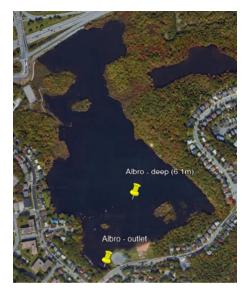


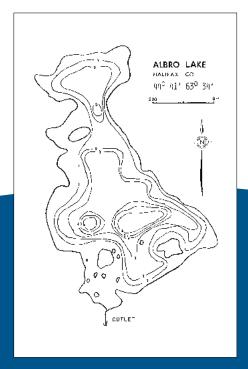
Parameter	Spring 2022 5/12/2022	Summer 2022 8/22/2022	Spring 2023 4/21/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Community-led	n/a
рН	7.86	8.52	6.60	7.21	6.5 to 9.0
Dissolved Oxygen at Surface	10.17 mg/L	8.94 mg/L	11.09 mg/L	7.82 mg/L	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet)	110 mg/L	110 mg/L	100 mg/L	81 mg/L	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth	110 mg/L	110 mg/L	100 mg/L	86 mg/L	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface	3.20 μg/L	ND	2.70 μg/L	2.60 μg/L	*See Table 5
Total Phosphorus at Depth	3.9 μg/L	12.0 μg/L	3.5 μg/L	1.2 μg/L	*See Table 5
Chlorophyll- a at Surface	1.65 μg/L	1.78 μg/L	5.19 μg/L	4.47 μg/L	*See Table 5
E. coli at Surface (CFU/100ml)	ND	36	6	56	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS chlorophyl-a Framework

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Satellite Imagery Map of Albro Lake w/ Sampling Locations







Parameter	Spring 2022 5/12/2022	Summer 2022 8/22/2022	Spring 2023 4/21/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.19	6.24	5.57	4.96	6.5 to 9.0
Dissolved Oxygen at Surface	9.52 mg/L	8.19 mg/L	10.36 mg/L	7.80 mg/L	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet)	8.6 mg/L	10.0 mg/L	8.3 mg/L	8.3 mg/L	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth	8.7 mg/L	9.8 mg/L	8.7 mg/L	8.2 mg/L	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface	7.40 μg/L	6.60	8.30 μg/L	11.0 μg/L	*See Table 5
Total Phosphorus at Depth	7.9 μg/L	150.0 μg/L	12.0 μg/L	16.0 μg/L	*See Table 5
Chlorophyll- a at Surface	2.68 μg/L	5.30 μg/L	1.93 μg/L	1.10 μg/L	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	10	≥ 235 CFU/100ml





Satellite Imagery Map of Albert Bridge Lake w/ Sampling Locations



Bathymetry Map of Albert Bridge Lake

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Parameter	Spring 2022 12/5/2022	Summer 2022 16/8/2022	Spring 2023 24/4/2023	Summer 2023 10/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.81	8.05	6.36	6.48	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.43	8.66	11.66	7.73	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	9.2	11.0	10.0	7.3	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	9.7	11.0	11.0	11.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	5.1	ND	4.1	3.4	*See Table 5
Total Phosphorus at Depth (µg/l)	3.8	2.0	2.2	5.8	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.95	3.25	3.66	9.23	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	16.0	≥ 235 CFU/100ml

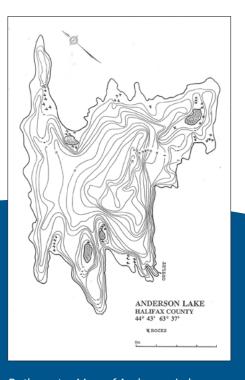
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Anderson Lake w/ Sampling Locations

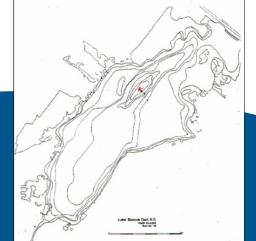




Parameter	Spring 2022 4/27/2022	Summer 2022 8/16/2022	Spring 2023 4/18/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Collaborative	Collaborative	n/a
рН	8.06	7.96	7.99	7.50	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.15	8.69	11.91	7.01	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	240	230	180	130	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (Outlet) (mg/l)	240	240	180	200	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.40	ND	1.80	3.40	*See Table 5
Total Phosphorus at Depth (µg/l)	4.2	110.0	1.8	300.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.54	5.97	0.75	0.41	*See Table 5
E. coli at Surface (CFU/100ml)	10	46	ND	22	≥ 235 CFU/100ml

Banook - deep (12m)
Oat Hill Lak
Oathill - Outlet

Satellite Imagery Map of Lake Banook w/ Sampling Locations



Bathymetry Map of Lake Banook

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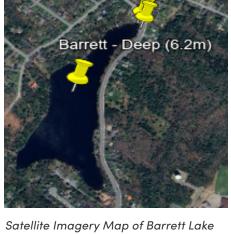
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS chlorophyl-a Framework



Parameter	Spring 2022 5/5/2022	Summer 2022 8/24/2022	Spring 2023 4/25/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	6.93	7.18	6.93	7.08	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	14.47	8.23	10.94	7.56	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	64	67	59	32	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	71	73	58	51	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.2	2.2	3.5	10.0	*See Table 5
Total Phosphorus at Depth (µg/l)	5.0	7.6	5.5	13.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.94	2.35	1.97	3.23	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	2.0	ND	4.0	≥ 235 CFU/100ml

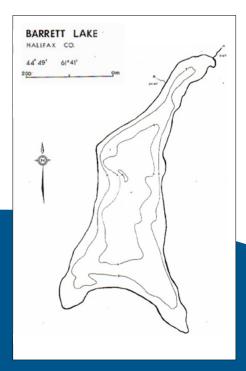
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS chlorophyl-a Framework





