1	
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	3.5	BDL	5.2	5.5	4.6	4.3	
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	10.6	BDL	BDL	BDL	BDL	BDL	
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	25.3	22.4	BDL	22.1	20.5	
Total Nitrogen ($\mu\text{g}/\text{L}$)	163.0	195.4	254.1	191.3	137.5	188.3	
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.9	3.7	3.8	3.0	3.6	
Calcium (mg/L)	4.0	4.3	3.1	4.3	3.3	3.8	
Sodium (mg/L)	13.1	13.4	8.7	12.2	9.2	11.3	

West Bay

Laboratory pH	7.0	7.2	6.9	7.2	7.2	7.1	
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	92.9	74.1	63.6	90.5	81.3	80.5	
Apparent Color (mg/L Pt-Co)	11.8	8.6	2.1	11.8	8.6	8.6	
CDOM ($\mu\text{g}/\text{L}$ QSE)	52.4	65.3	30.1	31.2	43.9	44.6	
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	0.5	0.7	0.7	1.4	0.9	
Alkalinity (mg/L as CaCO_3)	8.9	8.1	6.4	9.7	8.5	8.3	
Chloride (mg/L)	24.1	15.3	13.7	19.7	17.1	18.0	
Sulfate as SO_4 (mg/L)	2.5	1.9	1.7	2.4	2.0	2.1	
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	BDL	4.8	BDL	BDL	4.0	3.4	
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	23.5	BDL	BDL	BDL	16.4	
Total Nitrogen ($\mu\text{g}/\text{L}$)	146.3	176.1	139.5	169.1	157.7	157.7	
Dissolved Organic Carbon (NPOC mg/L)	3.2	2.9	3.0	3.4	3.1	3.1	
Calcium (mg/L)	4.3	3.4	2.9	4.2	3.6	3.7	
Sodium (mg/L)	13.8	10.0	8.3	12.2	10.5	11.0	

Bone Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Bone Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/29/2022	6/26/2022	7/24/2022	8/20/2022	9/26/2022	Average
Laboratory pH	6.6	6.7	6.7	6.9	6.4	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	10.5	10.1	9.9	10.1	13.1	10.7
Apparent Color (mg/L Pt-Co)	18.2	31.1	18.2	18.2	18.2	20.8
CDOM ($\mu\text{g}/\text{L QSE}$)	87.2	104.4	76.2	58.1	83.0	81.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.4	1.2	1.6	0.8	3.0	1.6
Transparency (m)	3.8	5.5	4.9	4.3	4.3	4.5
Alkalinity (mg/L as CaCO_3)	3.4	3.4	BDL	3.4	3.6	3.1
Chloride (mg/L)	0.6	BDL	BDL	BDL	BDL	0.4
Sulfate as SO_4 (mg/L)	1.0	1.0	0.9	1.0	1.0	1.0
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	12.0	7.8	7.9	8.2	8.9	9.0
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	6.9	BDL	BDL	BDL	BDL	2.0
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	367.9	416.2	366.4	332.9	333.5	363.4
Dissolved Organic Carbon (NPOC mg/L)	3.9	4.1	5.1	4.8	5.1	4.6
Calcium (mg/L)	1.0	0.8	0.7	0.9	0.9	0.8
Sodium (mg/L)	0.2	0.2	0.3	0.2	0.2	0.2

Brandreth Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Brandreth Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/19/2022	7/15/2022	8/19/2022	Average
Laboratory pH	6.5	6.6	6.8	6.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	14.0	13.4	13.9	13.7
Apparent Color (mg/L Pt-Co)	27.9	5.3	15.0	16.1
CDOM ($\mu\text{g}/\text{L QSE}$)	111.1	69.3	53.7	78.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.5	0.3	0.5	0.5
Transparency (m)	7.2	8.1	8.0	7.8
Alkalinity (mg/L as CaCO_3)	3.4	BDL	3.4	2.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.4	2.3	2.5	2.4
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	3.1	3.5	BDL	2.7
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	90.6	80.3	63.4	78.1
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	21.6	24.0	21.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	234.0	210.7	196.9	213.9
Dissolved Organic Carbon (NPOC mg/L)	3.2	3.3	3.2	3.2
Calcium (mg/L)	1.4	1.3	1.5	1.4
Sodium (mg/L)	0.6	0.6	0.7	0.6

Butternut Pond

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
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Water quality values for Butternut Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/22/2022	7/13/2022	8/10/2022	Average
Laboratory pH	8.4	7.9	7.7	8.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	206.0	219.0	228.0	217.7
Apparent Color (mg/L Pt-Co)	21.4	15.0	11.8	16.1
CDOM ($\mu\text{g}/\text{L QSE}$)	89.6	83.2	80.6	84.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.7	1.6	2.0	1.8
Transparency (m)	2.6	4.5	4.1	3.7
Alkalinity (mg/L as CaCO_3)	29.0	31.0	34.3	31.4
Chloride (mg/L)	42.2	44.0	46.0	44.1
Sulfate as SO_4 (mg/L)	3.3	3.0	2.7	3.0
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	9.9	11.0	10.1	10.3
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	22.3	19.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	244.2	333.6	260.0	279.3
Dissolved Organic Carbon (NPOC mg/L)	3.7	4.1	4.2	4.0
Calcium (mg/L)	12.7	12.3	12.1	12.3
Sodium (mg/L)	28.4	27.6	27.4	27.8

Canada Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Canada Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/20/2022	7/20/2022	8/15/2022	9/2/2022	Average
Laboratory pH	7.0	6.9	6.9	6.8	7.1	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	42.9	43.9	45.8	47.7	48.4	45.7
Apparent Color (mg/L Pt-Co)	37.5	21.4	27.9	24.6	15.0	25.3
CDOM ($\mu\text{g}/\text{L QSE}$)	113.9	127.4	105.7	97.3	96.5	108.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	1.9	4.0	2.1	0.9	2.0
Transparency (m)	4.0	3.7	3.9	5.5	7.6	4.9
Alkalinity (mg/L as CaCO_3)	4.1	5.0	4.3	6.6	7.3	5.5
Chloride (mg/L)	7.6	7.6	8.1	8.5	8.7	8.1
Sulfate as SO_4 (mg/L)	2.2	2.1	2.0	2.2	2.1	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.2	4.3	4.3	3.9	10.2	5.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	166.0	106.0	31.3	10.0	18.6	66.4
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	24.6	16.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	261.7	291.8	199.9	177.1	172.3	220.6
Dissolved Organic Carbon (NPOC mg/L)	3.4	3.6	4.1	3.9	3.9	3.8
Calcium (mg/L)	2.2	2.3	2.2	2.7	2.5	2.4
Sodium (mg/L)	5.2	5.3	5.5	5.5	5.6	5.4

Catlin Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Catlin Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/20/2022	8/15/2022	Average
Laboratory pH	6.9	6.7	6.9	6.8
Sp. Conductance (µS/cm@25 C)	20.1	20.4	21.1	20.5
Apparent Color (mg/L Pt-Co)	34.3	27.9	31.1	31.1
CDOM (µg/L QSE)	143.6	134.1	123.8	133.8
Chlorophyll-a (µg/L)	1.7	1.6	1.2	1.5
Transparency (m)	2.9	4.2	4.2	3.8
Alkalinity (mg/L as CaCO ₃)	6.4	5.3	7.6	6.4
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	2.3	2.1	2.4	2.3
Total Phosphorus (µg/L as P)	6.5	6.4	6.4	6.4
Nitrate-Nitrite (µg/L as N)	56.1	BDL	BDL	19.0
Ammonia (µg/L as NH ₃ -N)	21.9	BDL	BDL	17.0
Total Nitrogen (µg/L)	243.4	266.8	210.1	240.1
Dissolved Organic Carbon (NPOC mg/L)	4.6	5.3	4.8	4.9
Calcium (mg/L)	2.4	2.4	2.7	2.5
Sodium (mg/L)	0.9	1.0	0.9	0.9

Chase's Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Chase's Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/16/2022	8/13/2022	Average
Laboratory pH	7.1	7.0	6.8	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	24.7	25.2	26.1	25.3
Apparent Color (mg/L Pt-Co)	50.4	37.5	47.2	45.0
CDOM ($\mu\text{g}/\text{L}$ QSE)	142.9	134.8	146.0	141.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.9	1.2	1.5	1.9
Transparency (m)	1.8	2.5	2.5	2.3
Alkalinity (mg/L as CaCO_3)	8.0	6.4	9.1	7.8
Chloride (mg/L)	0.7	1.0	1.1	0.9
Sulfate as SO_4 (mg/L)	2.2	2.1	2.2	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.9	4.9	5.9	6.2
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	24.5	BDL	19.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	205.4	214.6	192.0	204.0
Dissolved Organic Carbon (NPOC mg/L)	4.6	5.0	4.9	4.8
Calcium (mg/L)	2.6	2.7	3.0	2.8
Sodium (mg/L)	1.3	1.4	1.4	1.3

Chazy Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values and for Chazy Lake during the 2022 sampling season. BDL=below detection limit.

Eagle Point

Water Quality Indicator	6/20/2022	7/15/2022	8/13/2022	Average
Laboratory pH	7.3	7.9	7.6	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	82.7	83.6	86.6	84.3
Apparent Color (mg/L Pt-Co)	5.3	18.2	11.8	11.8
CDOM ($\mu\text{g}/\text{L QSE}$)	71.5	57.1	51.4	60.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.1	1.1	1.2	1.5
Transparency (m)	4.4	6.2	6.7	5.7
Alkalinity (mg/L as CaCO_3)	22.6	21.1	24.4	22.7
Chloride (mg/L)	10.5	10.3	10.4	10.4
Sulfate as SO_4 (mg/L)	2.4	2.3	2.4	2.3
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	5.6	4.5	5.5	5.2
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	160.9	268.8	224.0	217.9
Dissolved Organic Carbon (NPOC mg/L)	3.2	3.5	3.7	3.5
Calcium (mg/L)	7.2	6.9	7.2	7.1
Sodium (mg/L)	7.0	6.9	6.8	6.9

Halfway Point

Laboratory pH	7.4	7.8	7.6	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	82.9	83.9	86.2	84.3
Apparent Color (mg/L Pt-Co)	76.1	18.2	11.8	35.4
CDOM ($\mu\text{g}/\text{L QSE}$)	71.6	60.4	51.9	61.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.3	1.1	1.5	1.6
Transparency (m)		6.4	6.0	6.2
Alkalinity (mg/L as CaCO_3)	22.5	20.8	24.6	22.6
Chloride (mg/L)	10.5	10.2	10.2	10.3
Sulfate as SO_4 (mg/L)	2.3	2.3	2.4	2.3
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	6.4	4.3	4.2	5.0
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	22.0	BDL	BDL	8.2
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	175.0	280.6	177.2	210.9
Dissolved Organic Carbon (NPOC mg/L)	3.1	3.6	3.4	3.4

Calcium (mg/L)	7.2	6.2	7.3	6.9
Sodium (mg/L)	7.1	6.3	6.8	6.7

South Inlet

Laboratory pH	7.3	7.8	7.6	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	83.1	83.1	85.7	84.0
Apparent Color (mg/L Pt-Co)	15.0	11.8	11.8	12.8
CDOM ($\mu\text{g}/\text{L QSE}$)	72.0	65.7	56.5	64.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.3	1.1	1.4	1.6
Transparency (m)	3.6	3.7	3.9	3.7
Alkalinity (mg/L as CaCO_3)	22.5	20.7	24.4	22.5
Chloride (mg/L)	10.6	10.2	10.2	10.3
Sulfate as SO_4 (mg/L)	2.4	2.3	2.4	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.1	5.6	4.1	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	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	180.8	254.1	167.9	200.9
Dissolved Organic Carbon (NPOC mg/L)	3.2	3.5	3.5	3.4
Calcium (mg/L)	7.2	6.7	7.2	7.0
Sodium (mg/L)	7.0	6.7	6.8	6.8

Connery Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Connery Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/26/2022	6/16/2022	7/11/2022	8/11/2022	9/7/2022	Average
Laboratory pH	7.0	7.0	7.3	7.4	7.5	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	28.6	28.1	29.2	29.6	30.1	29.1
Apparent Color (mg/L Pt-Co)	24.6	31.1	27.9	21.4	21.4	25.3
CDOM ($\mu\text{g}/\text{L QSE}$)	130.4	118.6	100.2	93.7	109.3	110.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.3	0.9	1.5	1.5	2.5	1.5
Transparency (m)	2.6	2.9	3.9	4.9	5.1	3.9
Alkalinity (mg/L as CaCO_3)	9.9	10.0	9.0	11.1	12.0	10.4
Chloride (mg/L)	0.5	0.8	BDL	BDL	BDL	0.5
Sulfate as SO_4 (mg/L)	3.0	3.1	2.8	2.9	3.0	3.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.5	9.1	8.8	7.3	5.0	8.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	21.5	11.2	BDL	BDL	BDL	6.9
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	41.6	24.9	BDL	BDL	BDL	21.1
Total Nitrogen ($\mu\text{g}/\text{L}$)	265.9	226.0	306.4	215.2	248.4	252.4
Dissolved Organic Carbon (NPOC mg/L)	4.6	4.5	4.9	5.0	4.8	4.7
Calcium (mg/L)	3.6	3.7	3.6	3.8	3.5	3.6
Sodium (mg/L)	0.8	0.8	0.8	0.8	0.8	0.8

Copperas Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values for Copperas Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/15/2022	7/11/2022	8/11/2022	9/5/2022	Average
Laboratory pH	7.2	7.6	7.5	7.4	6.9	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	49.3	48.4	45.6	46.3	49.8	47.9
Apparent Color (mg/L Pt-Co)	31.1	18.2	18.2	21.4	24.6	22.7
CDOM ($\mu\text{g}/\text{L QSE}$)	74.9	50.9	40.8	26.3	74.7	53.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.9	1.4	2.0	1.9	3.9	2.6
Transparency (m)	3.0	4.1	3.6	3.7	3.7	3.6
Alkalinity (mg/L as CaCO_3)	21.8	22.7	20.3	22.4	24.6	22.4
Chloride (mg/L)	0.6	1.7	BDL	BDL	0.6	0.7
Sulfate as SO_4 (mg/L)	2.6	2.7	2.6	2.3	2.5	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	11.3	8.4	4.8	5.8	7.2	7.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	6.4	BDL	BDL	BDL	BDL	2.5
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	23.6	BDL	BDL	BDL	BDL	13.1
Total Nitrogen ($\mu\text{g}/\text{L}$)	166.5	152.8	166.3	130.8	179.2	159.1
Dissolved Organic Carbon (NPOC mg/L)	2.7	2.7	2.9	2.7	2.6	2.7
Calcium (mg/L)	5.6	5.6	5.2	5.3	5.4	5.4
Sodium (mg/L)	1.5	1.5	1.5	1.5	1.5	1.5

Cranberry Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Cranberry Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/26/2022	8/16/2022	Average
Laboratory pH	6.7	6.9	6.8	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	16.4	18.1	17.8	17.4
Apparent Color (mg/L Pt-Co)	27.9	37.5	40.7	35.4
CDOM ($\mu\text{g}/\text{L}$ QSE)	139.3	160.4	141.0	146.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	2.3	3.0	2.1
Transparency (m)	3.2	3.0	3.1	3.1
Alkalinity (mg/L as CaCO_3)	4.0	4.9	5.0	4.6
Chloride (mg/L)	BDL	BDL	0.5	0.4
Sulfate as SO_4 (mg/L)	2.1	2.2	2.3	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.0	5.6	4.1	5.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	79.4	40.7	26.9	49.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	25.2	BDL	18.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	259.7	219.7	193.3	224.2
Dissolved Organic Carbon (NPOC mg/L)	4.1	5.0	4.7	4.6
Calcium (mg/L)	1.7	1.9	2.1	1.9
Sodium (mg/L)	0.7	0.9	0.9	0.8

Deer Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Deer Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/19/2022	8/12/2022	Average
Laboratory pH	7.0	7.0	6.8	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	22.0	22.6	23.1	22.6
Apparent Color (mg/L Pt-Co)	40.7	40.7	50.4	43.9
CDOM ($\mu\text{g}/\text{L QSE}$)	145.5	135.9	147.9	143.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.5	1.9	2.1	2.2
Transparency (m)	2.5	2.8	3.4	2.9
Alkalinity (mg/L as CaCO_3)	8.2	6.7	9.5	8.1
Chloride (mg/L)	BDL	BDL	BDL	0.4
Sulfate as SO_4 (mg/L)	2.1	1.8	2.0	2.0
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	6.7	9.2	8.1	8.0
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	19.9	BDL	6.6
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	23.9	BDL	18.3
Total Nitrogen ($\mu\text{g}/\text{L}$)	279.2	278.1	290.9	282.7
Dissolved Organic Carbon (NPOC mg/L)	4.8	5.6	5.7	5.4
Calcium (mg/L)	2.7	2.7	3.1	2.9
Sodium (mg/L)	1.0	1.1	1.2	1.1

Eagle Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Eagle Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/27/2022	8/3/2022	8/27/2022	Average
Laboratory pH	7.2	7.0	6.8	7.0
Sp. Conductance (µS/cm@25 C)	101.6	104.1	104.6	103.4
Apparent Color (mg/L Pt-Co)	15.0	15.0	11.8	13.9
CDOM (µg/L QSE)	57.3	41.7	61.3	53.4
Chlorophyll-a (µg/L)	0.2	0.4	0.4	0.3
Transparency (m)	3.7	6.3	5.0	5.0
Alkalinity (mg/L as CaCO ₃)	10.1	10.9	11.2	10.7
Chloride (mg/L)	22.0	22.6	23.1	22.6
Sulfate as SO ₄ (mg/L)	2.4	2.4	2.5	2.4
Total Phosphorus (µg/L as P)	3.8	5.4	10.1	6.4
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	0.9
Ammonia (µg/L as NH ₃ -N)	20.0	BDL	BDL	17.0
Total Nitrogen (µg/L)	216.0	186.8	227.2	210.0
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.8	3.8	3.7
Calcium (mg/L)	4.5	4.7	4.8	4.7
Sodium (mg/L)	14.5	14.6	14.1	14.4