Barrett - Outlet Barrett Lake

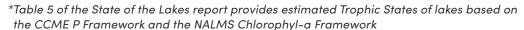
w/ Sampling Locations





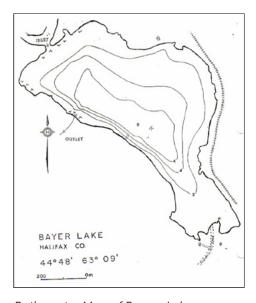


Parameter	Spring 2022 5/25/2022	Summer 2022 8/26/2022	Spring 2023 4/21/2023	Summer 2023 8/11/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.12	6.19	6.01	6.59	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.07	7.90	10.53	8.00	Early life stages: >9.5 mg/L Other life stages
Dissolved Chloride at Surface (Outlet) (mg/l)	180	170	170	71	>6.5 mg/L Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	190	170	170	76	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	1.9	1.7	2.1	2.7	*See Table 5
Total Phosphorus at Depth (µg/l)	3.3	3.9	3.2	3.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.482	1.04	0.34	1.27	*See Table 5
E. coli at Surface (CFU/100ml)	12	78	4	190	≥ 235 CFU/100ml





Satellite Imagery Map of Bayers Lake w/ Sampling Locations



Bathymetry Map of Bayers Lake

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Parameter	Spring 2022 5/9/2022	Summer 2022 8/26/2022	Spring 2023 4/26/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	8.34	7.07	6.63	6.78	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.93	8.14	11.26	8.78	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	44.0	44.0	45.0	7.3	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	44.0	46.0	46.0	8.8	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	7.60	6.60	3.90	12.0	*See Table 5
Total Phosphorus at Depth (µg/l)	12.0	16.0	10.0	7.6	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.28	5.34	2.95	10.1	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	4.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS chlorophyl-a Framework





Satellite Imagery Map of Beaver Pond w/ Sampling Locations



Bathymetry Map of Beaver Pond





Beaver Bank Lake,

Middle Beaver Bank, Nova Scotia

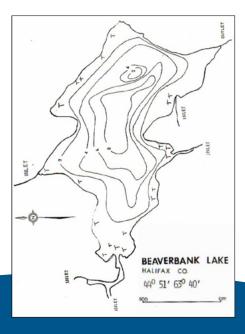
Parameter	Spring 2022 5/9/2022	Summer 2022 8/24/2022	Spring 2023 4/25/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.26	7.42	6.80	6.34	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.98	8.71	10.87	8.09	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	8.1	8.2	8.9	2.7	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	8.2	8.5	9.0	5.2	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	8.7	1.9	5.9	ND	*See Table 5
Total Phosphorus at Depth (µg/l)	6.7	8.6	4.6	18.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.83	4.17	3.34	4.10	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	2.0	ND	2.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS chlorophyl-a Framework





Satellite Imagery Map of Beaver Bank Lake w/ Sampling Locations



Bathymetry Map of Beaver Bank Lake





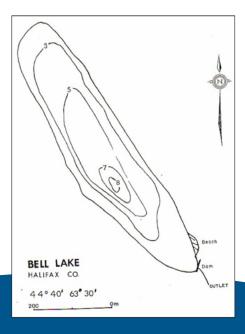
Parameter	Spring 2022 6/5/2022	Summer 2022 15/8/2022	Spring 2023 17/4/2023	Summer 2023 4/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	7.74	6.80	7.50	6.80	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.66	7.85	11.54	7.08	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	12	11	10	11	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	11	11	10	11	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.5	ND	2.4	5.5	*See Table 5
Total Phosphorus at Depth (µg/l)	2.8	9.9	2.7	5.8	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.85	4.75	1.78	2.58	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	48.0	ND	6.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Bell Lake w/ Sampling Locations

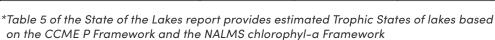


Bathymetry Map of Bell Lake



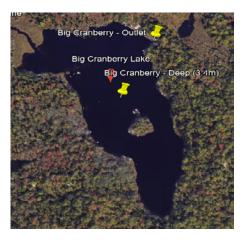


Parameter	Spring 2022 5/11/2022	Summer 2022 8/22/2022	Spring 2023 5/4/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	4.98	6.0	4.41	4.55	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.44	8.01	10.13	6.36	Early life stages: >9.5 mg/L Other life stages
Dissolved Chloride at Surface (Outlet) (mg/l)	3.4	4.1	3.8	14.0	>6.5 mg/L Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	3.5	4.5	3.8	37.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	5.40	ND	ND	14.0	*See Table 5
Total Phosphorus at Depth (µg/l)	ND	ND	ND	22	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.21	4.18	0.69	9.86	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	10.0	≥ 235 CFU/100ml









Satellite Imagery Map of Big Cranberry Lake w/ Sampling Locations



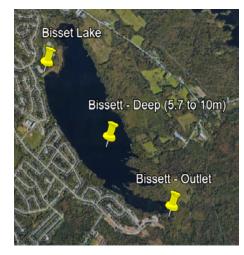
Bathymetry Map of Big Cranberry Lake



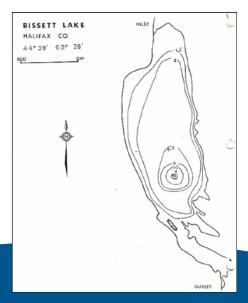
Parameter	Spring 2022 5/5/2022	Summer 2022 8/25/2022	Spring 2023 4/27/2023	Summer 2023 8/17/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Collaborative	Volunteers	n/a
рН	7.47	7.76	6.66	7.62	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	14.42	8.45	11.03	8.30	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	130	110	150	65	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	140	110	150	100	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	7.1	16.0	7.5	15.0	*See Table 5
Total Phosphorus at Depth (µg/l)	9.5	19.0	6.1	37.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.29	2.17	0.13	6.54	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	6.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Bissett Lake w/ Sampling Locations



Bathymetry Map of Bissett Lake





Parameter	Spring 2022 5/13/2022	Summer 2022 8/16/2022	Spring 2023 4/17/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Collaborative	n/a
рН	5.96	5.95	5.51	5.63	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.04	7.70	10.00	6.81	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	28.0	27.0	26.0	11.0	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	28.0	29.0	27.0	11.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	18.0	12.0	6.5	23.0	*See Table 5
Total Phosphorus at Depth (µg/l)	7.2	13.0	8.1	ND	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.75	3.94	1.28	7.16	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	ND	10.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Black Point Lake w/ Sampling Locations



Bathymetry Map of Black Point Lake



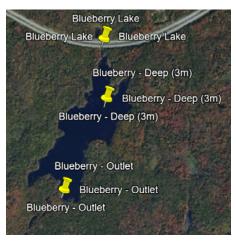


Parameter	Spring 2022 5/25/2022	Summer 2022 8/25/2022	Spring 2023 4/26/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.17	5.37	5.37	5.02	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.59	7.92	10.26	6.75	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	28	21	27	11	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	30	21	29	11	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	ND	13.0	6.1	15.0	*See Table 5
Total Phosphorus at Depth (µg/l)	ND	26.0	8.8	13.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.47	4.36	0.91	1.55	*See Table 5
E. coli at Surface (CFU/100ml)	ND	6.0	ND	4.0	≥ 235 CFU/100ml

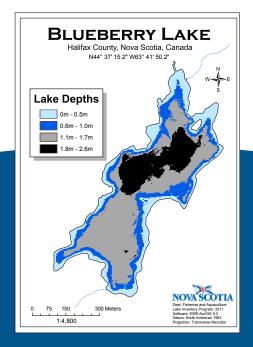
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework

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Satellite Imagery Map of Blueberry Lake w/ Sampling Locations





Parameter	Spring 2022 4/29/2022	Summer 2022 8/16/2022	Spring 2023 4/18/2023	Summer 2023 8/10/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Collaborative	n/a
рН	8.32	7.51	7.50	7.22	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.89	8.29	12.04	7.95	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	62	66	58	47	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	64	66	60	58	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.2	ND	1.5	3.6	*See Table 5
Total Phosphorus at Depth (µg/l)	3.8	ND	1.7	3.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	6.48	2.35	1.68	5.07	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	ND	32.0	≥ 235 CFU/100ml

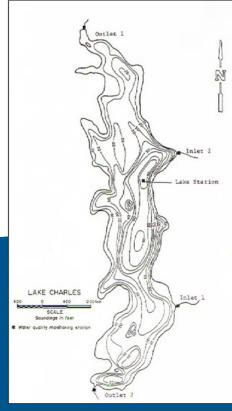
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Lake Charles w/ Sampling Locations



Bathymetry Map of Lake Charles



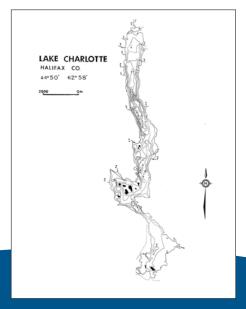
Parameter	Spring 2022 5/17/2022	Summer 2022 8/25/2022	Spring 2023 4/27/2023	Summer 2023 8/17/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.64	5.72	5.60	5.66	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.48	8.16	12.32	7.91	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	4.7	4.0	4.8	4.5	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	4.5	4.0	4.5	4.6	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.6	3.6	4.8	3.9	*See Table 5
Total Phosphorus at Depth (µg/l)	5.4	9.8	3.4	4.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.15	6.98	0.25	2.61	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	ND	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Lake Charlotte w/ Sampling Locations



Bathymetry Map of Lake Charlotte

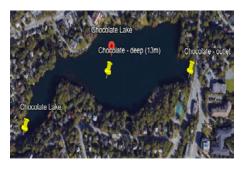




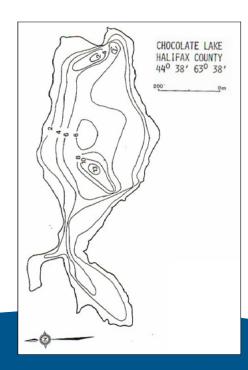
Parameter	Spring 2022 5/2/2022	Summer 2022 8/18/2022	Spring 2023 4/19/2023	Summer 2023 8/10/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Collaborative	Collaborative	n/a
рН	5.67	5.70	6.03	6.82	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.26	8.05	11.09	8.28	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	100	100	120	60	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	110	160	120	89	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.0	ND	ND	2.4	*See Table 5
Total Phosphorus at Depth (µg/l)	7.1	1.1	1.6	1.3	*See Table 5
Chlorophyll – a at Surface (µg/L)	6.63	0.74	0.02	2.20	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	8.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Chocolate Lake w/ Sampling Locations



Bathymetry Map of Chocolate Lake





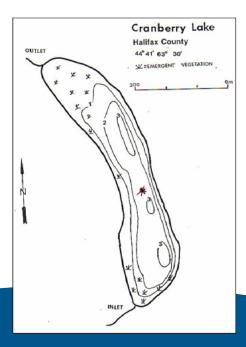
Parameter	Spring 2022 4/28/2022	Summer 2022 8/12/2022	Spring 2023 4/18/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.19	7.47	7.04	7.42	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.55	7.45	10.78	8.57	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	150	110	110	53	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	160	110	120	44	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	7.1	3.1	2.2	25.0	*See Table 5
Total Phosphorus at Depth (µg/l)	13.0	25.0	5.4	15.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.94	6.18	0.80	3.95	*See Table 5
E. coli at Surface (CFU/100ml)	10.0	2.0	2.0	12.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Cranberry Lake w/ Sampling Locations



Bathymetry Map of Cranberry Lake





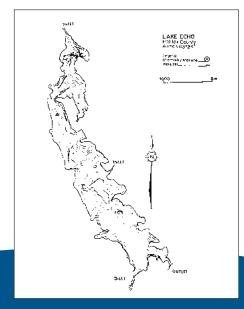
Parameter	Spring 2022 5/16/2022	Summer 2022 8/30/2022	Spring 2023 5/3/2023	Summer 2023 8/22/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.79	7.06	5.69	5.36	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.43	8.16	10.62	7.05	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	5.8	6.6	5.6	4.4	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	6.1	7.2	6.6	7.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.4	11.0	5.0	11.0	*See Table 5
Total Phosphorus at Depth (µg/l)	6.0	16.0	6.3	22.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	4.22	9.48	1.59	4.09	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	2.0	2.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Lake Echo w/ Sampling Locations



Bathymetry Map of Lake Echo





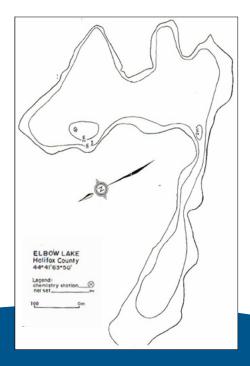
Parameter	Spring 2022 5/12/2022	Summer 2022 8/29/2022	Spring 2023 4/20/2023	Summer 2023 8/10/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.36	6.70	6.70	6.53	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.18	8.59	11.33	7.89	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	47	42	45	18	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	42	38	42	15	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	13.0	5.8	7.9	15.0	*See Table 5
Total Phosphorus at Depth (µg/l)	24.0	5.5	12.0	16.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	48.90	5.99	7.40	23.70	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	18	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Elbow Lake