East Caroga Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for East Caroga Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/17/2022	8/14/2022	Average
Laboratory pH	7.8	8.5	7.9	8.0
Sp. Conductance (µS/cm@25 C)	158.2	151.4	159.5	156.4
Apparent Color (mg/L Pt-Co)	31.1	21.4	31.1	27.9
CDOM (µg/L QSE)	111.4	102.1	85.6	99.7
Chlorophyll-a (µg/L)	2.2	1.8	7.1	3.7
Transparency (m)	4.4	5.3	3.2	4.3
Alkalinity (mg/L as CaCO ₃)	28.2	24.5	31.7	28.1
Chloride (mg/L)	28.6	27.7	30.0	28.8
Sulfate as SO ₄ (mg/L)	2.6	2.3	2.1	2.3
Total Phosphorus (µg/L as P)	5.0	6.3	9.2	6.8
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	0.6
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	15.6
Total Nitrogen (µg/L)	240.8	244.1	211.0	232.0
Dissolved Organic Carbon (NPOC mg/L)	4.2	4.5	4.5	4.4
Calcium (mg/L)	11.1	10.9	11.5	11.2
Sodium (mg/L)	18.5	17.8	18.1	18.2

East Pine Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for East Pine Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/24/2022	7/22/2022	8/19/2022	9/9/2022	Average
Laboratory pH	7.1	7.2	7.3	7.2	7.2	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	27.8	26.9	26.6	25.6	27.6	26.9
Apparent Color (mg/L Pt-Co)	11.8	27.9	31.1	15.0	34.3	24.0
CDOM ($\mu\text{g}/\text{L QSE}$)	76.6	87.8	90.3	76.1	108.4	87.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.2	1.9	2.9	1.6	2.1	1.7
Transparency (m)	4.0	4.0	3.6	4.1	4.1	3.9
Alkalinity (mg/L as CaCO_3)	9.2	10.5	8.6	10.6	11.4	10.1
Chloride (mg/L)	0.9	1.0	0.7	0.9	0.8	0.9
Sulfate as SO_4 (mg/L)	2.2	2.2	2.0	2.0	2.0	2.1
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	10.9	7.9	6.3	6.8	7.8	7.9
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	30.2	21.1	BDL	BDL	30.4	20.3
Total Nitrogen ($\mu\text{g}/\text{L}$)	173.1	191.0	209.0	176.7	264.9	202.9
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.4	3.9	4.0	4.3	3.8
Calcium (mg/L)	3.1	2.9	2.7	3.0	2.9	2.9
Sodium (mg/L)	1.1	1.0	1.0	1.0	1.1	1.0

Echo Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Echo Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/26/2022	6/17/2022	7/11/2022	8/15/2022	9/7/2022	Average
Laboratory pH	7.1	7.4	7.5	7.6	7.3	7.4
Sp. Conductance (µS/cm@25 C)	38.1	40.8	47.0	47.2	48.1	44.2
Apparent Color (mg/L Pt-Co)	31.1	56.8	56.8	53.6	53.6	50.4
CDOM (µg/L QSE)	127.0	132.8	116.1	129.8	127.6	126.7
Chlorophyll-a (µg/L)	2.9	4.5	7.3	6.2	4.7	5.1
Transparency (m)	1.2	1.0	1.1	1.6	1.1	1.2
Alkalinity (mg/L as CaCO ₃)	13.3	14.3	16.1	19.1	19.6	16.5
Chloride (mg/L)	1.3	0.8	0.9	1.2	1.1	1.1
Sulfate as SO ₄ (mg/L)	4.1	3.8	3.5	3.5	3.9	3.7
Total Phosphorus (µg/L as P)	18.3	11.8	25.3	19.3	24.2	19.8
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	263.9	289.0	449.5	397.0	415.9	363.1
Dissolved Organic Carbon (NPOC mg/L)	4.3	5.2	5.8	5.9	6.0	5.4
Calcium (mg/L)	4.4	4.9	5.7	5.4	7.4	5.5
Sodium (mg/L)	1.3	1.4	1.6	1.5	1.8	1.5

Eli Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values for Eli Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/19/2022	7/16/2022	8/19/2022	Average
Laboratory pH	7.4	7.4	7.4	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	37.3	39.7	40.9	39.3
Apparent Color (mg/L Pt-Co)	18.2	34.3	50.4	34.3
CDOM ($\mu\text{g}/\text{L}$ QSE)	64.7	78.3	102.4	81.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.1	2.7	5.2	3.3
Transparency (m)	4.0	3.7	3.7	3.8
Alkalinity (mg/L as CaCO_3)	16.2	15.1	19.9	17.1
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.9	2.4	2.2	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.4	10.6	17.5	12.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	204.3	371.6	318.4	298.1
Dissolved Organic Carbon (NPOC mg/L)	3.2	4.3	4.6	4.0
Calcium (mg/L)	5.1	5.5	6.1	5.6
Sodium (mg/L)	1.3	1.4	1.3	1.3

Fern Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Fern Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/21/2022	7/22/2022	8/20/2022	Average
Laboratory pH	7.5	7.3	7.5	7.5
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	58.4	57.9	58.3	58.2
Apparent Color (mg/L Pt-Co)	40.7	18.2	15.0	24.6
CDOM ($\mu\text{g}/\text{L}$ QSE)	58.9	58.0	53.9	56.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.4	2.5	3.5	2.8
Transparency (m)	3.9	3.5	3.5	3.6
Alkalinity (mg/L as CaCO_3)	19.0	17.3	20.1	18.8
Chloride (mg/L)	5.4	4.6	4.8	4.9
Sulfate as SO_4 (mg/L)	2.6	2.4	2.4	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.4	13.6	8.6	10.2
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	20.1	BDL	17.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	370.3	380.4	403.6	384.8
Dissolved Organic Carbon (NPOC mg/L)	4.3	5.1	4.5	4.7
Calcium (mg/L)	5.8	5.5	5.9	5.8
Sodium (mg/L)	3.1	3.1	3.1	3.1

Fish Creek Pond East

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Fish Creek Pond East Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/17/2022	6/14/2022	7/13/2022	8/10/2022	9/21/2022	Average
Laboratory pH	6.9	7.1	6.9	7.0	6.7	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	38.4	36.4	36.1	41.4	44.7	39.4
Apparent Color (mg/L Pt-Co)	50.4	43.9	50.1	31.1	53.6	45.8
CDOM ($\mu\text{g}/\text{L QSE}$)	107.0	113.2	124.2	110.9	122.5	115.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.1	3.1	2.5	3.8	4.2	3.4
Transparency (m)	2.8	2.6	3.6	3.9	2.9	3.1
Alkalinity (mg/L as CaCO_3)	9.6	9.8	9.4	11.2	13.0	10.6
Chloride (mg/L)	3.7	2.8	3.7	4.1	3.8	3.6
Sulfate as SO_4 (mg/L)	2.6	2.4	2.4	2.5	2.3	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.7	8.5	7.1	8.1	9.3	8.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	56.0	24.7
Total Nitrogen ($\mu\text{g}/\text{L}$)	192.5	174.3	194.6	175.1	190.6	185.4
Dissolved Organic Carbon (NPOC mg/L)	4.3	4.3	4.5	4.5	4.3	4.4
Calcium (mg/L)	3.3	3.2	3.2	3.6	3.9	3.4
Sodium (mg/L)	2.8	2.4	2.9	3.2	3.4	3.0

Fish Creek Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Fish Creek Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/17/2022					Average
	6/14/2022	7/13/2022	8/10/2022	9/21/2022		
Laboratory pH	6.8	7.3	7.0	7.1	7.2	7.1
Sp. Conductance (µS/cm@25 C)	28.0	25.9	25.0	27.5	30.5	27.4
Apparent Color (mg/L Pt-Co)	40.7	47.2	43.9	37.5	43.9	42.7
CDOM (µg/L QSE)	124.9	112.2	126.5	130.9	131.1	125.1
Chlorophyll-a (µg/L)	1.3	3.0	2.4	4.2	4.8	3.1
Transparency (m)	3.6	3.1	3.6	3.7	4.8	3.7
Alkalinity (mg/L as CaCO ₃)	8.6	8.5	8.0	9.0	10.8	9.0
Chloride (mg/L)	1.3	1.1	1.1	1.1	1.2	1.1
Sulfate as SO ₄ (mg/L)	2.5	2.3	2.2	2.3	2.2	2.3
Total Phosphorus (µg/L as P)	10.1	7.6	5.4	7.2	9.6	8.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	185.1	180.0	202.9	197.7	179.4	189.0
Dissolved Organic Carbon (NPOC mg/L)	4.3	4.6	4.8	4.9	4.7	4.7
Calcium (mg/L)	2.9	2.9	2.9	3.1	3.3	3.0
Sodium (mg/L)	1.3	1.3	1.3	1.4	1.5	1.4

Fish Creek Pond West

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Fish Creek Pond West during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/17/2022	6/14/2022	7/13/2022	8/10/2022	9/21/2022	Average
Laboratory pH	6.9	7.1	6.9	7.1	6.7	7.0
Sp. Conductance (µS/cm@25 C)	30.1	28.0	26.1	29.9	32.8	29.4
Apparent Color (mg/L Pt-Co)	43.9	50.4	47.2	40.7	43.9	45.2
CDOM (µg/L QSE)	115.9	131.5	142.3	129.5	137.2	131.2
Chlorophyll-a (µg/L)	4.0	3.4	3.4	4.2	5.0	4.0
Transparency (m)	2.3	2.9	3.1	4.0	3.8	3.2
Alkalinity (mg/L as CaCO ₃)	8.7	8.8	8.0	9.5	11.1	9.2
Chloride (mg/L)	1.9	1.4	1.4	1.6	1.8	1.6
Sulfate as SO ₄ (mg/L)	2.5	2.3	2.2	2.3	2.2	2.3
Total Phosphorus (µg/L as P)	8.9	8.1	7.6	7.2	10.9	8.5
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	196.4	166.1	213.3	216.8	170.9	192.7
Dissolved Organic Carbon (NPOC mg/L)	4.5	4.5	4.9	5.0	4.8	4.7
Calcium (mg/L)	3.0	2.9	2.8	3.1	3.4	3.0
Sodium (mg/L)	1.7	1.4	1.4	1.7	2.0	1.6

Floodwood Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Floodwood Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/15/2022	7/11/2022	8/11/2022	9/5/2022	Average
Laboratory pH	7.2	7.1	7.2	7.2	6.9	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	23.8	23.6	22.9	24.4	25.0	23.9
Apparent Color (mg/L Pt-Co)	37.5	47.2	50.4	47.2	40.7	44.6
CDOM ($\mu\text{g}/\text{L QSE}$)	124.1	125.2	138.4	127.7	154.7	134.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.9	3.5	2.2	3.8	3.8	3.3
Transparency (m)	3.2	2.4	2.5	2.5	3.3	2.7
Alkalinity (mg/L as CaCO_3)	7.2	8.1	7.6	8.3	9.1	8.1
Chloride (mg/L)	0.5	0.7	BDL	BDL	BDL	0.5
Sulfate as SO_4 (mg/L)	2.4	2.5	2.3	2.2	2.4	2.4
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	7.0	9.6	5.6	7.3	7.0	7.3
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	169.0	179.8	210.1	187.9	244.1	198.2
Dissolved Organic Carbon (NPOC mg/L)	4.7	5.0	5.3	5.2	4.9	5.0
Calcium (mg/L)	2.7	2.9	2.7	2.9	2.8	2.8
Sodium (mg/L)	0.9	0.9	0.9	0.9	0.9	0.9

Follensby Clear Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Fish Creek Pond West during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/16/2022	6/14/2022	7/8/2022	8/11/2022	9/16/2022	Average
Laboratory pH	7.2	7.4	7.2	7.7	7.5	7.4
Sp. Conductance (µS/cm@25 C)	75.8	76.2	75.4	76.4	78.1	76.4
Apparent Color (mg/L Pt-Co)	5.3	15.0	5.3	8.6	21.4	11.1
CDOM (µg/L QSE)	52.8	6.0	31.8	32.7	11.9	27.0
Chlorophyll-a (µg/L)	1.2	1.0	0.6	1.6	2.2	1.3
Transparency (m)	6.5	6.1	6.9	6.5	6.4	6.5
Alkalinity (mg/L as CaCO ₃)	14.9	15.5	14.4	15.7	16.5	15.4
Chloride (mg/L)	11.2	11.3	11.4	11.0	11.6	11.3
Sulfate as SO ₄ (mg/L)	3.4	3.4	3.5	3.4	3.4	3.4
Total Phosphorus (µg/L as P)	6.9	7.1	5.2	6.9	5.4	6.3
Nitrate-Nitrite (µg/L as N)	BDL	BDL	8.3	BDL	BDL	2.2
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	174.2	143.9	170.3	140.1	157.4	157.2
Dissolved Organic Carbon (NPOC mg/L)	2.0	2.2	2.2	2.4	2.3	2.2
Calcium (mg/L)	4.7	4.9	5.0	5.2	4.7	4.9
Sodium (mg/L)	7.6	7.9	8.1	8.2	7.5	7.9

Franklin Falls Reservoir

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Franklin Falls Reservoir during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/28/2022	6/24/2022	7/22/2022	8/19/2022	9/11/2022	Average
Laboratory pH	7.2	7.3	7.2	7.2	7.8	7.3
Sp. Conductance (µS/cm@25 C)	84.0	91.3	92.6	102.5	103.6	94.8
Apparent Color (mg/L Pt-Co)	63.2	53.6	76.1	47.2	56.8	59.4
CDOM (µg/L QSE)	200.9	206.8	221.6	188.5	199.0	203.4
Chlorophyll-a (µg/L)	4.8	5.6	5.2	1.9	5.5	4.6
Transparency (m)	1.3	1.2	2.3	1.5	1.6	1.6
Alkalinity (mg/L as CaCO ₃)	16.2	16.9	16.0	20.6	20.9	18.1
Chloride (mg/L)	12.3	14.6	14.4	15.5	16.3	14.6
Sulfate as SO ₄ (mg/L)	3.6	3.7	3.4	3.7	3.9	3.7
Total Phosphorus (µg/L as P)	19.7	20.7	18.6	17.8	12.9	17.9
Nitrate-Nitrite (µg/L as N)	72.3	74.6	52.4	48.4	56.6	60.9
Ammonia (µg/L as NH ₃ -N)	25.6	30.7	30.1	32.2	BDL	26.1
Total Nitrogen (µg/L)	337.2	357.3	344.3	296.0	321.5	331.3
Dissolved Organic Carbon (NPOC mg/L)	6.3	6.2	7.0	6.0	6.5	6.4
Calcium (mg/L)	6.2	7.0	6.9	7.4	7.0	6.9
Sodium (mg/L)	8.4	9.2	9.1	9.0	9.4	9.0

Friends Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Low
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Water quality values for Friends Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	8/1/2022	8/13/2022	Average
Laboratory pH	7.6	7.6	7.6	7.6
Sp. Conductance (µS/cm@25 C)	74.7	74.0	76.5	75.1
Apparent Color (mg/L Pt-Co)	15.0	18.2	15.0	16.1
CDOM (µg/L QSE)	72.6	45.5	77.3	65.1
Chlorophyll-a (µg/L)	3.0	1.8	1.5	2.1
Transparency (m)	3.3	5.0	4.1	4.1
Alkalinity (mg/L as CaCO ₃)	23.1	26.1	27.1	25.4
Chloride (mg/L)	6.8	5.9	6.1	6.3
Sulfate as SO ₄ (mg/L)	3.3	3.1	3.4	3.3
Total Phosphorus (µg/L as P)	21.3	8.2	14.7	14.7
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	24.0	BDL	16.6
Total Nitrogen (µg/L)	230.4	352.1	207.5	263.3
Dissolved Organic Carbon (NPOC mg/L)	4.1	4.4	4.6	4.4
Calcium (mg/L)	8.1	8.5	8.5	8.4
Sodium (mg/L)	4.1	4.2	4.1	4.1

Garnet Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values for Garnet Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/16/2022	8/15/2022	Average
Laboratory pH	7.3	7.2	7.4	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	29.3	28.0	27.7	28.3
Apparent Color (mg/L Pt-Co)	21.4	27.9	21.4	23.6
CDOM ($\mu\text{g}/\text{L QSE}$)	110.8	108.2	100.3	106.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	1.9	1.7	1.6
Transparency (m)	4.0	3.6	3.8	3.8
Alkalinity (mg/L as CaCO_3)	12.9	10.1	12.4	11.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	1.9	1.8	2.0	1.9
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	15.3	15.3	14.7	15.1
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	1.4
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	21.5	19.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	312.0	393.6	368.2	357.9
Dissolved Organic Carbon (NPOC mg/L)	5.1	5.4	5.3	5.3
Calcium (mg/L)	3.4	3.2	3.4	3.3
Sodium (mg/L)	0.8	0.8	0.8	0.8

Gordon Pond

Trophic State Oligotrophic	Acidity Acidic - threatened	Acid Neutralizing Capacity Low	Road Salt Influence Low
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Water quality values for Gordon Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/8/2022	7/8/2022	8/8/2022	9/9/2022	9/28/2022	Average
Laboratory pH	6.1	6.0	6.0	5.9	5.7	5.9
Sp. Conductance (µS/cm@25 C)	11.4	12.1	11.9	12.2	11.7	11.8
Apparent Color (mg/L Pt-Co)	66.5	60.0	40.7	47.2	53.6	53.6
CDOM (µg/L QSE)	177.2	170.2	149.0	159.6	171.6	165.5
Chlorophyll-a (µg/L)	3.9	2.7	2.6	3.7	5.7	3.7
Transparency (m)	1.8	1.7	1.9	2	1.9	1.9
Alkalinity (mg/L as CaCO ₃)	BDL	BDL	BDL	BDL	BDL	BDL
Chloride (mg/L)	1.9	1.1	1.3	1.1	1.2	1.3
Sulfate as SO ₄ (mg/L)	0.6	0.5	0.6	0.6	0.6	0.6
Total Phosphorus (µg/L as P)	16.6	11.2	10.0	8.7	9.5	11.2
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	29.3	24.8	BDL	22.7	21.8
Total Nitrogen (µg/L)	318.6	406.0	389.8	321.0	355.3	358.1
Dissolved Organic Carbon (NPOC mg/L)	6.7	6.8	6.9	6.2	6.6	6.6
Calcium (mg/L)	0.8	0.7	1.1	0.8	0.8	0.8
Sodium (mg/L)	0.6	0.6	0.7	0.7	0.7	0.7

Green Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Green Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/20/2022	8/15/2022	Average
Laboratory pH	6.8	6.9	7.3	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	35.7	35.3	37.6	36.2
Apparent Color (mg/L Pt-Co)	21.4	15.0	8.6	15.0
CDOM ($\mu\text{g}/\text{L QSE}$)	67.0	75.6	78.1	73.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.4	0.6	1.1	0.7
Transparency (m)	7.7	6.8	5.3	6.6
Alkalinity (mg/L as CaCO_3)	4.4	4.6	7.0	5.3
Chloride (mg/L)	5.7	4.9	5.3	5.3
Sulfate as SO_4 (mg/L)	2.6	2.4	2.8	2.6
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	BDL	BDL	3.1	2.6
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	125.0	89.2	49.9	88.0
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	275.1	238.3	211.2	241.5
Dissolved Organic Carbon (NPOC mg/L)	2.5	2.7	2.8	2.6
Calcium (mg/L)	2.4	2.3	2.7	2.4
Sodium (mg/L)	3.2	3.1	3.3	3.2