Bathymetry Map of Ellbow Lake



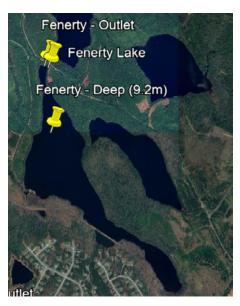


Parameter	Spring 2022 5/5/2022	Summer 2022 8/24/2022	Spring 2023 4/25/2023	Summer 2023 8/21/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.21	8.75	6.73	6.44	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	14.22	9.60	10.99	8.08	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	14.0	15.0	13.0	9.6	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	13.0	13.0	14.0	12.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	15.0	17.0	11.0	22.0	*See Table 5
Total Phosphorus at Depth (µg/l)	20.0	17.0	14.0	79.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	15.9	45.8	6.19	7.1	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	ND	20.0	≥ 235 CFU/100ml

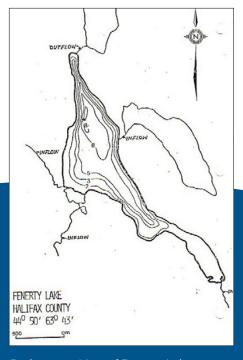
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Fenerty Lake w/ Sampling Locations



Bathymetry Map of Fenerty Lake



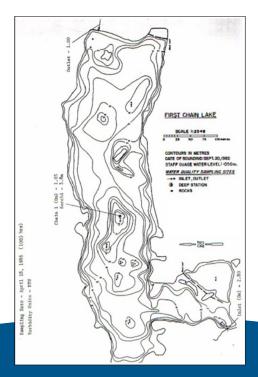
Parameter	Spring 2022 5/19/2022	Summer 2022 8/26/2022	Spring 2023 4/28/2023	Summer 2023 8/21/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	4.69	4.42	4.84	4.76	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.51	8.44	10.66	8.40	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	73	80	63	55	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	71	80	63	55	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	ND	1.1	ND	ND	*See Table 5
Total Phosphorus at Depth (µg/l)	ND	1.2	3.8	1.1	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.44	0.45	0.16	0.50	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	ND	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of First Chain Lake w/ Sampling Locations



Bathymetry Map of First Chain Lake





Parameter	Spring 2022 10/5/2022	Summer 2022 16/8/2022	Spring 2023 25/4/2023	Summer 2023 22/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Volunteers	Volunteers	Volunteers	n/a
рН	8.58	7.94	8.40	7.63	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.01	7.63	10.98	8.66	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	140	120	120	83	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	140	120	120	120	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	7.1	ND	5.7	5.4	*See Table 5
Total Phosphorus at Depth (µg/l)	8.9	8.1	5.3	5.4	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.63	2.42	15.1	7.99	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	6.0	≥ 235 CFU/100ml

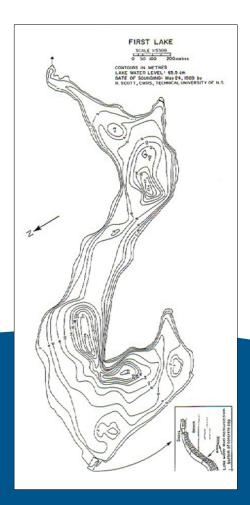
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of First Lake w/ Sampling Locations





Parameter	Spring 2022 5/2/2022	Summer 2022 8/15/2022	Spring 2023 4/17/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	6.29	5.81	7.22	5.84	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.04	7.74	11.07	7.55	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	18	19	14	13	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	19	18	18	17	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	9.0	29.0	7.4	12.0	*See Table 5
Total Phosphorus at Depth (µg/l)	8.3	19.0	6.8	70.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	4.23	2.36	2.75	4.08	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	2.0	2.0	≥ 235 CFU/100ml

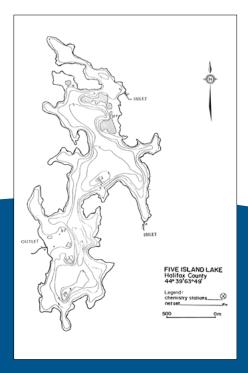
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Five Islands Lake w/ Sampling Locations



Bathymetry Map of Five Islands Lake

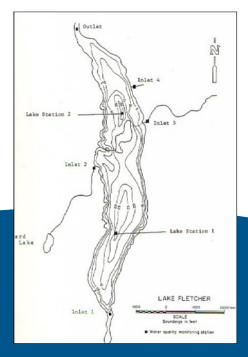


Parameter	Spring 2022 5/2/2022	Summer 2022 8/15/2022	Spring 2023 4/17/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.55	7.27	7.28	6.84	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.14	8.22	11.30	7.36	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	40	39	37	27	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	34	39	38	36	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.8	ND	5.3	5.4	*See Table 5
Total Phosphorus at Depth (µg/l)	5.3	ND	6.3	ND	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.32	3.72	1.13	3.74	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	ND	86.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



Satellite Imagery Map of Fletchers Lake w/ Sampling Locations



Bathymetry Map of Fletchers Lake



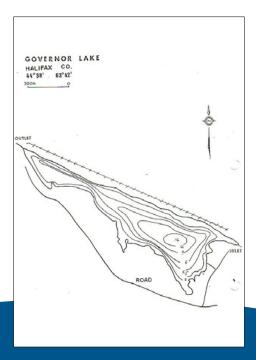
Parameter	Spring 2022 5/2/2022	Summer 2022 8/26/2022	Spring 2023 4/26/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Collaborative	Collaborative	n/a
рН	6.71	7.12	6.65	7.18	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.24	8.22	10.99	7.47	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	150	130	120	63	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	150	150	120	120	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	5.1	2.5	2.8	7.6	*See Table 5
Total Phosphorus at Depth (µg/l)	5.4	8.6	6.9	15.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.75	2.69	2.72	4.32	*See Table 5
E. coli at Surface (CFU/100ml)	ND	12	ND	40	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Governor Lake w/ Sampling Locations