Green Pond

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Green Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/16/2022	6/14/2022	7/8/2022	8/11/2022	9/16/2022	Average
Laboratory pH	6.8	7.4	7.3	8.7	7.7	7.5
Sp. Conductance (µS/cm@25 C)	41.6	40.9	40.1	39.8	40.7	40.6
Apparent Color (mg/L Pt-Co)	5.3	5.3	18.2	15.0	11.8	11.1
CDOM (µg/L QSE)	26.3	4.2	0.6	11.3	41.5	16.8
Chlorophyll-a (µg/L)	0.6	0.7	0.8	2.3	1.3	1.1
Transparency (m)	7.8	7.6	5.5	3.8	5.5	6.0
Alkalinity (mg/L as CaCO ₃)	11.8	11.9	10.7	11.9	12.5	11.8
Chloride (mg/L)	3.1	2.9	2.1	3.0	2.8	2.8
Sulfate as SO ₄ (mg/L)	3.2	3.1	3.2	3.1	3.1	3.2
Total Phosphorus (µg/L as P)	3.4	7.2	3.3	5.3	4.0	4.6
Nitrate-Nitrite (µg/L as N)	232.0	154.0	121.0	22.7	BDL	105.9
Ammonia (µg/L as NH ₃ -N)	20.9	21.3	29.6	BDL	BDL	19.3
Total Nitrogen (µg/L)	350.1	269.7	304.1	206.8	181.3	262.4
Dissolved Organic Carbon (NPOC mg/L)	1.9	2.1	2.2	2.4	2.4	2.2
Calcium (mg/L)	3.5	3.6	3.7	3.8	3.7	3.7
Sodium (mg/L)	2.3	2.4	2.5	2.5	2.4	2.4

Gull Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Gull Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/22/2022	8/15/2022	Average
Laboratory pH	7.0	7.0	7.3	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	27.1	27.0	27.3	27.1
Apparent Color (mg/L Pt-Co)	15.0	18.2	18.2	17.1
CDOM ($\mu\text{g}/\text{L}$ QSE)	48.4	53.3	41.6	47.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.8	0.8	1.0	0.9
Transparency (m)	5.3	5.6	5.9	5.6
Alkalinity (mg/L as CaCO_3)	7.0	5.7	7.2	6.6
Chloride (mg/L)	2.5	2.0	1.9	2.1
Sulfate as SO_4 (mg/L)	2.6	2.5	2.5	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.3	3.7	3.3	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	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	199.7	194.4	160.0	184.7
Dissolved Organic Carbon (NPOC mg/L)	3.4	3.7	3.5	3.5
Calcium (mg/L)	2.5	2.4	2.6	2.5
Sodium (mg/L)	1.5	1.6	1.5	1.6

Hidden Lake

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Hidden Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/31/2022	7/1/2022	7/30/2022	8/19/2022	9/27/2022	Average
Laboratory pH	7.4	7.6	7.6	8.0	7.5	7.6
Sp. Conductance (µS/cm@25 C)	91.5	103.0	104.8	111.7	123.6	106.9
Apparent Color (mg/L Pt-Co)	11.8	24.6	15.0	15.0	8.6	15.0
CDOM (µg/L QSE)	32.1	41.5	50.8	20.4	43.7	37.7
Chlorophyll-a (µg/L)	1.0	1.3	1.8	1.4	0.9	1.3
Transparency (m)	5.5	2.5	3.6	N/A	7.1	4.7
Alkalinity (mg/L as CaCO ₃)	22.9	24.0	26.1	27.3	30.8	26.2
Chloride (mg/L)	10.5	12.9	13.7	14.5	16.9	13.7
Sulfate as SO ₄ (mg/L)	4.6	4.6	4.5	4.5	4.3	4.5
Total Phosphorus (µg/L as P)	11.2	15.1	6.4	5.5	3.7	8.4
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	59.0	65.6	BDL	BDL	21.7	34.9
Total Nitrogen (µg/L)	172.4	339.9	140.8	166.0	142.5	192.3
Dissolved Organic Carbon (NPOC mg/L)	2.3	3.7	2.5	2.4	2.7	2.7
Calcium (mg/L)	7.6	7.9	8.3	8.3	9.1	8.2
Sodium (mg/L)	8.9	10.5	10.2	10.4	11.8	10.4

Highlands Forge Lake

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Highlands Forge Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/22/2022	6/24/2022	7/21/2022	8/13/2022	9/3/2022	Average
Laboratory pH	7.7	8.0	8.0	8.0	8.1	7.9
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	168.5	171.8	173.5	178.1	175.1	173.4
Apparent Color (mg/L Pt-Co)	11.8	15.0	21.4	18.2	15.0	16.3
CDOM ($\mu\text{g}/\text{L}$ QSE)	102.2	93.8	77.7	68.7	107.1	89.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.5	0.9	0.8	1.6	1.3	1.0
Transparency (m)	8.4	7.6	5.7	6.6	6.0	6.8
Alkalinity (mg/L as CaCO_3)	52.1	57.4	55.1	59.6	58.8	56.6
Chloride (mg/L)	17.9	18.8	18.9	20.0	19.9	19.1
Sulfate as SO_4 (mg/L)	3.6	3.5	3.3	3.7	3.4	3.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.3	6.5	5.4	5.9	6.0	6.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	20.4	BDL	BDL	BDL	BDL	14.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	257.2	283.9	260.4	286.4	265.8	270.7
Dissolved Organic Carbon (NPOC mg/L)	4.7	5.1	5.1	5.4	5.0	5.1
Calcium (mg/L)	17.5	17.3	17.0	17.9	16.8	17.3
Sodium (mg/L)	13.4	13.3	13.6	13.8	13.7	13.6

Hoel Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Hoel Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/19/2022	8/14/2022	Average
Laboratory pH	6.8	7.0	7.1	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	17.7	17.7	18.1	17.8
Apparent Color (mg/L Pt-Co)	5.3	15.0	11.8	10.7
CDOM ($\mu\text{g}/\text{L}$ QSE)	56.7	65.3	54.0	58.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.5	1.8	1.6	1.6
Transparency (m)	4.4	5.1	7.3	5.6
Alkalinity (mg/L as CaCO_3)	5.5	4.5	5.6	5.2
Chloride (mg/L)	0.5	BDL	BDL	0.4
Sulfate as SO_4 (mg/L)	2.2	2.0	2.2	2.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.7	6.7	5.8	6.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	8.2	BDL	BDL	3.7
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	217.4	255.0	186.5	219.6
Dissolved Organic Carbon (NPOC mg/L)	3.8	4.0	4.2	4.0
Calcium (mg/L)	2.0	1.9	2.1	2.0
Sodium (mg/L)	0.7	0.7	0.7	0.7

Holcomb Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values for Holcomb Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/25/2022	6/25/2022	7/17/2022	8/12/2022	9/11/2022	Average
Laboratory pH	6.9	7.2	7.0	7.5	7.5	7.2
Sp. Conductance (µS/cm@25 C)	27.5	30.1	36.2	36.4	34.6	33.0
Apparent Color (mg/L Pt-Co)	50.4	27.9	31.1	47.2	50.4	41.4
CDOM (µg/L QSE)	99.1	89.9	100.2	127.7	118.4	107.1
Chlorophyll-a (µg/L)	4.1	4.2	3.9	5.5	5.7	4.7
Transparency (m)	1.2	1.3	1.2	1.2	1.0	1.2
Alkalinity (mg/L as CaCO ₃)	9.7	11.9	12.4	14.4	13.8	12.4
Chloride (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	3.3	3.5	3.4	3.3	3.4	3.4
Total Phosphorus (µg/L as P)	12.5	9.6	13.1	15.6	13.7	12.9
Nitrate-Nitrite (µg/L as N)	38.4	BDL	BDL	BDL	BDL	8.9
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	235.4	231.3	326.7	264.7	259.7	263.6
Dissolved Organic Carbon (NPOC mg/L)	3.4	3.6	4.2	5.0	5.1	4.3
Calcium (mg/L)	3.3	3.8	4.4	4.5	4.0	4.0
Sodium (mg/L)	1.0	1.1	1.2	1.2	1.2	1.1

Horseshoe Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Horseshoe Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/16/2022	6/14/2022	7/8/2022	8/11/2022	9/16/2022	Average
Laboratory pH	6.7	6.8	6.7	6.8	6.8	6.8
Sp. Conductance (µS/cm@25 C)	14.3	14.3	13.4	13.8	15.3	14.2
Apparent Color (mg/L Pt-Co)	15.0	15.0	11.8	11.8	34.3	17.6
CDOM (µg/L QSE)	25.0	28.0	31.8	18.5	39.7	28.6
Chlorophyll-a (µg/L)	3.6	1.3	1.6	1.4	3.0	2.2
Transparency (m)	4.3	6.0	5.1	5.7	4.7	5.1
Alkalinity (mg/L as CaCO ₃)	3.6	3.7	3.1	3.5	5.0	3.8
Chloride (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	2.4	2.3	2.2	2.1	2.2	2.2
Total Phosphorus (µg/L as P)	9.3	6.9	4.2	6.0	7.6	6.8
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	289.0	223.3	267.2	253.9	245.7	255.8
Dissolved Organic Carbon (NPOC mg/L)	3.0	3.3	3.2	3.1	3.1	3.1
Calcium (mg/L)	1.3	1.4	1.3	1.5	1.6	1.4
Sodium (mg/L)	0.5	0.6	0.6	0.6	0.6	0.6

Indian Lake- Franklin County

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values and historical trends for Indian Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/20/2022	8/21/2022	Average
Laboratory pH	7.2	7.2	7.5	7.3
Sp. Conductance (µS/cm@25 C)	26.3	27.3	30.6	28.1
Apparent Color (mg/L Pt-Co)	47.2	40.7	27.9	38.6
CDOM (µg/L QSE)	138.1	158.5	130.3	142.3
Chlorophyll-a (µg/L)	2.5	1.5	2.1	2.1
Transparency (m)	2.3	2.3	3.9	2.8
Alkalinity (mg/L as CaCO ₃)	10.0	8.6	11.3	9.9
Chloride (mg/L)	0.5	BDL	0.5	0.5
Sulfate as SO ₄ (mg/L)	2.1	2.1	2.1	2.1
Total Phosphorus (µg/L as P)	12.0	8.7	12.4	11.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	276.6	351.0	278.5	302.0
Dissolved Organic Carbon (NPOC mg/L)	5.2	5.6	5.5	5.4
Calcium (mg/L)	2.7	2.7	3.0	2.8
Sodium (mg/L)	0.9	0.9	1.0	0.9

Irving Pond

Trophic State Mesotrophic	Acidity Acidic (acceptable)	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Irving Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/20/2022	8/15/2022	Average
Laboratory pH	6.2	6.3	6.6	6.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	11.2	10.8	13.2	11.7
Apparent Color (mg/L Pt-Co)	31.1	21.4	24.6	25.7
CDOM ($\mu\text{g}/\text{L QSE}$)	117.6	118.7	107.1	114.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.5	0.5	0.3	0.4
Transparency (m)	4.2	4.6	4.9	4.6
Alkalinity (mg/L as CaCO_3)	BDL	BDL	3.5	2.3
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.0	1.8	2.0	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.4	6.4	7.8	6.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	5.5	BDL	BDL	3.3
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	20.1	BDL	BDL	16.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	185.6	181.6	183.2	183.5
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.6	3.9	3.7
Calcium (mg/L)	0.8	0.7	0.1	0.5
Sodium (mg/L)	0.7	0.6	0.0	0.4

Jabe Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Jabe Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/18/2022	6/13/2022	7/12/2022	8/8/2022	9/22/2022	Average
Laboratory pH	6.8	7.1	7.6	7.5	7.0	7.2
Sp. Conductance (µS/cm@25 C)	25.7	27.6	28.1	27.5	26.0	27.0
Apparent Color (mg/L Pt-Co)	18.2	17.9	15.0	11.8	11.8	14.9
CDOM (µg/L QSE)	55.6	69.8	30.5	31.5	29.8	43.4
Chlorophyll-a (µg/L)	3.4	1.0	1.6	1.1	2.9	2.0
Transparency (m)	3.9	5.3	5.2	5.1	4.4	4.8
Alkalinity (mg/L as CaCO ₃)	9.2	9.5	9.5	10.6	10.4	9.8
Chloride (mg/L)	0.6	0.8	0.6	BDL	0.6	0.6
Sulfate as SO ₄ (mg/L)	2.7	2.6	2.8	2.7	2.8	2.7
Total Phosphorus (µg/L as P)	5.1	5.2	3.9	5.1	7.3	5.3
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	216.5	304.6	241.8	222.9	207.3	238.6
Dissolved Organic Carbon (NPOC mg/L)	3.8	3.8	3.5	4.0	3.7	3.8
Calcium (mg/L)	3.2	3.2	3.2	3.3	3.2	3.2
Sodium (mg/L)	0.6	0.6	0.6	0.6	0.6	0.6

Jordan Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Jordan Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/19/2022	8/19/2022	Average
Laboratory pH	6.6	6.8	6.8	6.7
Sp. Conductance (µS/cm@25 C)	23.2	23.7	25.2	24.0
Apparent Color (mg/L Pt-Co)	121.1	121.1	124.4	122.2
CDOM (µg/L QSE)	236.4	257.0	263.8	252.4
Chlorophyll-a (µg/L)	2.3	14.4	4.6	7.1
Transparency (m)	1.9	1.9	1.4	1.7
Alkalinity (mg/L as CaCO ₃)	4.6	5.6	6.5	5.6
Chloride (mg/L)	BDL	0.7	BDL	0.5
Sulfate as SO ₄ (mg/L)	2.9	2.8	2.8	2.8
Total Phosphorus (µg/L as P)	15.6	14.6	13.8	14.7
Nitrate-Nitrite (µg/L as N)	24.9	BDL	BDL	10.4
Ammonia (µg/L as NH ₃ -N)	35.4	BDL	26.8	26.8
Total Nitrogen (µg/L)	339.9	359.8	340.3	346.7
Dissolved Organic Carbon (NPOC mg/L)	9.8	11.0	12.9	11.2
Calcium (mg/L)	2.6	3.0	3.2	2.9
Sodium (mg/L)	0.9	1.1	1.0	1.0

Kiwassa Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Kiwassa Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/19/2022	8/12/2022	Average
Laboratory pH	7.3	7.4	7.4	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	70.6	69.2	70.4	70.1
Apparent Color (mg/L Pt-Co)	18.2	11.8	27.9	19.3
CDOM ($\mu\text{g}/\text{L QSE}$)	102.4	58.5	65.2	75.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	0.4	1.3	1.0
Transparency (m)	5.8	5.1	6.5	5.8
Alkalinity (mg/L as CaCO_3)	15.3	12.7	15.6	14.5
Chloride (mg/L)	8.9	9.1	9.2	9.1
Sulfate as SO_4 (mg/L)	3.9	3.8	3.9	3.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.8	4.4	4.2	4.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	274.5	272.3	211.5	252.8
Dissolved Organic Carbon (NPOC mg/L)	4.1	4.1	4.2	4.1
Calcium (mg/L)	5.8	5.4	5.6	5.6
Sodium (mg/L)	6.1	5.9	6.2	6.1

Lake Adirondack

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Lake Adirondack during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/26/2022	7/17/2022	8/20/2022	Average
Laboratory pH	7.7	7.6	8.0	7.8
Sp. Conductance (µS/cm@25 C)	110.5	113.2	111.0	111.6
Apparent Color (mg/L Pt-Co)	21.4	31.1	40.7	31.1
CDOM (µg/L QSE)	113.5	134.4	118.4	122.1
Chlorophyll-a (µg/L)	1.7	3.2	3.9	2.9
Transparency (m)	2.5	5.6	2.2	3.4
Alkalinity (mg/L as CaCO ₃)	32.9	32.2	34.8	33.3
Chloride (mg/L)	12.0	12.6	12.8	12.5
Sulfate as SO ₄ (mg/L)	2.5	2.3	2.3	2.3
Total Phosphorus (µg/L as P)	13.0	12.4	12.4	12.6
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	20.0	BDL	BDL	13.6
Total Nitrogen (µg/L)	368.1	328.2	385.3	360.5
Dissolved Organic Carbon (NPOC mg/L)	5.9	5.5	5.9	5.7
Calcium (mg/L)	13.0	14.0	12.8	13.3
Sodium (mg/L)	8.1	8.5	8.2	8.2

Lake Alice

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Lake Alice during the 2022 sampling season. BDL=Below Detection Limit. VOB=Visible on Bottom.

Water Quality Indicator	5/25/2022	6/13/2022	7/12/2022	8/9/2022	9/7/2022	Average
Laboratory pH	9.4	9.4	9.5	8.1	8.0	8.9
Sp. Conductance (µS/cm@25 C)	220.0	195.7	173.3	237.0	268.0	218.8
Apparent Color (mg/L Pt-Co)	40.7	57.4	111.5	53.6	43.9	61.4
CDOM (µg/L QSE)	234.7	265.8	313.2	290.6	343.6	289.6
Chlorophyll-a (µg/L)	1.3	1.2	2.0	5.0	3.6	2.6
Transparency (m)	VOB	VOB	VOB	1.5	VOB	1.5
Alkalinity (mg/L as CaCO ₃)	81.2	78.5	65.5	90.2	113.0	85.7
Chloride (mg/L)	21.2	18.1	15.9	20.8	24.9	20.2
Sulfate as SO ₄ (mg/L)	5.5	3.5	3.3	3.1	4.4	4.0
Total Phosphorus (µg/L as P)	16.3	14.0	14.8	20.9	19.1	17.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	24.5	63.8	39.7	32.5
Total Nitrogen (µg/L)	578.5	552.4	685.0	853.3	838.9	701.6
Dissolved Organic Carbon (NPOC mg/L)	8.8	10.3	12.3	12.3	10.7	10.9
Calcium (mg/L)	21.3	19.7	17.6	23.7	25.4	21.5
Sodium (mg/L)	13.2	12.3	11.7	14.3	14.9	13.3

Lake Alice-2

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Lake Alice-2 during the 2022 sampling season. BDL=Below Detection Limit. VOB=Visible on Bottom.

Water Quality Indicator	5/25/2022	6/13/2022	7/12/2022	8/9/2022	9/7/2022	Average
Laboratory pH	7.6	8.6	7.7	7.3	7.6	7.8
Sp. Conductance (µS/cm@25 C)	250.0	210.0	230.0	242.0	251.0	236.6
Apparent Color (mg/L Pt-Co)	79.3	114.9	79.3	137.2	72.9	96.7
CDOM (µg/L QSE)	377.7	331.9	436.7	416.7	312.0	375.0
Chlorophyll-a (µg/L)	2.3	1.4	5.2	25.1	20.3	10.9
Transparency (m)	VOB	1.4	VOB	1.1	1.2	1.2
Alkalinity (mg/L as CaCO ₃)	95.5	75.0	90.0	97.9	108.0	93.3
Chloride (mg/L)	21.7	19.0	17.3	18.5	23.0	19.9
Sulfate as SO ₄ (mg/L)	5.1	3.6	2.5	1.7	2.9	3.1
Total Phosphorus (µg/L as P)	41.7	24.7	28.1	57.8	36.1	37.7
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	26.2	31.3	23.5	BDL	23.1
Total Nitrogen (µg/L)	765.2	648.1	835.9	888.4	858.2	799.2
Dissolved Organic Carbon (NPOC mg/L)	12.0	11.4	13.6	13.2	11.8	12.4
Calcium (mg/L)	25.1	20.8	24.5	26.2	23.5	24.0
Sodium (mg/L)	15.1	12.8	13.5	14.4	14.2	14.0

Lake Clear

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lake Clear during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/22/2022	7/17/2022	8/14/2022	Average
Laboratory pH	7.4	7.0	7.3	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	119.4	117.9	120.3	119.2
Apparent Color (mg/L Pt-Co)	92.2	15.0	15.0	40.7
CDOM ($\mu\text{g}/\text{L QSE}$)	111.5	76.3	84.5	90.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.6	0.6	1.2	1.1
Transparency (m)	4.3	5.7	7.0	5.7
Alkalinity (mg/L as CaCO_3)	16.8	14.2	16.9	16.0
Chloride (mg/L)	24.3	23.1	23.6	23.7
Sulfate as SO_4 (mg/L)	3.1	3.1	3.2	3.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.6	4.3	5.0	5.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	12.0	BDL	BDL	4.9
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	225.2	281.1	215.2	240.5
Dissolved Organic Carbon (NPOC mg/L)	4.2	4.7	4.7	4.5
Calcium (mg/L)	6.4	6.0	6.4	6.3
Sodium (mg/L)	14.7	14.1	14.6	14.5

Lake Colby

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
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Water quality values for Lake Colby during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/23/2022	8/20/2022	Average
Laboratory pH	7.9	7.7	8.4	8.0
Sp. Conductance (µS/cm@25 C)	266.0	283.0	281.0	276.7
Apparent Color (mg/L Pt-Co)	27.9	21.4	18.2	22.5
CDOM (µg/L QSE)	109.6	96.7	92.8	99.7
Chlorophyll-a (µg/L)	4.6	3.2	2.7	3.5
Transparency (m)	3.6	3.1	3.8	3.5
Alkalinity (mg/L as CaCO ₃)	34.1	28.9	34.5	32.5
Chloride (mg/L)	61.0	57.7	58.2	59.0
Sulfate as SO ₄ (mg/L)	5.5	5.2	5.1	5.3
Total Phosphorus (µg/L as P)	13.2	10.8	8.9	11.0
Nitrate-Nitrite (µg/L as N)	11.5	BDL	BDL	4.0
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	375.0	369.7	306.5	350.4
Dissolved Organic Carbon (NPOC mg/L)	5.4	5.8	5.9	5.7
Calcium (mg/L)	15.9	15.4	16.0	15.8
Sodium (mg/L)	34.7	33.3	34.4	34.1

Lake Everest

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lake Everest during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/16/2022	7/11/2022	8/11/2022	Average
Laboratory pH	7.1	7.5	7.5	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	100.1	120.2	114.6	111.6
Apparent Color (mg/L Pt-Co)	34.3	31.1	37.5	34.3
CDOM ($\mu\text{g}/\text{L QSE}$)	137.8	141.7	176.3	151.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.6	0.6	1.4	0.9
Transparency (m)	2.8	2.8	3.3	3.0
Alkalinity (mg/L as CaCO_3)	18.9	20.9	24.5	21.4
Chloride (mg/L)	15.6	17.9	16.7	16.7
Sulfate as SO_4 (mg/L)	4.5	4.8	4.3	4.6
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	11.4	12.7	17.3	13.8
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	273.0	182.0	167.0	207.3
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	38.9	29.5	26.9	31.8
Total Nitrogen ($\mu\text{g}/\text{L}$)	380.8	418.1	331.8	376.9
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.9	4.8	4.1
Calcium (mg/L)	8.0	9.5	9.4	8.9
Sodium (mg/L)	9.6	11.6	10.9	10.7

Lake Flower

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lake Flower during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/24/2022	7/21/2022	8/21/2022	9/7/2022	Average
Laboratory pH	6.8	7.1	7.2	7.1	7.2	7.1
Sp. Conductance (µS/cm@25 C)	73.5	70.5	73.5	71.7	76.3	73.1
Apparent Color (mg/L Pt-Co)	43.9	40.7	40.7	31.1	40.7	39.4
CDOM (µg/L QSE)	158.6	144.5	148.9	142.8	149.7	148.9
Chlorophyll-a (µg/L)	6.2	1.2	2.2	2.2	1.6	2.7
Transparency (m)	1.9	3.0	2.3	2.6	2.7	2.5
Alkalinity (mg/L as CaCO ₃)	13.8	13.0	11.9	14.2	15.8	13.7
Chloride (mg/L)	10.8	11.0	11.0	10.6	11.5	11.0
Sulfate as SO ₄ (mg/L)	3.2	3.2	3.0	3.1	3.2	3.1
Total Phosphorus (µg/L as P)	17.7	9.7	10.9	8.6	7.0	10.8
Nitrate-Nitrite (µg/L as N)	5.0	8.5	BDL	BDL	BDL	3.8
Ammonia (µg/L as NH ₃ -N)	24.4	32.4	BDL	BDL	BDL	20.3
Total Nitrogen (µg/L)	270.1	277.8	283.2	253.8	234.8	263.9
Dissolved Organic Carbon (NPOC mg/L)	5.2	5.1	5.8	5.3	5.3	5.4
Calcium (mg/L)	5.6	5.0	N/A	5.2	5.4	5.3
Sodium (mg/L)	6.9	6.6	N/A	6.5	6.5	6.6

Lake of the Pines

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Lake of the Pines during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	7/25/2022	8/21/2022	Average
Laboratory pH	7.0	7.6	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	35.3	37.4	36.4
Apparent Color (mg/L Pt-Co)	40.7	43.9	42.3
CDOM ($\mu\text{g}/\text{L QSE}$)	128.8	137.4	133.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.2	3.0	3.1
Transparency (m)	2.4	2.8	2.6
Alkalinity (mg/L as CaCO_3)	10.0	13.7	11.8
Chloride (mg/L)	1.5	1.8	1.7
Sulfate as SO_4 (mg/L)	2.4	2.6	2.5
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	10.5	7.6	9.1
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	7.8	BDL	3.9
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	198.4	230.8	214.6
Dissolved Organic Carbon (NPOC mg/L)	4.9	4.6	4.8
Calcium (mg/L)	4.0	3.9	4.0
Sodium (mg/L)	1.8	1.9	1.9

Lake Roxane

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Lake Roxane during the 2022 sampling season. VOB= Visible on Bottom.

Water Quality Indicator	5/25/2022	6/13/2022	7/12/2022	8/9/2022	9/7/2022	Average
Laboratory pH	7.4	7.6	8.2	7.9	7.9	7.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	177.2	165.4	219.0	239.0	217.0	203.5
Apparent Color (mg/L Pt-Co)	56.8	68.2	43.9	34.3	50.4	50.7
CDOM ($\mu\text{g}/\text{L QSE}$)	220.8	245.3	140.8	151.0	246.6	200.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	7.4	4.3	3.7	5.9	2.1	4.7
Transparency (m)	1.8	1.6	VOB	VOB	VOB	1.7
Alkalinity (mg/L as CaCO_3)	49.2	49.0	66.3	76.9	75.2	63.3
Chloride (mg/L)	23.8	20.4	28.6	28.2	23.2	24.8
Sulfate as SO_4 (mg/L)	3.4	2.9	4.6	4.5	5.7	4.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	32.1	36.9	18.0	23.9	17.8	25.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	124.0	152.0	133.0	78.6	139.0	125.3
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	47.9	69.2	32.5	101.0	76.2	65.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	464.3	561.5	381.6	424.0	548.3	475.9
Dissolved Organic Carbon (NPOC mg/L)	5.3	6.1	3.4	3.5	6.3	4.9
Calcium (mg/L)	15.8	14.8	21.4	24.1	21.8	19.6
Sodium (mg/L)	15.4	14.4	18.3	17.9	13.7	16.0

Lake Titus

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lake Titus during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	7/1/2022	7/20/2022	8/18/2022	Average
Laboratory pH	7.6	7.4	7.9	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	86.8	85.7	91.6	88.0
Apparent Color (mg/L Pt-Co)	34.3	34.3	24.6	31.1
CDOM ($\mu\text{g}/\text{L QSE}$)	123.5	116.7	118.6	119.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.0	1.8	7.9	4.2
Transparency (m)	2.9	4.0	3.5	3.4
Alkalinity (mg/L as CaCO_3)	16.5	15.2	18.8	16.8
Chloride (mg/L)	13.7	14.1	14.5	14.1
Sulfate as SO_4 (mg/L)	2.6	2.5	2.4	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.8	8.3	10.3	9.1
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 ($\mu\text{g}/\text{L}$)	244.8	220.7	233.6	233.0
Dissolved Organic Carbon (NPOC mg/L)	4.5	4.9	4.7	4.7
Calcium (mg/L)	5.4	5.5	5.9	5.6
Sodium (mg/L)	9.1	9.3	9.3	9.2

Lens Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Lens Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	7/1/2022	7/21/2022	8/26/2022	Average
Laboratory pH	6.4	6.5	6.7	6.5
Sp. Conductance (µS/cm@25 C)	13.8	13.9	13.9	13.9
Apparent Color (mg/L Pt-Co)	50.4	47.2	60.0	52.5
CDOM (µg/L QSE)	145.1	136.8	138.4	140.1
Chlorophyll-a (µg/L)	4.1	5.4	5.6	5.0
Transparency (m)	1.8	1.9	1.7	1.8
Alkalinity (mg/L as CaCO ₃)	BDL	BDL	4.3	2.9
Chloride (mg/L)	0.5	0.5	0.5	0.5
Sulfate as SO ₄ (mg/L)	1.8	1.7	1.6	1.7
Total Phosphorus (µg/L as P)	20.3	18.2	17.9	18.8
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	29.7	BDL	BDL	21.9
Total Nitrogen (µg/L)	400.9	429.2	413.8	414.6
Dissolved Organic Carbon (NPOC mg/L)	6.2	6.4	6.9	6.5
Calcium (mg/L)	1.1	1.2	1.3	1.2
Sodium (mg/L)	0.7	0.7	0.6	0.6

Little Green Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values for Little Green Pond during the 2022 sampling season. BDL=Below Detection Limit.

Water Quality Indicator	5/20/2022	6/24/2022	7/19/2022	8/14/2022	9/11/2022	Average
Laboratory pH	7.7	7.2	7.3	7.3	7.7	7.5
Sp. Conductance (µS/cm@25 C)	27.8	27.1	23.5	26.3	27.4	26.4
Apparent Color (mg/L Pt-Co)	8.6	21.4	5.3	11.8	8.6	11.1
CDOM (µg/L QSE)	30.1	6.2	15.8	3.6	4.7	12.1
Chlorophyll-a (µg/L)	1.6	1.1	1.0	1.2	0.4	1.1
Transparency (m)	5.5	6.4	7.6	6.9	5.9	6.4
Alkalinity (mg/L as CaCO ₃)	10.6	10.7	8.8	10.6	11.3	10.4
Chloride (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	2.8	2.7	2.7	2.7	2.7	2.7
Total Phosphorus (µg/L as P)	12.4	6.6	5.2	5.4	4.7	6.9
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	20.7	BDL	BDL	BDL	BDL	14.1
Total Nitrogen (µg/L)	182.1	194.2	258.2	171.2	203.1	201.8
Dissolved Organic Carbon (NPOC mg/L)	2.4	2.6	2.8	2.8	3.0	2.7
Calcium (mg/L)	3.0	2.8	2.7	2.6	2.7	2.8
Sodium (mg/L)	0.9	0.9	0.9	0.9	0.9	0.9

Little Jabe Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Little Jabe Pond during the 2022 sampling season. VOB=Visible on Bottom. BDL=Below Detection Limit.

Water Quality Indicator	5/18/2022	6/13/2022	7/12/2022	8/8/2022	9/22/2022	Average
Laboratory pH	6.7	6.5	6.8	6.9	6.4	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	15.6	16.4	16.2	16.5	13.8	15.7
Apparent Color (mg/L Pt-Co)	21.4	28.7	18.2	15.0	8.6	18.4
CDOM ($\mu\text{g}/\text{L QSE}$)	98.7	65.8	90.3	52.5	68.3	75.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.8	0.9	1.1	1.1	2.3	1.2
Transparency (m)	5.9	6.4	6.5	5.8	VOB	6.1
Alkalinity (mg/L as CaCO_3)	3.0	3.1	3.2	3.4	3.7	3.3
Chloride (mg/L)	0.7	1.2	0.7	0.5	0.6	0.7
Sulfate as SO_4 (mg/L)	2.8	2.7	3.0	3.1	3.2	3.0
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	5.6	6.5	6.5	5.2	9.3	6.6
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	22.9	BDL	BDL	BDL	17.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	230.9	294.2	278.1	309.1	275.4	277.5
Dissolved Organic Carbon (NPOC mg/L)	4.7	4.8	4.8	5.2	4.7	4.8
Calcium (mg/L)	1.6	1.6	1.6	1.6	1.6	1.6
Sodium (mg/L)	0.7	0.7	0.7	0.7	0.7	0.7

Little Long Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Moderate
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Water quality values for Little Long Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/21/2022	7/17/2022	8/12/2022	Average
Laboratory pH	7.3	6.9	6.9	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	81.2	84.0	85.6	83.6
Apparent Color (mg/L Pt-Co)	37.5	34.3	37.5	36.4
CDOM ($\mu\text{g}/\text{L QSE}$)	147.2	151.6	161.7	153.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.2	1.2	0.6	1.3
Transparency (m)	2.7	3.4	3.8	3.3
Alkalinity (mg/L as CaCO_3)	8.5	7.1	10.1	8.6
Chloride (mg/L)	16.1	17.4	17.6	17.0
Sulfate as SO_4 (mg/L)	2.6	2.5	2.5	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.7	5.2	4.2	5.4
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	24.9	19.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	259.4	229.8	246.0	245.1
Dissolved Organic Carbon (NPOC mg/L)	5.3	5.3	5.6	5.4
Calcium (mg/L)	4.5	4.8	4.7	4.7
Sodium (mg/L)	10.4	11.1	10.7	10.7

Little Polliwog Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Little Polliwog Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/16/2022	6/14/2022	7/8/2022	8/11/2022	9/16/2022	Average
Laboratory pH	6.7	6.6	6.5	6.7	7.0	6.7
Sp. Conductance (µS/cm@25 C)	16.7	17.4	17.1	18.6	17.8	17.5
Apparent Color (mg/L Pt-Co)	24.6	37.5	47.2	37.5	40.7	37.5
CDOM (µg/L QSE)	121.2	117.0	151.9	139.3	124.9	130.9
Chlorophyll-a (µg/L)	1.0	1.8	3.2	3.2	11.5	4.2
Transparency (m)	2.3	2.1	2.3	3.2	2.3	2.4
Alkalinity (mg/L as CaCO ₃)	4.0	4.1	3.7	5.0	5.7	4.5
Chloride (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	2.7	2.7	2.8	2.6	2.2	2.6
Total Phosphorus (µg/L as P)	6.5	12.8	8.6	11.6	16.0	11.1
Nitrate-Nitrite (µg/L as N)	BDL	BDL	6.4	BDL	BDL	2.0
Ammonia (µg/L as NH ₃ -N)	BDL	33.9	BDL	BDL	BDL	18.4
Total Nitrogen (µg/L)	308.8	341.4	331.1	313.5	307.2	320.4
Dissolved Organic Carbon (NPOC mg/L)	4.1	5.1	5.6	5.3	5.5	5.1
Calcium (mg/L)	1.5	1.7	1.8	2.1	1.9	1.8
Sodium (mg/L)	0.7	0.7	0.8	0.8	0.8	0.8

Little Rainbow Pond

Trophic State Eutrophic	Acidity Acidic (acceptable)	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Little Rainbow Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/27/2022	6/15/2022	7/11/2022	9/2/2022	9/28/2022	Average
Laboratory pH	6.2	6.3	6.0	6.1	6.2	6.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	14.7	14.3	16.1	15.1	15.1	15.0
Apparent Color (mg/L Pt-Co)	79.3	111.5	159.8	105.1	92.2	109.6
CDOM ($\mu\text{g}/\text{L QSE}$)	221.1	231.8	242.2	221.6	238.9	231.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	8.4	8.2	7.7	10.5	6.5	8.3
Transparency (m)	1.4	1.3	1.2	1.3	1.6	1.3
Alkalinity (mg/L as CaCO_3)	BDL	BDL	2.8	4.4	4.2	3.1
Chloride (mg/L)	2.6	4.0	BDL	0.6	BDL	1.6
Sulfate as SO_4 (mg/L)	1.8	1.9	1.6	1.6	1.4	1.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	16.6	18.6	21.6	18.8	10.5	17.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	27.5	BDL	BDL	16.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	397.9	354.3	386.1	451.8	372.9	392.6
Dissolved Organic Carbon (NPOC mg/L)	7.3	9.4	9.3	8.5	9.1	8.7
Calcium (mg/L)	1.5	1.5	1.9	1.9	1.7	1.7
Sodium (mg/L)	0.6	0.6	0.6	0.6	0.6	0.6