Bathymetry Map of Governor Lake



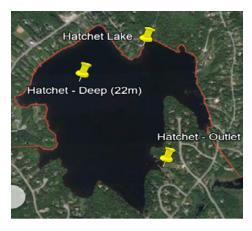


Parameter	Spring 2022 5/6/2022	Summer 2022 9/1/2022	Spring 2023 5/2/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	8.84	6.70	8.13	6.52	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.09	8.29	11.54	8.28	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	28	28	28	27	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	24	27	28	29	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.6	4.0	9.4	2.7	*See Table 5
Total Phosphorus at Depth (µg/l)	3.0	7.7	2.9	6.7	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.59	1.86	0.61	4.12	*See Table 5
E. coli at Surface (CFU/100ml)	ND	14.0	14.0	2.0	≥ 235 CFU/100ml

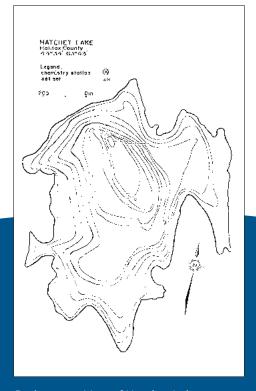
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Hatchet Lake w/ Sampling Locations



Bathymetry Map of Hatchet Lake



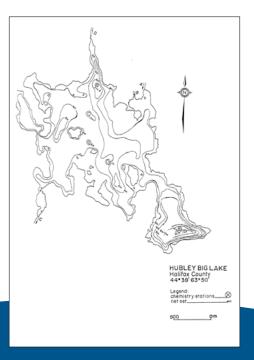
Parameter	Spring 2022 5/2/2022	Summer 2022 8/15/2022	Spring 2023 4/17/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.64	5.45	5.10	5.58	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.10	8.18	10.92	7.91	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	13.0	12.0	12.0	11.0	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	6.6	6.4	8.0	12.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.9	4.4	6.3	13.0	*See Table 5
Total Phosphorus at Depth (µg/l)	7.6	23.0	9.6	38.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.80	4.28	1.85	8.55	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	2.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Hubley Big Lake w/ Sampling Locations



Bathymetry Map of Hubley Big Lake





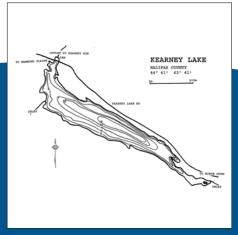
Parameter	Spring 2022 5/4/2022	Summer 2022 8/18/2022	Spring 2023 4/24/2023	Summer 2023 8/29/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Volunteers	Volunteers	n/a
рН	7.46	6.89	7.10	6.83	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.11	8.49	10.65	6.77	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	65	70	62	29	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	67	67	60	58	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.0	ND	4.6	2.7	*See Table 5
Total Phosphorus at Depth (µg/l)	1.9	ND	4.4	3.4	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.79	1.80	0.41	1.24	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	4.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Kearney Lake w/ Sampling Locations



Bathymetry Map of Kearney Lake





Parameter	Spring 2022 4/29/2022	Summer 2022 8/19/2022	Spring 2023 4/20/2023	Summer 2023 8/9/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.61	7.01	6.26	6.53	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.41	7.96	10.58	7.66	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	6.1	6.1	5.2	4.6	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	6.3	6.5	5.0	6.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.0	14.0	4.7	6.8	*See Table 5
Total Phosphorus at Depth (µg/l)	2.9	16.0	9.7	16.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.6	1.2	0.8	2.2	*See Table 5
E. coli at Surface (CFU/100ml)	ND	8.0	4.0	250	≥ 235 CFU/100ml

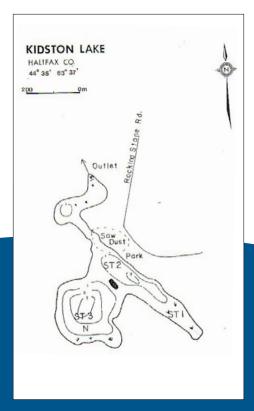
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Kidston Lake Spryfield w/ Sampling Locations



Bathymetry Map of Kidston Lake



Parameter	Spring 2022 5/2/2022	Summer 2022 8/15/2022	Spring 2023 4/17/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.35	7.13	6.62	6.58	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.73	8.08	11.39	6.90	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	11.00	18.00	16.00	9.70	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	24.0	21.0	19.0	18.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	8.3	ND	5.2	13.0	*See Table 5
Total Phosphorus at Depth (µg/l)	6.8	4.2	4.5	5.1	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.44	3.93	1.66	7.50	*See Table 5
E. coli at Surface (CFU/100ml)	ND	6.0	ND	4.0	≥ 235 CFU/100ml

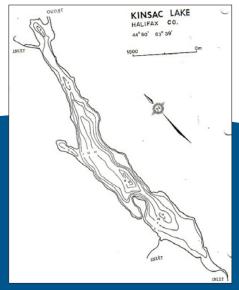
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Kinsac Lake w/ Sampling Locations



Bathymetry Map of Kinsac Lake



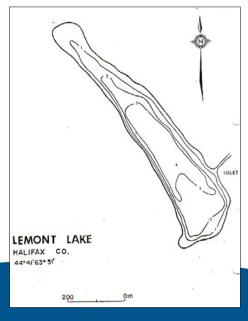
Parameter	Spring 2022 5/6/2022	Summer 2022 8/15/2022	Spring 2023 4/17/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.21	6.74	7.84	6.24	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	12.46	7.81	11.37	7.61	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	12	12	11	10	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	12.0	12.0	11.0	7.7	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.4	ND	ND	4.0	*See Table 5
Total Phosphorus at Depth (µg/l)	1.7	ND	1.6	4.9	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.82	1.33	0.56	2.78	*See Table 5
E. coli at Surface (CFU/100ml)	ND	20	ND	22	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Lemont Lake w/ Sampling Locations



Bathymetry Map of Lemont Lake

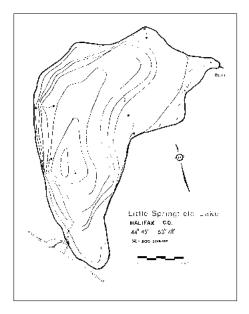




Parameter	Spring 2022 5/3/2022	Summer 2022 8/18/2022	Spring 2023 4/19/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.32	6.60	6.41	6.75	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	12.40	7.67	10.82	8.37	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	74	72	63	43	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	74	72	61	61	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	5.6	ND	3.7	5.3	*See Table 5
Total Phosphorus at Depth (µg/l)	5.1	4.4	4.6	ND	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.14	2.02	0.89	7.43	*See Table 5
E. coli at Surface (CFU/100ml)	ND	12	ND	6.0	≥ 235 CFU/100ml



Satellite Imagery Map of Little Springfield Lake w/ Sampling Locations



Bathymetry Map of Little Springfield Lake

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^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



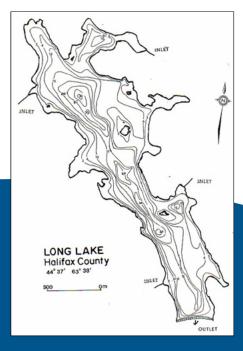
Parameter	Spring 2022 5/11/2022	Summer 2022 8/24/2022	Spring 2023 4/26/2023	Summer 2023 8/11/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Collaborative	n/a
рН	6.73	6.34	5.98	5.77	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.37	8.29	11.05	7.34	Early life stages: >9.5 mg/L Other life stages
Dissolved Chloride at Surface (Outlet) (mg/l)	64	63	58	40	>6.5 mg/L Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	68	68	62	54	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.5	2.9	3.7	3.9	*See Table 5
Total Phosphorus at Depth (µg/l)	7.0	6.7	12.0	9.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.03	2.47	1.29	0.63	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	4.0	2.0	4.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Long Lake w/ Sampling Locations







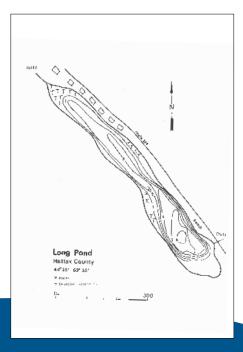
Parameter	Spring 2022 5/3/2022	Summer 2022 8/18/2022	Spring 2023 4/19/2023	Summer 2023 8/9/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.77	5.96	6.55	5.26	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	13.99	6.60	11.12	6.21	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	24	19	29	10	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	23	25	29	19	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	13.0	8.5	6.6	17.0	*See Table 5
Total Phosphorus at Depth (µg/l)	7.9	140.0	8.6	130.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.63	3.61	1.26	0.91	*See Table 5
E. coli at Surface (CFU/100ml)	ND	26	ND	30	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Long Pond w/ Sampling Locations



Bathymetry Map of Long Pond





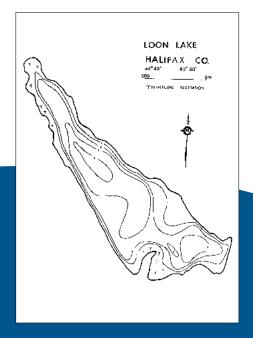
Parameter	Spring 2022 4/25/2022	Summer 2022 8/12/2022	Spring 2023 4/17/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.00	7.38	7.22	6.89	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.40	7.77	11.76	7.93	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	84	89	76	58	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	85	88	77	59	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	8.8	ND	1.5	3.8	*See Table 5
Total Phosphorus at Depth (µg/l)	8.3	ND	1.7	4.9	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.41	1.70	3.18	4.71	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	34	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Loon Lake w/ Sampling Locations







Parameter	Spring 2022 5/3/2022	Summer 2022 8/15/2022	Spring 2023 4/18/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.97	6.97	6.54	6.86	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	14.32	8.13	10.78	8.25	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	260	150	250	66	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	260	200	270	190	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.9	ND	2.4	6.5	*See Table 5
Total Phosphorus at Depth (µg/l)	3.5	ND	1.7	3.8	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.79	4.95	0.78	5.15	*See Table 5
E. coli at Surface (CFU/100ml)	ND	58	14	> 500	≥ 235 CFU/100ml

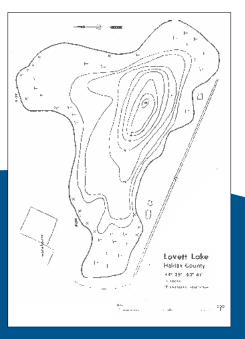
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Lovett Lake w/ Sampling Locations



Bathymetry Map of Lovett Lake



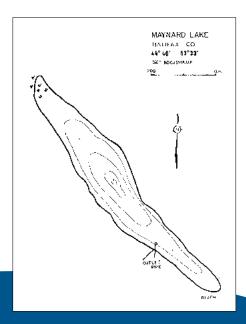
Parameter	Spring 2022 4/26/2022	Summer 2022 8/16/2022	Spring 2023 4/18/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Collaborative	Volunteers	n/a
рН	7.95	8.10	6.99	7.11	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.63	7.98	11.41	7.35	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	91	94	87	75	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	91	94	87	89	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.2	ND	2.4	4.9	*See Table 5
Total Phosphorus at Depth (µg/l)	4.7	2.5	3.5	56.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.29	2.67	2.13	2.61	*See Table 5
E. coli at Surface (CFU/100ml)	1.0	66.0	2.0	ND	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Maynard Lake w/ Sampling Locations



Bathymetry Map of Maynard Lake





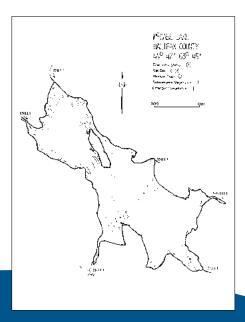
Parameter	Spring 2022 5/10/2022	Summer 2022 8/18/2022	Spring 2023 4/17/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.09	7.04	6.70	5.95	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.15	7.61	11.44	6.97	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	14.00	13.00	15.00	6.30	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	15.0	14.0	15.0	9.2	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.5	2.1	6.9	8.5	*See Table 5
Total Phosphorus at Depth (µg/l)	14.0	8.1	3.3	11.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.35	4.13	1.49	5.82	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	4.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of McCabe Lake w/ Sampling Locations