Little Square Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Little Square Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/15/2022	7/11/2022	8/11/2022	9/5/2022	Average
Laboratory pH	7.2	7.2	7.2	7.3	7.0	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	23.6	23.7	22.9	23.8	24.3	23.7
Apparent Color (mg/L Pt-Co)	43.9	40.7	43.9	47.2	37.5	42.7
CDOM ($\mu\text{g}/\text{L QSE}$)	126.3	122.7	120.1	137.9	115.8	124.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.7	2.9	3.6	3.1	4.3	3.1
Transparency (m)	3.2	3.1	2.3	3.6	3.4	3.1
Alkalinity (mg/L as CaCO_3)	7.4	8.1	7.3	8.3	9.2	8.1
Chloride (mg/L)	BDL	0.7	BDL	BDL	BDL	0.5
Sulfate as SO_4 (mg/L)	2.4	2.5	2.4	2.2	2.4	2.4
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.6	9.5	8.6	7.2	8.4	8.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	162.4	188.2	220.0	185.0	247.2	200.6
Dissolved Organic Carbon (NPOC mg/L)	4.4	4.6	4.8	4.9	4.7	4.7
Calcium (mg/L)	2.7	2.8	2.7	2.8	2.7	2.7
Sodium (mg/L)	0.9	0.9	0.9	0.9	0.9	0.9

Long Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Long Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/17/2022	8/20/2022	Average
Laboratory pH	6.9	6.8	6.9	6.9
Sp. Conductance (µS/cm@25 C)	33.9	35.1	35.2	34.7
Apparent Color (mg/L Pt-Co)	31.1	31.1	27.9	30.0
CDOM (µg/L QSE)	142.6	152.1	138.4	144.4
Chlorophyll-a (µg/L)	2.2	2.3	2.3	2.3
Transparency (m)	3.6	4.4	3.6	3.9
Alkalinity (mg/L as CaCO ₃)	5.2	4.8	7.4	5.8
Chloride (mg/L)	2.8	4.8	4.9	4.2
Sulfate as SO ₄ (mg/L)	2.4	2.3	2.5	2.4
Total Phosphorus (µg/L as P)	4.8	4.3	5.0	4.7
Nitrate-Nitrite (µg/L as N)	45.9	BDL	BDL	15.3
Ammonia (µg/L as NH ₃ -N)	22.0	BDL	BDL	13.9
Total Nitrogen (µg/L)	237.7	205.9	239.4	227.7
Dissolved Organic Carbon (NPOC mg/L)	5.2	5.2	5.3	5.2
Calcium (mg/L)	2.5	2.6	2.6	2.6
Sodium (mg/L)	3.2	3.2	3.4	3.3

Long Pond

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Long Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/16/2022	8/21/2022	Average
Laboratory pH	7.9	8.3	8.1	8.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	143.8	139.2	145.8	142.9
Apparent Color (mg/L Pt-Co)	21.4	27.9	21.4	23.6
CDOM ($\mu\text{g}/\text{L QSE}$)	136.8	104.5	100.6	114.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.1	2.5	2.4	2.7
Transparency (m)	3.8	3.6	3.7	3.7
Alkalinity (mg/L as CaCO_3)	60.2	47.9	60.9	56.3
Chloride (mg/L)	10.7	11.1	11.5	11.1
Sulfate as SO_4 (mg/L)	3.0	2.9	3.2	3.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.2	9.5	8.3	10.3
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 ($\mu\text{g}/\text{L}$)	378.4	364.0	383.3	375.2
Dissolved Organic Carbon (NPOC mg/L)	6.0	6.1	5.9	6.0
Calcium (mg/L)	16.7	16.9	16.9	16.8
Sodium (mg/L)	8.5	8.9	9.0	8.8

Long Pond- Lake Clear

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Long Pond- Lake Clear during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/30/2022	6/15/2022	7/11/2022	9/2/2022	9/28/2022	Average
Laboratory pH	6.7	6.9	7.1	6.8	6.7	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	20.5	20.0	20.0	20.8	22.1	20.7
Apparent Color (mg/L Pt-Co)	37.5	34.3	40.7	27.9	34.3	34.9
CDOM ($\mu\text{g}/\text{L QSE}$)	118.1	117.1	109.3	118.7	111.1	114.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.4	2.5	3.0	3.7	5.5	3.4
Transparency (m)	4.7	3.1	4.4	5.1	3.9	4.2
Alkalinity (mg/L as CaCO_3)	7.0	6.5	6.1	7.4	9.4	7.3
Chloride (mg/L)	BDL	0.9	BDL	BDL	BDL	0.5
Sulfate as SO_4 (mg/L)	2.2	2.3	2.3	2.3	2.1	2.2
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	6.9	5.5	20.1	5.5	4.8	8.5
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	13.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	208.4	168.0	219.6	203.5	151.5	190.2
Dissolved Organic Carbon (NPOC mg/L)	3.9	4.4	4.6	4.4	4.2	4.3
Calcium (mg/L)	2.4	2.4	2.4	2.6	2.6	2.5
Sodium (mg/L)	0.8	0.7	0.8	0.8	0.9	0.8

Loon Lake- Franklin County

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Loon Lake during the 2022 sampling season. BDL=below detection limit.

North

Water Quality Indicator	6/17/2022	7/14/2022	8/28/2022	Average
Laboratory pH	7.4	8.7	7.2	7.8
Sp. Conductance (µS/cm@25 C)	39.9	37.5	40.5	39.3
Apparent Color (mg/L Pt-Co)	18.2	15.0	11.8	15.0
CDOM (µg/L QSE)	75.4	46.8	65.9	62.7
Chlorophyll-a (µg/L)	2.2	2.2	1.8	2.1
Transparency (m)	5.0	4.9	5.5	5.1
Alkalinity (mg/L as CaCO ₃)	13.8	13.7	14.4	14.0
Chloride (mg/L)	1.7	2.6	2.3	2.2
Sulfate as SO ₄ (mg/L)	2.4	2.3	2.3	2.3
Total Phosphorus (µg/L as P)	5.4	6.5	8.0	6.6
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	213.2	192.8	204.8	203.6
Dissolved Organic Carbon (NPOC mg/L)	3.4	3.6	3.8	3.6
Calcium (mg/L)	3.8	4.0	4.0	3.9
Sodium (mg/L)	2.1	2.2	2.2	2.2

South

Laboratory pH	7.4	7.8	7.3	7.5
Sp. Conductance (µS/cm@25 C)	39.0	38.0	38.6	38.5
Apparent Color (mg/L Pt-Co)	34.3	21.4	11.8	22.5
CDOM (µg/L QSE)	59.6	85.6	84.8	76.6
Chlorophyll-a (µg/L)	1.5	2.1	1.6	1.7
Transparency (m)	4.0	4.8	4.9	4.5
Alkalinity (mg/L as CaCO ₃)	14.0	13.6	13.3	13.6
Chloride (mg/L)	1.5	2.3	2.3	2.0
Sulfate as SO ₄ (mg/L)	2.3	2.1	2.2	2.2
Total Phosphorus (µg/L as P)	6.1	5.8	6.3	6.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL

Ammonia ($\mu\text{g/L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g/L}$)	228.8	195.2	211.7	211.9
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.9	4.0	3.8
Calcium (mg/L)	3.6	3.9	3.9	3.8
Sodium (mg/L)	1.9	2.0	2.0	2.0

Loon Lake- Warren County

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Loon Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/26/2022	7/23/2022	8/20/2022	Average
Laboratory pH	7.6	7.4	7.8	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	101.5	107.2	110.3	106.3
Apparent Color (mg/L Pt-Co)	24.6	24.6	18.2	22.5
CDOM ($\mu\text{g}/\text{L QSE}$)	114.6	99.4	83.7	99.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.8	1.5	2.3	1.9
Transparency (m)	4.0	6.3	5.4	5.2
Alkalinity (mg/L as CaCO_3)	21.2	22.3	22.5	22.0
Chloride (mg/L)	17.3	18.1	18.3	17.9
Sulfate as SO_4 (mg/L)	3.2	3.2	3.3	3.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	18.6	12.0	7.9	12.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	10.4	BDL	BDL	5.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	30.9	20.5	BDL	21.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	671.1	410.4	269.0	450.2
Dissolved Organic Carbon (NPOC mg/L)	5.9	5.0	4.6	5.2
Calcium (mg/L)	7.6	8.0	7.7	7.8
Sodium (mg/L)	11.8	12.3	12.2	12.1

Lower Beaver Pond

Trophic State Mesotrophic	Acidity Acidic- acceptable	Acid Neutralizing Capacity Low	Road Salt Influence Not Significant
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Water quality values for Lower Beaver Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/26/2022	7/17/2022	8/20/2022	Average
Laboratory pH	6.3	6.3	6.8	6.5
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	16.0	15.8	17.1	16.3
Apparent Color (mg/L Pt-Co)	121.1	130.8	124.4	125.4
CDOM ($\mu\text{g}/\text{L QSE}$)	232.0	275.5	232.9	246.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	8.7	9.1	2.0	6.6
Transparency (m)	1.5	1.1	1.2	1.3
Alkalinity (mg/L as CaCO_3)	BDL	BDL	3.0	1.8
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	1.8	1.5	1.7	1.7
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	13.2	14.1	8.9	12.1
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	7.1	BDL	BDL	3.9
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	27.5	22.0	BDL	20.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	349.4	457.6	395.0	400.7
Dissolved Organic Carbon (NPOC mg/L)	9.7	10.1	10.1	10.0
Calcium (mg/L)	1.7	1.7	2.0	1.8
Sodium (mg/L)	0.7	0.7	0.9	0.8

Lower Chateaugay Lake

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Lower Chateaugay Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/16/2022	8/20/2022	Average
Laboratory pH	7.7	7.7	8.6	8.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	86.3	93.3	99.6	93.1
Apparent Color (mg/L Pt-Co)	40.7	31.1	21.4	31.1
CDOM ($\mu\text{g}/\text{L QSE}$)	165.8	159.2	129.3	151.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	5.2	3.0	2.7	3.6
Transparency (m)	2.8	3.8	4.2	3.6
Alkalinity (mg/L as CaCO_3)	27.3	27.7	35.1	30.0
Chloride (mg/L)	7.6	7.8	8.3	7.9
Sulfate as SO_4 (mg/L)	3.2	3.3	3.4	3.3
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	18.2	17.2	15.7	17.0
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	22.4	BDL	BDL	18.1
Total Nitrogen ($\mu\text{g}/\text{L}$)	287.4	243.1	218.8	249.8
Dissolved Organic Carbon (NPOC mg/L)	5.5	5.4	4.9	5.3
Calcium (mg/L)	8.7	9.1	10.1	9.3
Sodium (mg/L)	5.7	6.1	6.0	5.9

Lower Saranac Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Lower Saranac Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	7/24/2022	8/15/2022	9/8/2022	Average
Laboratory pH	7.3	7.4	7.2	7.3
Sp. Conductance (µS/cm@25 C)	70.8	73.7	73.0	72.5
Apparent Color (mg/L Pt-Co)	31.1	21.4	31.1	27.9
CDOM (µg/L QSE)	126.9	123.9	127.3	126.0
Chlorophyll-a (µg/L)	2.0	1.5	2.3	1.9
Transparency (m)	4.0	4.0	5.3	4.4
Alkalinity (mg/L as CaCO ₃)	10.3	13.2	13.2	12.2
Chloride (mg/L)	11.1	11.6	11.7	11.5
Sulfate as SO ₄ (mg/L)	3.0	3.1	3.1	3.1
Total Phosphorus (µg/L as P)	10.0	8.6	7.9	8.8
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	252.9	260.0	261.4	258.1
Dissolved Organic Carbon (NPOC mg/L)	5.6	5.4	5.6	5.5
Calcium (mg/L)	4.6	5.1	4.6	4.8
Sodium (mg/L)	7.2	7.1	6.9	7.0

McCauley Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for McCauley Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/25/2022	6/24/2022	7/23/2022	8/15/2022	9/9/2022	Average
Laboratory pH	7.0	6.9	7.0	7.0	7.4	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	27.3	27.6	28.5	26.3	29.5	27.8
Apparent Color (mg/L Pt-Co)	53.6	63.2	69.7	56.8	43.9	57.5
CDOM ($\mu\text{g}/\text{L QSE}$)	190.8	163.0	191.0	174.3	157.7	175.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	2.7	1.9	4.4	2.5	2.7
Transparency (m)	2.2	2.1	2.4	2.2	2.5	2.3
Alkalinity (mg/L as CaCO_3)	6.5	7.3	6.5	8.7	9.5	7.7
Chloride (mg/L)	1.1	1.4	1.0	1.1	0.9	1.1
Sulfate as SO_4 (mg/L)	3.6	3.4	3.1	3.0	3.0	3.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	14.0	14.4	18.1	12.7	10.2	13.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	26.4	BDL	BDL	BDL	BDL	17.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	289.0	268.2	336.3	320.3	298.5	302.5
Dissolved Organic Carbon (NPOC mg/L)	6.3	6.6	7.6	7.3	10.7	7.7
Calcium (mg/L)	2.8	2.9	3.0	3.3	3.2	3.0
Sodium (mg/L)	1.2	1.2	1.2	1.2	1.3	1.2

Middle Saranac Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Middle Saranac Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/22/2022	7/17/2022	8/14/2022	Average
Laboratory pH	7.3	6.9	7.5	7.2
Sp. Conductance (µS/cm@25 C)	63.2	63.8	63.9	63.6
Apparent Color (mg/L Pt-Co)	34.3	21.4	21.4	25.7
CDOM (µg/L QSE)	109.7	106.7	118.2	111.5
Chlorophyll-a (µg/L)	2.3	1.3	2.7	2.1
Transparency (m)	2.5	3.9	3.4	3.2
Alkalinity (mg/L as CaCO ₃)	12.0	10.7	10.8	11.2
Chloride (mg/L)	9.6	8.9	9.4	9.3
Sulfate as SO ₄ (mg/L)	3.0	2.8	2.8	2.9
Total Phosphorus (µg/L as P)	12.8	10.2	11.8	11.6
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	1.5
Ammonia (µg/L as NH ₃ -N)	BDL	23.6	BDL	19.5
Total Nitrogen (µg/L)	250.2	312.1	243.0	268.4
Dissolved Organic Carbon (NPOC mg/L)	4.7	4.8	4.9	4.8
Calcium (mg/L)	4.3	4.3	4.3	4.3
Sodium (mg/L)	5.9	6.0	5.9	5.9

Moody Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Moody Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/15/2022	7/1/2022	7/28/2022	8/13/2022	9/27/2022	Average
Laboratory pH	7.2	7.3	7.3	7.3	7.0	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	131.0	127.8	127.6	125.6	124.6	127.3
Apparent Color (mg/L Pt-Co)	8.6	18.2	24.6	18.2	21.4	18.2
CDOM ($\mu\text{g}/\text{L QSE}$)	65.2	60.7	77.5	62.7	102.7	73.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.7	1.7	1.0	1.6	3.8	1.9
Transparency (m)	3.5	3.6	N/A	3.7	3.7	3.6
Alkalinity (mg/L as CaCO_3)	16.8	15.7	14.1	16.7	16.3	15.9
Chloride (mg/L)	27.6	25.5	26.1	25.2	26.1	26.1
Sulfate as SO_4 (mg/L)	4.2	4.1	3.8	3.7	3.6	3.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.1	9.4	7.0	9.1	15.5	10.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	29.7	BDL	21.8	22.3	55.9	29.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	283.0	292.2	288.7	275.6	419.4	311.8
Dissolved Organic Carbon (NPOC mg/L)	3.7	4.0	4.0	4.2	4.3	4.0
Calcium (mg/L)	6.6	6.1	6.1	5.8	5.2	6.0
Sodium (mg/L)	18.7	17.8	17.5	17.7	16.9	17.7

Moose Pond

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

Water quality values for Moose Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/25/2022	6/25/2022	7/20/2022	8/19/2022	9/9/2022	Average
Laboratory pH	7.0	7.1	7.2	7.2	7.2	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	27.2	25.4	26.6	27.5	27.7	26.9
Apparent Color (mg/L Pt-Co)	21.4	47.2	40.7	27.9	37.5	34.9
CDOM ($\mu\text{g}/\text{L QSE}$)	167.4	147.3	137.6	127.6	139.4	143.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	1.8	1.4	1.7	0.4	1.3
Transparency (m)	N/A	N/A	N/A	N/A	N/A	N/A
Alkalinity (mg/L as CaCO_3)	7.8	8.6	7.3	10.0	10.6	8.9
Chloride (mg/L)	0.7	0.5	BDL	BDL	0.6	0.5
Sulfate as SO_4 (mg/L)	2.7	2.6	2.4	2.5	2.5	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	24.9	7.7	13.8	6.3	5.9	11.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	187.0	79.7	59.8	34.8	27.1	77.7
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	23.1	40.7	34.8	21.2	27.4	29.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	633.4	345.6	367.7	236.7	303.6	377.4
Dissolved Organic Carbon (NPOC mg/L)	6.0	5.4	5.9	5.5	5.8	5.7
Calcium (mg/L)	3.0	3.0	3.0	3.3	3.1	3.1
Sodium (mg/L)	1.2	1.0	1.0	1.0	1.1	1.1

Moss Lake

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

Water quality values for Moss Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/27/2022	7/15/2022	8/13/2022	Average
Laboratory pH	7.0	7.1	7.2	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	23.5	23.6	24.8	24.0
Apparent Color (mg/L Pt-Co)	37.5	24.6	27.9	30.0
CDOM ($\mu\text{g}/\text{L QSE}$)	116.0	117.4	109.8	114.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.3	0.6	1.4	1.4
Transparency (m)	2.8	3.3	2.5	2.9
Alkalinity (mg/L as CaCO_3)	6.5	5.9	8.6	7.0
Chloride (mg/L)	0.5	0.6	0.7	0.6
Sulfate as SO_4 (mg/L)	2.7	2.6	2.8	2.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.6	12.3	11.3	12.4
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	61.6	46.1	9.3	39.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	23.0	BDL	16.8
Total Nitrogen ($\mu\text{g}/\text{L}$)	242.3	228.8	216.7	229.3
Dissolved Organic Carbon (NPOC mg/L)	4.5	4.9	5.0	4.8
Calcium (mg/L)	2.4	2.5	2.7	2.5
Sodium (mg/L)	1.1	1.1	1.2	1.1

Mountain View Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Not Significant
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Water quality values for Mountain View Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/20/2022	8/21/2022	Average
Laboratory pH	7.3	7.5	7.8	7.5
Sp. Conductance (µS/cm@25 C)	40.3	62.7	77.2	60.1
Apparent Color (mg/L Pt-Co)	121.1	72.9	37.5	77.2
CDOM (µg/L QSE)	271.1	185.3	128.6	195.0
Chlorophyll-a (µg/L)	1.2	0.8	0.1	0.7
Transparency (m)	1.0	2.0	2.3	1.6
Alkalinity (mg/L as CaCO ₃)	16.9	26.7	38.5	27.4
Chloride (mg/L)	2.0	BDL	0.6	1.0
Sulfate as SO ₄ (mg/L)	2.1	2.9	3.4	2.8
Total Phosphorus (µg/L as P)	21.4	19.6	18.9	20.0
Nitrate-Nitrite (µg/L as N)	27.7	6.6	BDL	12.2
Ammonia (µg/L as NH ₃ -N)	26.7	27.4	24.7	26.3
Total Nitrogen (µg/L)	448.5	329.5	203.0	327.0
Dissolved Organic Carbon (NPOC mg/L)	9.1	5.2	3.6	6.0
Calcium (mg/L)	5.1	7.5	9.4	7.3
Sodium (mg/L)	1.0	1.3	1.6	1.3

Oseetah Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Oseetah Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/24/2022	7/21/2022	8/21/2022	9/7/2022	Average
Laboratory pH	6.8	7.2	7.4	7.0	7.2	7.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	66.7	68.7	78.0	76.1	68.3	71.6
Apparent Color (mg/L Pt-Co)	43.9	40.7	50.4	37.5	40.7	42.7
CDOM ($\mu\text{g}/\text{L QSE}$)	146.1	143.5	140.9	141.7	149.0	144.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.0	2.2	2.1	3.1	1.7	2.4
Transparency (m)	2.0	1.8	1.8	1.7	1.7	1.8
Alkalinity (mg/L as CaCO_3)	11.5	13.5	12.8	15.1	13.4	13.3
Chloride (mg/L)	9.9	10.4	11.9	11.2	10.3	10.7
Sulfate as SO_4 (mg/L)	3.1	3.2	3.2	3.3	3.0	3.1
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	11.2	9.7	12.6	17.4	9.7	12.1
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	12.2	10.2	BDL	BDL	5.4	6.3
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	30.3	35.5	BDL	BDL	BDL	21.7
Total Nitrogen ($\mu\text{g}/\text{L}$)	320.3	261.5	247.3	274.9	249.8	270.8
Dissolved Organic Carbon (NPOC mg/L)	5.1	5.0	5.4	5.3	5.5	5.3
Calcium (mg/L)	4.9	5.0	5.6	5.8	4.5	5.2
Sodium (mg/L)	6.7	6.4	7.3	7.0	6.3	6.7

Osgood Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Osgood Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/22/2022	7/19/2022	8/15/2022	Average
Laboratory pH	7.2	7.2	7.3	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	72.0	69.4	74.3	71.9
Apparent Color (mg/L Pt-Co)	47.2	63.2	56.8	55.7
CDOM ($\mu\text{g}/\text{L}$ QSE)	142.0	162.2	145.7	149.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	5.4	7.4	4.2	5.7
Transparency (m)	2.5	2.4	2.4	2.4
Alkalinity (mg/L as CaCO_3)	17.2	14.9	18.8	17.0
Chloride (mg/L)	8.2	7.7	8.3	8.0
Sulfate as SO_4 (mg/L)	3.9	3.7	3.7	3.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	12.9	16.5	14.0	14.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	6.4	BDL	BDL	3.4
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	246.3	361.6	313.8	307.2
Dissolved Organic Carbon (NPOC mg/L)	5.4	6.3	6.3	6.0
Calcium (mg/L)	6.3	6.1	6.4	6.3
Sodium (mg/L)	4.8	4.7	4.7	4.7

Otter Pond

Trophic State Mesotrophic	Acidity Acidic (threatened)	Acid Neutralizing Capacity Low	Road Salt Influence Not Significant
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Water quality values for Otter Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/19/2022	8/19/2022	Average
Laboratory pH	5.8	5.7	5.9	5.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	9.8	9.8	9.4	9.7
Apparent Color (mg/L Pt-Co)	101.8	101.8	82.5	95.4
CDOM ($\mu\text{g}/\text{L QSE}$)	207.3	201.6	198.0	202.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.5	5.8	4.9	4.4
Transparency (m)	1.9	1.6	1.6	1.7
Alkalinity (mg/L as CaCO_3)	BDL	BDL	BDL	BDL
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	0.7	0.7	0.7	0.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	14.0	21.2	16.8	17.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	46.6	BDL	BDL	22.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	408.0	364.0	326.9	366.3
Dissolved Organic Carbon (NPOC mg/L)	9.6	7.7	7.2	8.2
Calcium (mg/L)	0.8	1.0	1.0	0.9
Sodium (mg/L)	0.3	0.3	0.4	0.3

Owl Pond

Trophic State Mesotrophic	Acidity Acidic (threatened)	Acid Neutralizing Capacity Low	Road Salt Influence Not Significant
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Water quality values for Owl Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/26/2022	6/24/2022	7/14/2022	8/15/2022	9/29/2022	Average
Laboratory pH	6.3	5.5	5.7	6.1	5.8	5.9
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	10.7	10.1	9.7	9.2	9.0	9.7
Apparent Color (mg/L Pt-Co)	24.6	18.2	21.4	27.9	21.4	22.7
CDOM ($\mu\text{g}/\text{L}$ QSE)	83.5	75.7	64.0	68.7	92.6	76.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.4	1.9	3.3	5.7	6.8	3.8
Transparency (m)	3.3	3.7	3.6	3.1	3.5	3.4
Alkalinity (mg/L as CaCO_3)	BDL	BDL	BDL	BDL	BDL	BDL
Chloride (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.0	2.0	2.0	1.9	2.0	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	15.6	14.2	12.5	17.6	19.6	15.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	8.6	BDL	BDL	BDL	BDL	2.5
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	25.4	BDL	BDL	BDL	15.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	332.9	286.7	295.8	302.4	284.9	300.5
Dissolved Organic Carbon (NPOC mg/L)	3.5	4.5	4.7	4.2	3.9	4.2
Calcium (mg/L)	0.8	0.7	0.8	0.9	0.8	0.8
Sodium (mg/L)	0.3	0.3	0.3	0.3	0.3	0.3

Paradox Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Paradox Lake during the 2022 sampling season. BDL=below detection limit.

Upper

Water Quality Indicator	5/31/2022	6/24/2022	7/20/2022	8/18/2022	9/11/2022	Average
Laboratory pH	7.5	8.5	7.7	7.9	7.7	7.8
Sp. Conductance (µS/cm@25 C)	74.9	78.0	78.5	82.6	81.2	79.0
Apparent Color (mg/L Pt-Co)	24.6	18.2	18.2	15.0	18.2	18.8
CDOM (µg/L QSE)	88.6	95.5	71.1	75.6	70.8	80.3
Chlorophyll-a (µg/L)	1.1	2.6	1.1	1.1	1.8	1.5
Transparency (m)	4.1	4.1	4.9	5.8	4.0	4.6
Alkalinity (mg/L as CaCO ₃)	24.8	24.2	24.0	28.6	27.4	25.8
Chloride (mg/L)	10.4	6.2	7.0	7.6	7.1	7.6
Sulfate as SO ₄ (mg/L)	2.9	2.8	2.5	2.9	2.6	2.7
Total Phosphorus (µg/L as P)	6.2	6.7	5.5	5.8	6.4	6.1
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	149.6	204.7	186.3	233.9	191.9	193.3
Dissolved Organic Carbon (NPOC mg/L)	4.2	4.1	5.3	4.1	3.7	4.3
Calcium (mg/L)	7.8	8.6	9.0	9.1	9.3	8.8
Sodium (mg/L)	4.8	4.8	5.3	5.2	5.0	5.0

Lower

Water Quality Indicator	5/31/2022	6/26/2022	7/23/2022	8/18/2022	9/27/2022	Average
Laboratory pH	7.5	7.6	7.4	7.5	7.8	7.6
Sp. Conductance (µS/cm@25 C)	72.8	74.6	75.2	77.0	77.1	75.3
Apparent Color (mg/L Pt-Co)	27.9	15.0	15.0	15.0	18.2	18.2
CDOM (µg/L QSE)	80.5	81.3	58.6	55.3	75.8	70.3
Chlorophyll-a (µg/L)	0.8	1.1	1.5	0.8	2.4	1.3
Transparency (m)	4.2	5.0	6.2	7.1	5.8	5.7
Alkalinity (mg/L as CaCO ₃)	22.9	21.4	20.5	23.9	23.6	22.5
Chloride (mg/L)	7.9	7.2	7.6	7.9	7.6	7.6
Sulfate as SO ₄ (mg/L)	2.9	3.0	2.8	3.2	2.9	2.9
Total Phosphorus (µg/L as P)	5.9	3.8	4.0	3.8	4.9	4.5
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	152.6	177.5	155.4	208.5	176.7	174.1
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.8	3.8	3.9	3.6	3.7
Calcium (mg/L)	7.4	7.6	7.9	7.9	8.1	7.8
Sodium (mg/L)	5.2	5.4	5.6	5.7	5.3	5.5

Penfield Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Penfield Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/19/2022	6/24/2022	7/13/2022	8/16/2022	9/20/2022	Average
Laboratory pH	7.4	7.5	7.5	7.1	7.2	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	123.9	141.5	148.8	177.1	186.0	155.5
Apparent Color (mg/L Pt-Co)	56.8	34.3	34.3	72.9	34.3	46.5
CDOM ($\mu\text{g}/\text{L QSE}$)	198.8	175.4	172.8	193.3	200.0	188.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	2.7	5.7	5.7	6.2	4.4
Transparency (m)	2.3	1.3	1.9	1.9	2.4	2.0
Alkalinity (mg/L as CaCO_3)	48.1	51.3	60.3	74.1	76.1	62.0
Chloride (mg/L)	8.9	12.1	10.9	13.3	15.4	12.1
Sulfate as SO_4 (mg/L)	1.9	1.5	0.9	0.3	0.4	1.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	13.3	16.4	15.4	23.2	16.7	17.0
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	20.6	BDL	BDL	BDL	15.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	252.0	305.3	332.2	381.4	322.3	318.6
Dissolved Organic Carbon (NPOC mg/L)	5.1	4.4	5.6	6.1	5.4	5.3
Calcium (mg/L)	15.4	17.7	18.9	22.5	23.9	19.7
Sodium (mg/L)	6.5	8.3	7.9	8.1	8.9	7.9

Pine Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Pine Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/19/2022	8/15/2022	Average
Laboratory pH	6.6	6.2	6.7	6.5
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	14.8	10.5	13.5	12.9
Apparent Color (mg/L Pt-Co)	15.0	15.0	18.2	16.1
CDOM ($\mu\text{g}/\text{L QSE}$)	84.2	77.4	77.2	79.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.5	1.5	1.3	1.4
Transparency (m)	4.8	5.1	6.0	5.3
Alkalinity (mg/L as CaCO_3)	3.3	2.6	4.3	3.4
Chloride (mg/L)	0.7	0.6	0.8	0.7
Sulfate as SO_4 (mg/L)	2.0	1.8	2.0	1.9
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.9	4.4	6.5	5.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	34.7	BDL	BDL	12.7
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	20.9	23.1	BDL	20.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	261.2	220.1	251.3	244.2
Dissolved Organic Carbon (NPOC mg/L)	3.5	3.4	3.9	3.6
Calcium (mg/L)	1.3	1.1	1.3	1.2
Sodium (mg/L)	0.8	0.7	0.8	0.8

Pine Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Pine Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/26/2022	6/24/2022	7/14/2022	8/15/2022	9/29/2022	Average
Laboratory pH	6.8	6.9	6.8	6.9	6.9	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	20.7	18.4	19.0	19.0	18.6	19.2
Apparent Color (mg/L Pt-Co)	11.8	5.3	11.8	15.0	5.3	9.8
CDOM ($\mu\text{g}/\text{L QSE}$)	6.8	13.3	24.6	5.1	32.6	16.5
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	1.5	1.9	1.5	4.3	2.2
Transparency (m)	7.3	9.0	6.9	6.8	5.8	7.1
Alkalinity (mg/L as CaCO_3)	2.6	5.5	4.9	5.9	6.0	5.0
Chloride (mg/L)	0.6	BDL	BDL	BDL	BDL	0.4
Sulfate as SO_4 (mg/L)	2.8	2.9	2.8	2.8	2.7	2.8
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	6.0	5.7	4.6	6.4	7.3	6.0
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	21.9	BDL	BDL	BDL	BDL	4.7
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	20.4	BDL	BDL	BDL	BDL	15.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	271.9	193.8	211.7	218.9	212.4	221.7
Dissolved Organic Carbon (NPOC mg/L)	2.8	2.7	2.9	3.3	3.3	3.0
Calcium (mg/L)	2.0	2.0	1.9	2.1	2.0	2.0
Sodium (mg/L)	0.7	0.7	0.7	0.7	0.7	0.7

Pleasant Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Pleasant Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	7/25/2022	Average
Laboratory pH	6.7	6.7
Sp. Conductance (µS/cm@25 C)	14.6	14.6
Apparent Color (mg/L Pt-Co)	5.3	5.3
CDOM (µg/L QSE)	50.4	50.4
Chlorophyll-a (µg/L)	2.2	2.2
Transparency (m)	4.8	4.8
Alkalinity (mg/L as CaCO ₃)	2.7	2.7
Chloride (mg/L)	1.7	1.7
Sulfate as SO ₄ (mg/L)	0.8	0.8
Total Phosphorus (µg/L as P)	6.0	6.0
Nitrate-Nitrite (µg/L as N)	BDL	0.6
Ammonia (µg/L as NH ₃ -N)	BDL	11.2
Total Nitrogen (µg/L)	253.6	253.6
Dissolved Organic Carbon (NPOC mg/L)	3.5	3.5
Calcium (mg/L)	1.3	1.3
Sodium (mg/L)	1.0	1.0

Polliwog Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Polliwog Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/22/2022	6/24/2022	7/23/2022	8/20/2022	9/9/2022	Average
Laboratory pH	7.0	6.5	6.6	6.6	7.0	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	13.4	14.3	12.6	13.0	12.3	13.1
Apparent Color (mg/L Pt-Co)	18.2	27.9	15.0	5.3	11.8	15.6
CDOM ($\mu\text{g}/\text{L QSE}$)	43.5	93.6	53.5	67.1	45.1	60.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	1.7	1.9	1.1	1.0	1.3
Transparency (m)	4.9	5.0	4.6	6.5	8.2	5.8
Alkalinity (mg/L as CaCO_3)	BDL	3.0	BDL	2.9	3.2	2.7
Chloride (mg/L)	0.6	0.6	BDL	0.6	BDL	0.5
Sulfate as SO_4 (mg/L)	2.3	2.2	2.1	2.2	2.1	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.0	5.0	7.8	6.8	4.1	6.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	39.3	BDL	BDL	BDL	BDL	9.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	24.7	BDL	BDL	BDL	17.1
Total Nitrogen ($\mu\text{g}/\text{L}$)	221.7	207.9	233.5	187.5	205.9	211.3
Dissolved Organic Carbon (NPOC mg/L)	3.5	3.5	4.0	4.1	3.9	3.8
Calcium (mg/L)	1.2	1.2	1.1	1.2	1.2	1.2
Sodium (mg/L)	0.6	0.6	0.6	0.5	0.6	0.6

Putnam Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Putnam Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/19/2022	6/13/2022	7/13/2022	8/16/2022	9/20/2022	Average
Laboratory pH	7.3	7.1	7.0	7.4	7.5	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	24.7	25.6	24.5	25.1	25.0	25.0
Apparent Color (mg/L Pt-Co)	21.4	35.8	24.6	21.4	24.6	25.6
CDOM ($\mu\text{g}/\text{L QSE}$)	105.7	73.3	71.6	92.9	79.8	84.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.3	2.8	2.8	1.6	3.2	2.3
Transparency (m)	5.2	3.4	5.0	3.9	3.9	4.3
Alkalinity (mg/L as CaCO_3)	8.2	8.2	8.2	9.4	10.1	8.8
Chloride (mg/L)	0.6	2.5	BDL	BDL	BDL	0.9
Sulfate as SO_4 (mg/L)	2.9	2.8	2.7	2.6	2.5	2.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	8.2	7.6	6.1	7.1	8.6	7.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	181.3	227.7	290.2	242.3	234.8	235.3
Dissolved Organic Carbon (NPOC mg/L)	3.6	4.0	4.0	4.0	3.9	3.9
Calcium (mg/L)	2.7	2.8	2.8	2.9	2.9	2.8
Sodium (mg/L)	0.6	0.6	0.6	0.6	0.6	0.6

Ragged Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Ragged Lake during the 2022 sampling season. BDL=below detection limit.