Bathymetry Map of McCabe Lake





Parameter	Spring 2022 5/13/2022	Summer 2022 8/16/2022	Spring 2023 4/17/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	8.3	7.07	7.21	7.03	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.46	8.59	11.23	6.72	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	70	56	60	19	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	70	72	60	59	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	16.0	1.4	6.1	13.0	*See Table 5
Total Phosphorus at Depth (µg/l)	20.0	20.0	7.4	15.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	6.68	6.37	8.59	11.0	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	120.0	2.0	66.0	≥ 235 CFU/100ml



Satellite Imagery Map of McQuade Lake w/ Sampling Locations



Bathymetry Map of McQuade Lake

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LakeWatchers

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



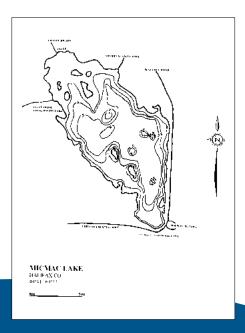
Parameter	Spring 2022 4/27/2022	Summer 2022 8/16/2022	Spring 2023 4/18/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Collaborative	Collaborative	n/a
рН	8.28	7.78	7.80	7.51	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.90	8.33	11.62	7.90	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	250	220	210	120	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	240	220	220	120	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.2	3.2	ND	5.1	*See Table 5
Total Phosphorus at Depth (µg/l)	1.9	ND	ND	3.9	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.63	5.64	0.56	4.37	*See Table 5
E. coli at Surface (CFU/100ml)	ND	16.0	ND	38.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Lake Micmac w/ Sampling Locations



Bathymetry Map of Lake Micmac





Parameter	Spring 2022 13/5/2022	Summer 2022 29/8/2022	Spring 2023 20/4/2023	Summer 2023 10/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.71	6.26	5.59	NA	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.74	8.23	11.0	NA	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	4.8	4.5	6.7	5.5	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	5.0	7.7	5.7	11.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.3	2.1	3.7	2.9	*See Table 5
Total Phosphorus at Depth (µg/l)	3.3	10.0	4.4	14.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.74	1.96	1.34	1.80	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	12.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework

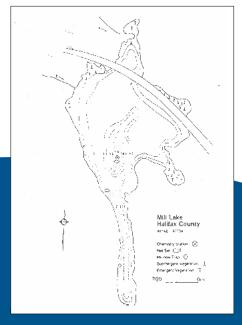








Satellite Imagery Map of Mill Lake w/ Sampling Locations



Bathymetry Map of Mill Lake



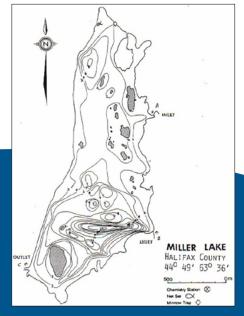
Parameter	Spring 2022 5/2/2022	Summer 2022 8/17/2022	Spring 2023 4/20/2023	Summer 2023 8/9/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.71	7.19	6.94	6.77	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.68	8.04	11.06	7.48	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	25	25	27	13	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	30	28	25	29	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.3	ND	3.5	6.9	*See Table 5
Total Phosphorus at Depth (µg/l)	5.0	2.4	4.6	7.8	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.92	2.03	1.16	2.55	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	2.0	ND	10.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Miller Lake w/ Sampling Locations



Bathymetry Map of Miller Lake





Parameter	Spring 2022 5/11/2022	Summer 2022 9/1/2022	Spring 2023 4/19/2023	Summer 2023 8/23/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.56	6.62	5.57	5.33	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.15	8.11	11.08	7.16	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	12.0	9.3	13.0	6.5	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	12.0	11.0	13.0	9.7	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.0	12.0	8.1	ND	*See Table 5
Total Phosphorus at Depth (µg/l)	7.2	14.0	7.6	25.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.52	2.29	0.76	0.88	*See Table 5
E. coli at Surface (CFU/100ml)	32.0	2.0	4.0	ND	≥ 235 CFU/100ml

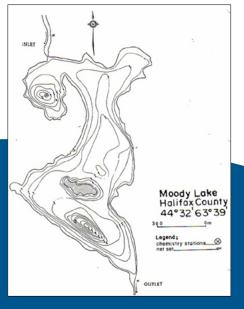
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Moody Lake w/ Sampling Locations



Bathymetry Map of Moody Lake



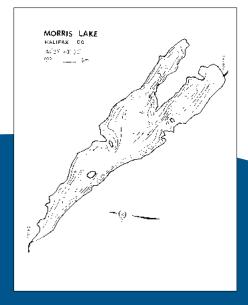
Parameter	Spring 2022 4/26/2022	Summer 2022 8/22/2022	Spring 2023 4/10/2023	Summer 2023 8/29/2023	CCME FWAL Guideline
Sampling Team	Consultants	Volunteers	Volunteers	Volunteers	n/a
рН	7.14	7.54	7.62	7.42	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.89	7.34	10.92	8.20	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	110	93	91	58	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	100	93	90	69	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	7.5	3.9	2.2	3.8	*See Table 5
Total Phosphorus at Depth (µg/l)	2.1	8.2	3.1	ND	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.81	2.12	0.53	1.52	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	8.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Morris Lake w/ Sampling Locations











Parameter	Spring 2022 4/28/2022	Summer 2022 8/28/2022	Spring 2023 4/23/2023	Summer 2023 8/28/2023	CCME FWAL Guideline
Sampling Team	Consultants	Volunteers	Volunteers	Volunteers	n/a
рН	7.73	7.12	7.75	7.42	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.08	81.50	11.20	7.00	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	190	140	180	83	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	190	160	180	170	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.1	7.1	5.2	14.0	*See Table 5
Total Phosphorus at Depth (µg/l)	10.0	22.0	14.0	55.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	6.48	4.54	1.72	8.08	*See Table 5
E. coli at Surface (CFU/100ml)	ND	10.0	ND	14.0	≥ 235 CFU/100ml

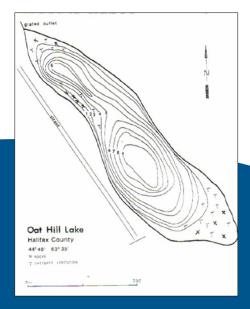
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Oat Hill Lake w/ Sampling Locations