Main

Water Quality Indicator	8/12/2022	9/17/2022	10/11/2022	Average
Laboratory pH	6.9	6.8	6.6	6.7
Sp. Conductance (µS/cm@25 C)	22.6	22.9	23.6	23.0
Apparent Color (mg/L Pt-Co)	111.5	95.4	124.4	110.4
CDOM (µg/L QSE)	293.1	283.4	317.4	297.9
Chlorophyll-a (µg/L)	6.1	9.2	3.4	6.2
Transparency (m)	1.8	1.8	1.8	1.8
Alkalinity (mg/L as CaCO ₃)	6.4	7.8	6.9	7.0
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	1.5	1.5	1.5	1.5
Total Phosphorus (µg/L as P)	17.0	14.0	13.8	14.9
Nitrate-Nitrite (µg/L as N)	BDL	BDL	10.5	4.7
Ammonia (µg/L as NH ₃ -N)	21.4	BDL	37.7	23.8
Total Nitrogen (µg/L)	337.2	326.7	409.2	357.7
Dissolved Organic Carbon (NPOC mg/L)	11.7	11.5	11.9	11.7
Calcium (mg/L)	2.8	3.0	2.7	2.9
Sodium (mg/L)	0.8	0.8	0.9	0.8

Upper

Laboratory pH	6.8	6.8	6.6	6.7
Sp. Conductance (µS/cm@25 C)	22.7	21.3	23.0	22.3
Apparent Color (mg/L Pt-Co)	121.1	92.2	146.9	120.1
CDOM (µg/L QSE)	293.8	284.9	346.7	308.5
Chlorophyll-a (µg/L)	5.5	4.0	1.9	3.8
Transparency (m)	1.1	1.8	1.1	1.3
Alkalinity (mg/L as CaCO ₃)	6.7	8.4	6.2	7.1
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	1.4	1.5	1.5	1.5
Total Phosphorus (µg/L as P)	14.1	12.7	15.2	14.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	8.8	3.5
Ammonia (µg/L as NH ₃ -N)	23.9	22.4	51.5	32.6
Total Nitrogen (µg/L)	354.8	329.7	512.6	399.0
Dissolved Organic Carbon (NPOC mg/L)	11.8	10.9	13.6	12.1
Calcium (mg/L)	2.8	3.0	2.8	2.9
Sodium (mg/L)	0.8	0.8	0.8	0.8

Raquette Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Raquette Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/22/2022	7/23/2022	8/15/2022	Average
Laboratory pH	6.6	6.8	6.8	6.7
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	34.7	35.2	35.3	35.1
Apparent Color (mg/L Pt-Co)	40.7	34.3	34.3	36.4
CDOM ($\mu\text{g}/\text{L QSE}$)	157.1	160.3	154.5	157.3
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	1.2	0.1	1.1
Transparency (m)	4.4	4.4	4.2	4.3
Alkalinity (mg/L as CaCO_3)	4.7	4.3	6.1	5.0
Chloride (mg/L)	3.2	4.9	4.9	4.4
Sulfate as SO_4 (mg/L)	2.4	2.3	2.5	2.4
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	5.2	4.0	3.3	4.2
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	50.4	34.5	15.7	33.5
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	21.4	BDL	BDL	12.3
Total Nitrogen ($\mu\text{g}/\text{L}$)	268.3	238.0	247.5	251.3
Dissolved Organic Carbon (NPOC mg/L)	5.9	5.7	5.7	5.8
Calcium (mg/L)	2.5	2.5	2.4	2.5
Sodium (mg/L)	3.3	3.2	3.3	3.3

Rat Pond

Trophic State Eutrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Rat Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/27/2022	6/15/2022	7/11/2022	9/2/2022	9/28/2022	Average
Laboratory pH	6.5	6.7	6.7	7.0	6.4	6.7
Sp. Conductance (µS/cm@25 C)	16.5	14.6	15.0	14.3	14.8	15.0
Apparent Color (mg/L Pt-Co)	56.8	43.9	79.3	76.1	56.8	62.6
CDOM (µg/L QSE)	149.6	142.3	158.0	149.4	170.4	154.0
Chlorophyll-a (µg/L)	7.1	4.2	5.2	12.4	11.5	8.1
Transparency (m)	2.3	2.9	1.9	1.1	1.5	1.9
Alkalinity (mg/L as CaCO ₃)	3.5	3.9	3.3	4.0	5.0	3.9
Chloride (mg/L)	BDL	1.2	BDL	0.6	BDL	0.6
Sulfate as SO ₄ (mg/L)	1.9	1.8	1.6	1.6	1.4	1.6
Total Phosphorus (µg/L as P)	23.0	11.2	10.1	13.6	9.3	13.4
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	368.7	303.3	371.7	754.4	515.3	462.7
Dissolved Organic Carbon (NPOC mg/L)	6.3	6.5	7.2	8.8	7.7	7.3
Calcium (mg/L)	1.6	1.5	1.6	1.6	1.5	1.5
Sodium (mg/L)	0.6	0.6	0.7	0.6	0.6	0.6

Rich Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Rich Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/20/2022	8/15/2022	Average
Laboratory pH	6.9	6.9	7.1	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	42.6	44.9	47.4	45.0
Apparent Color (mg/L Pt-Co)	40.7	37.5	37.5	38.6
CDOM ($\mu\text{g}/\text{L QSE}$)	170.5	173.5	157.6	167.2
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.1	0.6	1.2	1.0
Transparency (m)	3.0	3.9	4.7	3.8
Alkalinity (mg/L as CaCO_3)	8.0	7.7	11.2	9.0
Chloride (mg/L)	5.2	5.8	6.2	5.7
Sulfate as SO_4 (mg/L)	2.5	2.1	2.4	2.3
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	5.0	4.8	6.5	5.4
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	39.8	18.8	5.6	21.4
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	23.1	BDL	17.7
Total Nitrogen ($\mu\text{g}/\text{L}$)	266.0	240.6	295.0	267.2
Dissolved Organic Carbon (NPOC mg/L)	5.6	5.6	6.0	5.7
Calcium (mg/L)	3.5	3.9	4.0	3.8
Sodium (mg/L)	3.5	3.9	3.9	3.8

Rollins Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Rollins Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/15/2022	7/11/2022	8/11/2022	9/5/2022	Average
Laboratory pH	6.7	7.1	6.9	6.9	6.9	6.9
Sp. Conductance (µS/cm@25 C)	23.8	23.8	23.2	24.1	25.5	24.1
Apparent Color (mg/L Pt-Co)	60.0	73.0	79.3	79.3	72.9	72.9
CDOM (µg/L QSE)	162.1	172.9	186.2	186.6	179.4	177.4
Chlorophyll-a (µg/L)	2.2	2.7	4.7	4.3	5.3	3.8
Transparency (m)	2.5	2.5	1.6	1.8	2.7	2.2
Alkalinity (mg/L as CaCO ₃)	6.0	7.4	6.9	8.2	8.7	7.5
Chloride (mg/L)	BDL	1.4	BDL	BDL	BDL	0.6
Sulfate as SO ₄ (mg/L)	2.3	2.4	2.2	2.0	2.3	2.3
Total Phosphorus (µg/L as P)	7.6	9.5	19.5	8.6	8.0	10.6
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	199.2	217.9	270.6	224.4	282.9	239.0
Dissolved Organic Carbon (NPOC mg/L)	6.1	6.4	6.8	7.0	6.7	6.6
Calcium (mg/L)	2.8	3.0	2.9	3.0	3.1	3.0
Sodium (mg/L)	0.9	0.9	0.9	0.9	0.9	0.9

Round Pond

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
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Water quality values for Round Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/1/2022	6/22/2022	7/15/2022	8/19/2022	9/27/2022	Average
Laboratory pH	8.2	8.2	8.1	8.2	8.0	8.1
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	258.0	259.0	242.0	248.0	258.0	253.0
Apparent Color (mg/L Pt-Co)	0.0	8.6	21.4	15.0	24.6	13.9
CDOM ($\mu\text{g}/\text{L QSE}$)	7.3	8.4	18.1	12.9	28.2	15.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.6	1.4	1.0	1.3	2.0	1.3
Transparency (m)	9.6	8.8	7.2	N/A	4.8	7.6
Alkalinity (mg/L as CaCO_3)	96.9	94.4	86.9	97.3	108.0	96.7
Chloride (mg/L)	22.4	24.1	23.5	24.0	26.2	24.0
Sulfate as SO_4 (mg/L)	3.1	3.1	3.1	3.2	3.6	3.3
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	7.7	5.6	5.5	5.1	6.7	6.1
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	BDL	12.9	BDL	BDL	BDL	3.2
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	286.8	266.0	346.3	275.1	264.2	287.7
Dissolved Organic Carbon (NPOC mg/L)	3.3	3.2	3.5	3.4	3.5	3.4
Calcium (mg/L)	27.7	27.5	24.9	24.1	25.4	25.9
Sodium (mg/L)	13.1	13.4	13.7	13.3	14.3	13.6

Rush Pond

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
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Water quality values for Rush Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/1/2022	6/22/2022	7/15/2022	8/19/2022	9/27/2022	Average
Laboratory pH	8.0	7.7	7.9	7.9	7.6	7.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	280.0	315.0	312.0	342.0	331.0	316.0
Apparent Color (mg/L Pt-Co)	34.3	37.5	31.1	18.2	24.6	29.1
CDOM ($\mu\text{g}/\text{L QSE}$)	106.7	99.8	105.1	102.3	105.4	103.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	6.7	8.8	2.3	1.8	2.4	4.4
Transparency (m)	3.3	1.6	3.8	N/A	3.6	3.1
Alkalinity (mg/L as CaCO_3)	77.6	97.3	93.8	119.0	120.0	101.5
Chloride (mg/L)	32.5	37.4	38.0	38.8	37.6	36.9
Sulfate as SO_4 (mg/L)	6.2	6.6	6.9	7.2	6.8	6.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	12.5	12.8	8.0	7.7	7.0	9.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	36.0	158.0	202.0	209.0	220.0	165.0
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	27.5	41.1	51.5	77.4	43.5
Total Nitrogen ($\mu\text{g}/\text{L}$)	418.5	459.5	531.1	529.5	474.7	482.7
Dissolved Organic Carbon (NPOC mg/L)	4.1	3.5	3.6	3.4	3.1	3.6
Calcium (mg/L)	27.2	31.2	28.8	31.5	31.5	30.0
Sodium (mg/L)	22.2	26.0	26.1	26.4	25.7	25.2

Silver Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Silver Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/22/2022	7/23/2022	8/20/2022	Average
Laboratory pH	7.3	7.5	7.5	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	56.1	55.2	55.8	55.7
Apparent Color (mg/L Pt-Co)	24.6	11.8	18.2	18.2
CDOM ($\mu\text{g}/\text{L QSE}$)	49.4	71.0	47.1	55.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.2	1.4	1.7	1.1
Transparency (m)	6.6	6.3	N/A	6.4
Alkalinity (mg/L as CaCO_3)	14.7	12.8	15.4	14.3
Chloride (mg/L)	7.0	5.7	6.0	6.2
Sulfate as SO_4 (mg/L)	3.5	3.4	3.7	3.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.7	5.1	5.8	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 ($\mu\text{g}/\text{L}$)	244.2	212.4	269.4	242.0
Dissolved Organic Carbon (NPOC mg/L)	3.7	3.9	4.5	4.0
Calcium (mg/L)	5.0	4.8	4.7	4.8
Sodium (mg/L)	3.5	3.4	3.3	3.4

Simon Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Simon Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/18/2022	7/17/2022	8/14/2022	Average
Laboratory pH	6.7	6.9	7.0	6.9
Sp. Conductance (µS/cm@25 C)	28.4	27.9	32.0	29.4
Apparent Color (mg/L Pt-Co)	31.1	27.9	27.9	28.9
CDOM (µg/L QSE)	182.0	133.8	150.4	155.4
Chlorophyll-a (µg/L)	1.9	1.1	1.6	1.5
Transparency (m)	2.7	2.7	2.7	2.7
Alkalinity (mg/L as CaCO ₃)	5.9	5.5	8.0	6.5
Chloride (mg/L)	3.8	2.6	3.0	3.1
Sulfate as SO ₄ (mg/L)	2.5	2.2	2.2	2.3
Total Phosphorus (µg/L as P)	5.3	4.5	5.7	5.2
Nitrate-Nitrite (µg/L as N)	73.6	37.5	14.0	41.7
Ammonia (µg/L as NH ₃ -N)	20.4	21.0	23.4	21.6
Total Nitrogen (µg/L)	239.3	358.4	227.9	275.2
Dissolved Organic Carbon (NPOC mg/L)	4.6	5.0	5.2	4.9
Calcium (mg/L)	2.6	2.6	2.9	2.7
Sodium (mg/L)	2.1	2.3	2.4	2.2

Slang Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Slang Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/30/2022	6/15/2022	7/11/2022	9/2/2022	9/28/2022	Average
Laboratory pH	6.8	6.9	7.0	6.8	6.7	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	19.1	19.2	19.0	20.5	21.2	19.8
Apparent Color (mg/L Pt-Co)	34.3	43.9	40.7	24.6	31.1	34.9
CDOM ($\mu\text{g}/\text{L QSE}$)	100.0	104.8	113.3	90.4	107.1	103.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.9	2.1	1.8	2.6	4.4	2.5
Transparency (m)	3.9	2.9	3.6	5.0	4.1	3.9
Alkalinity (mg/L as CaCO_3)	6.0	5.7	5.5	6.7	7.8	6.4
Chloride (mg/L)	BDL	1.8	BDL	BDL	BDL	0.7
Sulfate as SO_4 (mg/L)	2.2	2.4	2.3	2.4	2.2	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.5	7.5	5.6	4.5	5.6	6.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	225.0	189.1	212.4	219.3	166.9	202.5
Dissolved Organic Carbon (NPOC mg/L)	3.8	4.8	4.9	4.5	4.3	4.5
Calcium (mg/L)	2.2	2.2	2.3	2.4	2.5	2.3
Sodium (mg/L)	0.8	0.7	0.8	0.8	0.8	0.8

Split Rock Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Split Rock Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/17/2022	8/20/2022	Average
Laboratory pH	6.8	6.5	7.1	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	14.5	13.3	14.9	14.2
Apparent Color (mg/L Pt-Co)	21.4	11.8	11.8	15.0
CDOM ($\mu\text{g}/\text{L QSE}$)	122.2	45.1	39.1	68.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.7	0.7	0.3	0.6
Transparency (m)	7.1	8.1	7.0	7.4
Alkalinity (mg/L as CaCO_3)	3.9	3.1	5.1	4.0
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO_4 (mg/L)	2.0	1.9	2.2	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	6.7	4.2	3.1	4.7
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	11.4	BDL	BDL	4.1
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	20.7	BDL	BDL	15.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	191.9	168.7	214.7	191.8
Dissolved Organic Carbon (NPOC mg/L)	3.3	3.4	3.6	3.4
Calcium (mg/L)	1.5	1.5	1.5	1.5
Sodium (mg/L)	0.6	0.6	0.6	0.6

Star Lake

Trophic State Eutrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Star Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/27/2022	7/24/2022	8/20/2022	Average
Laboratory pH	7.2	7.3	7.2	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	69.9	69.9	72.1	70.6
Apparent Color (mg/L Pt-Co)	11.8	5.3	5.3	7.5
CDOM ($\mu\text{g}/\text{L}$ QSE)	17.8	12.2	22.3	17.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.6	1.3	1.3	1.4
Transparency (m)	7.0	8.0	8.3	7.8
Alkalinity (mg/L as CaCO_3)	12.0	10.8	13.8	12.2
Chloride (mg/L)	11.8	12.0	12.2	12.0
Sulfate as SO_4 (mg/L)	2.2	2.1	2.3	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.4	4.4	5.6	5.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	11.3	BDL	BDL	4.2
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	30.9	BDL	BDL	19.8
Total Nitrogen ($\mu\text{g}/\text{L}$)	212.5	227.7	229.7	223.3
Dissolved Organic Carbon (NPOC mg/L)	2.7	2.9	3.1	2.9
Calcium (mg/L)	4.1	4.3	4.3	4.2
Sodium (mg/L)	7.8	7.6	7.8	7.8

Stony Creek Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Low
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Water quality values for Stony Creek Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/15/2022	8/13/2022	9/10/2022	Average
Laboratory pH	7.2	6.8	7.7	7.4	7.3
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	44.0	45.8	44.0	45.0	44.7
Apparent Color (mg/L Pt-Co)	47.2	21.4	24.6	24.6	29.5
CDOM ($\mu\text{g}/\text{L QSE}$)	105.2	85.0	102.9	97.3	97.6
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.4	2.0	3.2	N/A	1.9
Transparency (m)	N/A	3.6	3.5	4.5	3.8
Alkalinity (mg/L as CaCO_3)	11.3	10.3	12.1	12.7	11.6
Chloride (mg/L)	5.2	4.5	4.4	4.1	4.5
Sulfate as SO_4 (mg/L)	2.9	2.8	2.7	2.8	2.8
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	9.5	6.6	6.5	5.3	7.0
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	5.4	BDL	BDL	BDL	2.0
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	26.1	BDL	BDL	14.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	212.0	221.7	197.6	212.5	211.0
Dissolved Organic Carbon (NPOC mg/L)	4.0	4.3	4.4	4.6	4.3
Calcium (mg/L)	4.2	4.3	4.1	4.0	4.2
Sodium (mg/L)	2.7	3.0	2.6	2.7	2.8

Thirteenth Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Thirteenth Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/26/2022	7/23/2022	8/20/2022	Average
Laboratory pH	7.0	6.9	7.0	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	22.7	23.0	24.3	23.3
Apparent Color (mg/L Pt-Co)	27.9	18.2	15.0	20.3
CDOM ($\mu\text{g}/\text{L QSE}$)	93.7	86.9	86.9	89.1
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.8	1.2	0.5	0.8
Transparency (m)	5.1	5.5	6.7	5.7
Alkalinity (mg/L as CaCO_3)	6.8	6.1	8.6	7.1
Chloride (mg/L)	0.7	0.8	1.0	0.8
Sulfate as SO_4 (mg/L)	2.4	2.2	2.5	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	3.5	5.9	3.4	4.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	208.8	172.3	209.8	197.0
Dissolved Organic Carbon (NPOC mg/L)	3.9	4.0	4.0	4.0
Calcium (mg/L)	2.4	2.4	2.6	2.5
Sodium (mg/L)	0.9	1.0	1.1	1.0

Tripp Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Tripp Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/17/2022	8/13/2022	Average
Laboratory pH	7.8	7.8	8.3	8.0
Sp. Conductance (µS/cm@25 C)	103.4	111.4	119.1	111.3
Apparent Color (mg/L Pt-Co)	24.6	24.6	18.2	22.5
CDOM (µg/L QSE)	66.3	64.2	81.3	70.6
Chlorophyll-a (µg/L)	2.4	2.3	2.5	2.4
Transparency (m)	4.2	3.6	3.7	3.8
Alkalinity (mg/L as CaCO ₃)	23.6	23.3	27.8	24.9
Chloride (mg/L)	14.3	15.8	17.0	15.7
Sulfate as SO ₄ (mg/L)	3.5	3.3	3.7	3.5
Total Phosphorus (µg/L as P)	4.1	6.9	6.9	6.0
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	236.8	243.0	295.0	258.3
Dissolved Organic Carbon (NPOC mg/L)	3.7	3.9	4.1	3.9
Calcium (mg/L)	9.1	10.2	10.7	10.0
Sodium (mg/L)	8.8	10.1	10.1	9.7

Trout Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity Adequate – low sensitivity	Road Salt Influence Moderate
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Water quality values for Trout Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/23/2022	8/18/2022	Average
Laboratory pH	7.7	7.7	8.6	8.0
Sp. Conductance (µS/cm@25 C)	109.0	87.7	113.5	103.4
Apparent Color (mg/L Pt-Co)	15.0	11.8	11.8	12.8
CDOM (µg/L QSE)	63.1	44.5	61.0	56.2
Chlorophyll-a (µg/L)	0.7	1.1	1.5	1.1
Transparency (m)	5.7	6.1	6.1	6.0
Alkalinity (mg/L as CaCO ₃)	25.9	19.5	27.2	24.2
Chloride (mg/L)	14.8	11.0	15.7	13.8
Sulfate as SO ₄ (mg/L)	3.7	2.7	3.8	3.4
Total Phosphorus (µg/L as P)	5.8	4.8	6.0	5.5
Nitrate-Nitrite (µg/L as N)	BDL	BDL	BDL	BDL
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	215.8	192.8	245.1	217.9
Dissolved Organic Carbon (NPOC mg/L)	3.6	3.3	3.8	3.5
Calcium (mg/L)	9.3	7.7	10.2	9.0
Sodium (mg/L)	9.5	7.2	10.0	8.9

Trout Pond

Trophic State Mesotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Low
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Water quality values for Trout Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/25/2022	6/17/2022	7/13/2022	8/10/2022	9/6/2022	Average
Laboratory pH	7.5	7.6	7.7	7.8	7.8	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	62.2	64.4	68.0	66.4	64.4	65.1
Apparent Color (mg/L Pt-Co)	18.2	24.6	24.6	21.4	27.9	23.4
CDOM ($\mu\text{g}/\text{L QSE}$)	101.3	99.5	115.6	98.8	103.5	103.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.2	2.0	2.8	3.8	2.7	2.9
Transparency (m)	1.8	1.7	1.9	2.0	1.7	1.8
Alkalinity (mg/L as CaCO_3)	24.0	25.1	24.2	26.7	28.2	25.6
Chloride (mg/L)	2.9	1.8	2.4	2.8	2.6	2.5
Sulfate as SO_4 (mg/L)	3.7	3.8	3.4	3.2	3.1	3.4
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	13.1	8.2	16.9	15.1	14.1	13.5
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	9.0	6.8	BDL	BDL	BDL	4.3
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	103.0	49.4	36.8	24.2	21.1	46.9
Total Nitrogen ($\mu\text{g}/\text{L}$)	453.5	477.9	607.5	450.5	456.6	489.2
Dissolved Organic Carbon (NPOC mg/L)	4.1	4.9	5.4	5.5	5.4	5.0
Calcium (mg/L)	7.0	7.6	8.0	8.3	7.2	7.6
Sodium (mg/L)	2.5	2.6	2.6	2.7	2.5	2.6

Tupper Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Low
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Water quality values for Tupper Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/18/2022	7/17/2022	8/14/2022	Average
Laboratory pH	6.8	6.8	7.1	6.9
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	29.9	31.9	32.6	31.5
Apparent Color (mg/L Pt-Co)	27.9	43.9	27.9	33.2
CDOM ($\mu\text{g}/\text{L QSE}$)	153.3	159.2	158.4	157.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.0	0.4	2.6	1.7
Transparency (m)	2.0	2.3	2.0	2.1
Alkalinity (mg/L as CaCO_3)	5.7	5.4	7.1	6.1
Chloride (mg/L)	4.8	3.0	3.6	3.8
Sulfate as SO_4 (mg/L)	2.3	2.1	2.1	2.2
Total Phosphorus ($\mu\text{g}/\text{L as P}$)	6.2	11.9	5.5	7.9
Nitrate-Nitrite ($\mu\text{g}/\text{L as N}$)	85.7	40.6	18.9	48.4
Ammonia ($\mu\text{g}/\text{L as NH}_3\text{-N}$)	BDL	BDL	23.0	19.1
Total Nitrogen ($\mu\text{g}/\text{L}$)	270.0	335.1	229.0	278.0
Dissolved Organic Carbon (NPOC mg/L)	5.0	5.3	5.4	5.2
Calcium (mg/L)	2.7	2.5	2.8	2.7
Sodium (mg/L)	2.5	2.6	2.6	2.5

Turtle Pond- Saranac Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Moderate
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Water quality values for Turtle Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/26/2022	6/17/2022	7/15/2022	8/12/2022	9/14/2022	Average
Laboratory pH	6.3	6.5	6.6	6.5	6.1	6.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	52.2	51.7	51.0	51.0	50.9	51.4
Apparent Color (mg/L Pt-Co)	18.2	27.9	21.4	21.4	18.2	21.4
CDOM ($\mu\text{g}/\text{L QSE}$)	48.4	69.6	72.3	71.4	97.4	71.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.4	1.3	2.5	2.7	2.1	2.0
Transparency (m)	5.3	3.6	3.9	4.0	5.3	4.4
Alkalinity (mg/L as CaCO_3)	BDL	2.7	BDL	2.9	3.7	2.6
Chloride (mg/L)	11.5	12.4	11.7	11.9	12.4	12.0
Sulfate as SO_4 (mg/L)	0.8	0.7	0.6	0.7	0.7	0.7
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	11.7	11.9	9.8	15.7	10.4	11.9
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	11.2	6.9	BDL	BDL	BDL	4.1
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	301.0	308.5	295.1	308.4	292.6	301.1
Dissolved Organic Carbon (NPOC mg/L)	2.8	3.4	3.3	3.6	3.3	3.3
Calcium (mg/L)	1.1	1.2	1.1	1.2	3.2	1.5
Sodium (mg/L)	8.0	7.9	8.1	7.9	8.0	8.0

Turtle Pond-St. Regis Canoe Area

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Turtle Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/30/2022	6/15/2022	7/11/2022	9/2/2022	9/28/2022	Average
Laboratory pH	6.7	6.9	6.9	6.9	6.7	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	18.7	18.6	18.2	20.1	21.8	19.5
Apparent Color (mg/L Pt-Co)	21.4	18.2	24.6	18.2	27.9	22.1
CDOM ($\mu\text{g}/\text{L QSE}$)	41.6	58.2	77.6	63.9	63.9	61.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.0	0.8	1.1	1.9	3.8	1.7
Transparency (m)	6.3	5.2	5.0	5.3	4.5	5.2
Alkalinity (mg/L as CaCO_3)	5.6	5.7	5.5	7.2	8.5	6.5
Chloride (mg/L)	BDL	1.6	BDL	0.6	BDL	0.7
Sulfate as SO_4 (mg/L)	2.3	2.4	2.3	2.5	2.2	2.3
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.8	3.8	3.6	4.1	4.4	4.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	199.2	156.4	186.8	194.7	154.7	178.4
Dissolved Organic Carbon (NPOC mg/L)	3.2	3.9	3.9	3.7	3.6	3.7
Calcium (mg/L)	2.2	2.1	2.1	2.4	2.5	2.3
Sodium (mg/L)	0.7	0.7	0.7	0.8	0.8	0.7

Twitchell Lake

Trophic State Oligotrophic	Acidity Acidic (acceptable)	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Twitchell Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/17/2022	8/13/2022	Average
Laboratory pH	6.2	6.3	6.7	6.4
Sp. Conductance (µS/cm@25 C)	12.0	11.4	12.1	11.8
Apparent Color (mg/L Pt-Co)	37.5	31.1	34.3	34.3
CDOM (µg/L QSE)	157.3	150.5	139.9	149.2
Chlorophyll-a (µg/L)	1.9	2.5	3.0	2.5
Transparency (m)	N/A	2.8	3.0	2.9
Alkalinity (mg/L as CaCO ₃)	BDL	BDL	3.1	2.1
Chloride (mg/L)	BDL	BDL	BDL	BDL
Sulfate as SO ₄ (mg/L)	1.8	1.6	1.8	1.8
Total Phosphorus (µg/L as P)	8.7	6.9	7.9	7.8
Nitrate-Nitrite (µg/L as N)	7.5	BDL	7.3	5.8
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	BDL
Total Nitrogen (µg/L)	203.3	196.6	216.4	205.4
Dissolved Organic Carbon (NPOC mg/L)	4.9	5.0	4.9	4.9
Calcium (mg/L)	1.1	1.1	1.2	1.1
Sodium (mg/L)	0.6	0.6	0.6	0.6

Union Falls Reservoir

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Union Falls Reservoir during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/28/2022	6/24/2022	7/22/2022	8/19/2022	9/11/2022	Average
Laboratory pH	7.2	7.3	7.1	7.5	7.6	7.3
Sp. Conductance (µS/cm@25 C)	73.6	80.6	83.7	91.1	93.9	84.6
Apparent Color (mg/L Pt-Co)	66.5	63.2	79.3	50.4	56.8	63.2
CDOM (µg/L QSE)	184.9	196.5	217.6	202.1	168.6	194.0
Chlorophyll-a (µg/L)	8.3	6.5	4.2	5.2	4.8	5.8
Transparency (m)	0.8	1.4	1.4	1.3	N/A	1.2
Alkalinity (mg/L as CaCO ₃)	15.0	16.5	14.3	19.2	20.6	17.1
Chloride (mg/L)	10.4	11.9	12.2	13.2	14.4	12.4
Sulfate as SO ₄ (mg/L)	3.6	3.5	3.2	3.3	3.6	3.4
Total Phosphorus (µg/L as P)	23.5	18.3	18.8	21.1	12.9	18.9
Nitrate-Nitrite (µg/L as N)	BDL	25.2	30.1	24.2	BDL	16.7
Ammonia (µg/L as NH ₃ -N)	31.7	25.8	23.2	BDL	BDL	20.5
Total Nitrogen (µg/L)	285.3	334.6	323.0	263.9	269.9	295.3
Dissolved Organic Carbon (NPOC mg/L)	6.0	6.7	7.3	6.3	6.1	6.5
Calcium (mg/L)	5.6	5.7	6.4	6.7	6.5	6.2
Sodium (mg/L)	7.0	6.8	7.9	7.9	8.4	7.6

Upper Chateaugay Lake

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence Moderate
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Water quality values for Upper Chateaugay Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/25/2022	7/16/2022	8/20/2022	Average
Laboratory pH	7.7	7.6	7.7	7.7
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	75.7	78.5	81.2	78.5
Apparent Color (mg/L Pt-Co)	31.1	37.5	24.6	31.1
CDOM ($\mu\text{g}/\text{L QSE}$)	160.8	159.9	143.5	154.7
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.8	2.2	1.9	2.0
Transparency (m)	3.5	4.8	3.9	4.1
Alkalinity (mg/L as CaCO_3)	24.4	23.5	29.0	25.6
Chloride (mg/L)	6.1	6.1	6.2	6.1
Sulfate as SO_4 (mg/L)	3.2	3.1	3.1	3.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.5	8.2	7.3	7.6
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	5.0	BDL	BDL	2.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	22.4	26.9	BDL	20.4
Total Nitrogen ($\mu\text{g}/\text{L}$)	257.7	282.7	244.3	261.6
Dissolved Organic Carbon (NPOC mg/L)	5.5	6.1	5.4	5.6
Calcium (mg/L)	7.5	7.8	8.2	7.8
Sodium (mg/L)	4.4	4.6	4.4	4.5

West Caroga Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for West Caroga Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/17/2022	7/17/2022	8/12/2022	Average
Laboratory pH	7.5	7.5	7.3	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	93.5	98.2	100.6	97.4
Apparent Color (mg/L Pt-Co)	31.1	21.4	24.6	25.7
CDOM ($\mu\text{g}/\text{L QSE}$)	127.8	106.7	118.8	117.8
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.9	0.8	2.1	2.3
Transparency (m)	3.2	6.1	4.8	4.7
Alkalinity (mg/L as CaCO_3)	14.9	14.5	18.0	15.8
Chloride (mg/L)	17.0	17.2	18.2	17.5
Sulfate as SO_4 (mg/L)	2.6	2.4	2.7	2.6
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	5.2	3.3	4.3	4.3
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	197.5	203.5	228.5	209.8
Dissolved Organic Carbon (NPOC mg/L)	4.5	4.6	4.7	4.6
Calcium (mg/L)	5.7	6.0	6.3	6.0
Sodium (mg/L)	10.5	11.2	11.6	11.1

West Lake

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Moderate
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Water quality values for West Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/20/2022	7/20/2022	8/15/2022	Average
Laboratory pH	6.6	7.1	7.1	7.0
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	51.3	54.6	60.7	55.5
Apparent Color (mg/L Pt-Co)	56.8	40.7	53.6	50.4
CDOM ($\mu\text{g}/\text{L QSE}$)	169.7	153.7	163.9	162.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.3	3.2	2.7	2.7
Transparency (m)	1.8	3.2	3.2	2.7
Alkalinity (mg/L as CaCO_3)	3.6	4.5	7.2	5.1
Chloride (mg/L)	9.9	10.4	12.0	10.8
Sulfate as SO_4 (mg/L)	2.1	1.8	2.1	2.0
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.2	6.7	8.6	7.5
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	217.2	214.1	197.5	209.6
Dissolved Organic Carbon (NPOC mg/L)	5.2	5.5	5.3	5.3
Calcium (mg/L)	2.2	2.3	2.6	2.3
Sodium (mg/L)	6.7	7.3	7.9	7.3

Whey Pond

Trophic State Mesotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Not Significant
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Water quality values for Whey Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	5/24/2022	6/15/2022	7/11/2022	8/15/2022	9/5/2022	Average
Laboratory pH	7.1	7.4	7.3	7.4	7.0	7.2
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	35.9	36.1	35.0	36.7	36.7	36.1
Apparent Color (mg/L Pt-Co)	18.2	15.0	15.0	31.1	40.7	24.0
CDOM ($\mu\text{g}/\text{L QSE}$)	17.5	21.3	48.6	49.9	59.7	39.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	1.2	2.4	2.2	8.1	12.0	5.2
Transparency (m)	5.3	4.8	4.0	2.8	1.9	3.7
Alkalinity (mg/L as CaCO_3)	15.2	16.3	15.2	17.4	17.8	16.4
Chloride (mg/L)	BDL	1.8	BDL	BDL	BDL	0.7
Sulfate as SO_4 (mg/L)	2.5	2.5	2.3	1.9	2.0	2.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	7.5	9.2	10.5	13.9	34.7	15.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	BDL	BDL	BDL
Total Nitrogen ($\mu\text{g}/\text{L}$)	207.8	253.2	232.2	241.7	297.0	246.4
Dissolved Organic Carbon (NPOC mg/L)	3.0	3.2	3.2	3.1	3.0	3.1
Calcium (mg/L)	3.9	4.1	3.9	4.1	4.1	4.0
Sodium (mg/L)	1.1	1.1	1.1	1.1	1.1	1.1

White Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence High
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Water quality values for White Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/16/2022	8/13/2022	Average
Laboratory pH	7.7	7.4	7.3	7.5
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	205.0	206.0	208.0	206.3
Apparent Color (mg/L Pt-Co)	8.6	8.6	8.6	8.6
CDOM ($\mu\text{g}/\text{L QSE}$)	55.4	32.6	24.2	37.4
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.1	0.9	1.6	0.9
Transparency (m)	7.5	6.8	6.8	7.0
Alkalinity (mg/L as CaCO_3)	18.2	16.3	20.1	18.2
Chloride (mg/L)	48.2	47.0	49.2	48.1
Sulfate as SO_4 (mg/L)	4.2	4.0	4.2	4.1
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	BDL	3.1	3.1	3.0
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	58.4	27.1	6.3	30.6
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	BDL	BDL	17.1
Total Nitrogen ($\mu\text{g}/\text{L}$)	306.0	221.9	205.4	244.4
Dissolved Organic Carbon (NPOC mg/L)	2.9	2.9	2.9	2.9
Calcium (mg/L)	9.5	9.9	9.4	9.6
Sodium (mg/L)	28.3	29.3	27.3	28.3

Windover Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Adequate	Road Salt Influence Moderate
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Water quality values for Windover Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/20/2022	8/20/2022	Average
Laboratory pH	7.4	7.3	7.4	7.4
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	89.7	91.3	110.9	97.3
Apparent Color (mg/L Pt-Co)	37.5	31.1	69.7	46.1
CDOM ($\mu\text{g}/\text{L QSE}$)	175.3	180.8	193.0	183.0
Chlorophyll-a ($\mu\text{g}/\text{L}$)	3.6	0.1	6.1	3.2
Transparency (m)	1.4	1.7	1.5	1.5
Alkalinity (mg/L as CaCO_3)	18.9	20.2	26.3	21.8
Chloride (mg/L)	18.9	15.1	17.3	17.1
Sulfate as SO_4 (mg/L)	2.8	2.3	2.6	2.5
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	10.3	14.2	18.0	14.2
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	1.4
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	23.1	BDL	BDL	17.2
Total Nitrogen ($\mu\text{g}/\text{L}$)	244.0	297.0	347.5	296.2
Dissolved Organic Carbon (NPOC mg/L)	4.7	5.6	7.1	5.8
Calcium (mg/L)	6.3	7.2	8.0	7.1
Sodium (mg/L)	9.5	11.0	11.5	10.7

Wolf Lake

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Wolf Lake during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/24/2022	7/19/2022	8/12/2022	Average
Laboratory pH	7.0	6.8	7.2	7.0
Sp. Conductance (µS/cm@25 C)	18.7	18.3	19.2	18.7
Apparent Color (mg/L Pt-Co)	27.9	18.2	31.1	25.7
CDOM (µg/L QSE)	70.6	62.4	95.0	76.0
Chlorophyll-a (µg/L)	1.5	1.5	2.0	1.7
Transparency (m)	3.5	4.5	3.8	3.9
Alkalinity (mg/L as CaCO ₃)	5.1	4.2	6.5	5.3
Chloride (mg/L)	BDL	BDL	BDL	0.4
Sulfate as SO ₄ (mg/L)	2.5	2.2	2.5	2.4
Total Phosphorus (µg/L as P)	4.4	3.4	6.0	4.6
Nitrate-Nitrite (µg/L as N)	72.0	34.0	BDL	35.3
Ammonia (µg/L as NH ₃ -N)	BDL	BDL	BDL	15.5
Total Nitrogen (µg/L)	244.9	197.1	240.1	227.4
Dissolved Organic Carbon (NPOC mg/L)	3.5	3.5	4.0	3.6
Calcium (mg/L)	2.1	2.1	2.2	2.2
Sodium (mg/L)	0.7	0.8	0.8	0.8

Zack Pond

Trophic State Oligotrophic	Acidity Circumneutral	Acid Neutralizing Capacity Moderate	Road Salt Influence Not Significant
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Water quality values for Zack Pond during the 2022 sampling season. BDL=below detection limit.

Water Quality Indicator	6/29/2022	7/30/2022	8/20/2022	Average
Laboratory pH	6.8	6.7	7.0	6.8
Sp. Conductance ($\mu\text{S}/\text{cm}@25\text{ C}$)	15.1	15.4	15.7	15.4
Apparent Color (mg/L Pt-Co)	18.2	15.0	15.0	16.1
CDOM ($\mu\text{g}/\text{L QSE}$)	29.6	46.3	79.9	51.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	0.9	1.0	0.8	0.9
Transparency (m)	6.0	6.3	7.0	6.4
Alkalinity (mg/L as CaCO_3)	4.7	5.0	5.9	5.2
Chloride (mg/L)	0.6	BDL	BDL	0.4
Sulfate as SO_4 (mg/L)	1.8	1.7	1.9	1.8
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	4.0	4.3	4.0	4.1
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	0.9
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	26.3	BDL	BDL	17.0
Total Nitrogen ($\mu\text{g}/\text{L}$)	191.3	185.5	183.6	186.8
Dissolved Organic Carbon (NPOC mg/L)	2.9	3.1	3.4	3.1
Calcium (mg/L)	1.6	1.7	1.7	1.7
Sodium (mg/L)	0.6	0.7	0.7	0.7