Bathymetry Map of Oat Hill Lake



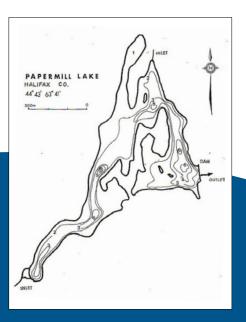
Parameter	Spring 2022 4/29/2022	Summer 2022 8/23/2022	Spring 2023 4/19/2023	Summer 2023 8/11/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.56	7.30	6.79	6.88	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.07	8.49	10.59	8.16	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	73	80	78	31	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	75	77	80	37	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.6	ND	1.8	3.9	*See Table 5
Total Phosphorus at Depth (µg/l)	3.3	ND	2.2	3.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.81	1.66	1.22	1.11	*See Table 5
E. coli at Surface (CFU/100ml)	4.0	6.0	ND	30	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Paper Mill Lake w/ Sampling Locations



Bathymetry Map of Paper Mill Lake





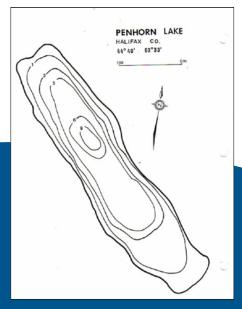
Parameter	Spring 2022 4/26/2022	Summer 2022 8/12/2022	Spring 2023 4/18/2023	Summer 2023 8/21/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Collaborative	Volunteers	n/a
рН	8.06	7.64	7.36	7.75	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.87	7.58	11.21	7.00	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	140	120	120	93	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	140	130	130	130	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	10.0	ND	5.3	7.1	*See Table 5
Total Phosphorus at Depth (µg/l)	6.4	110.0	6.0	52.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.43	6.27	1.01	14.6	*See Table 5
E. coli at Surface (CFU/100ml)	1.0	16.0	6.0	14.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Penhorn Lake w/ Sampling Locations



Bathymetry Map of Penhorn Lake





Petpeswick Lake,

Musquodoboit Harbour, Nova Scotia

SPRING AND SUMMER 2022 - 2023 WATER QUALITY DATA

Parameter	Spring 2022 5/16/2022	Summer 2022 8/30/2022	Spring 2023 5/3/2023	Summer 2023 8/22/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	8.52	6.79	6.08	6.74	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.34	8.40	11.77	8.45	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	14	13	13	12	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	14	13	13	13	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	1.4	2.0	1.4	1.5	*See Table 5
Total Phosphorus at Depth (µg/l)	1.5	3.1	1.1	3.2	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.21	1.12	1.07	1.77	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	ND	≥ 235 CFU/100ml

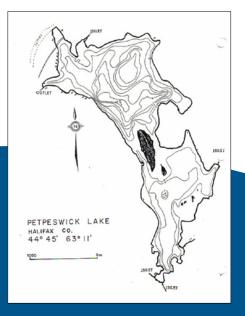
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Petpeswick Lake w/ Sampling Locations



Bathymetry Map of Petpeswick Lake



Parameter	Spring 2022 5/26/2022	Summer 2022 8/23/2022	Spring 2023 4/24/2023	Summer 2023 8/15/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.16	5.43	5.23	5.07	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.98	8.40	11.30	8.00	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	4.5	3.9	4.0	3.4	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	4.7	3.9	4.0	5.3	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.6	ND	7.5	4.0	*See Table 5
Total Phosphorus at Depth (µg/l)	1.5	3.1	1.1	3.2	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.56	3.15	1.37	3.19	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	ND	≥ 235 CFU/100ml



Satellite Imagery Map of Pine Lake w/ Sampling Locations



Bathymetry Map of Pine Lake

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^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



Porters Lake (South and Mid-South), Nova Scotia

SPRING AND SUMMER 2022 - 2023 WATER QUALITY DATA

Parameter	Station	Spring 2022 5/13/2022	Summer 2022 8/23/2022	Spring 2023 4/25/2023	Summer 2023 8/15/2023	CCME FWAL Guideline
Sampling Team		Consultants	Consultants	Consultants	Consultants	n/a
рН	South	8.53	7.78	7.84	7.87	6.5 to 9.0
	Mid-South	8.04	7.56	7.46	6.40	
Dissolved Oxygen at Surface	South	9.78	7.87	10.16	8.61	Early life stages:
(mg/l)	Mid-South	9.60	7.98	10.71	7.76	>9.5 mg/L
						Other life stages >6.5 mg/L
Dissolved Chloride at Surface	South	5700	9900	9100	2300	Long-Term
(Outlet) (mg/l)	Mid-South	1700	5200	4600	570	Exposure: >120 mg/L
Dissolved Chloride at Depth	South	13000	14000	15000	14000	- 111g/ L
(mg/l)	Mid-South	10000	12000	13000	12000	
Total Phosphorus at Surface	South	5.7	ND	9.5	6.9	*See Table 5
(µg/l)	Mid-South	2.7	11.0	3.7	5.3	
Total Phosphorus at Depth (μg/l)	South	27.0	190.0	42.0	560.0	*See Table 5
	Mid-South	5.4	ND	5.5	3.9	
Chlorophyll – a at Surface (µg/L)	South	1.25	1.41	0.44	10.40	*See Table 5
	Mid-South	1.36	0.98	0.97	2.96	1
E. coli at Surface (CFU/100ml)	South	ND	ND	ND	10.0	≥ 235
	Mid-South	ND	ND	2.0	20.0	CFU/100ml

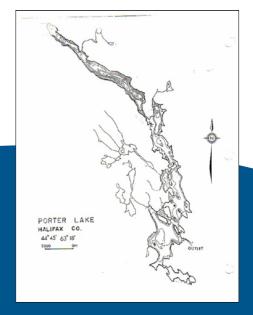
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





orters Lake North - Deep (23m)

w/ Sampling Locations





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Porters Lake (North and Mid-North), Nova Scotia

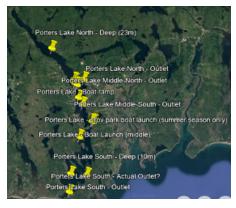
SPRING AND SUMMER 2022 - 2023 WATER QUALITY DATA

Parameter	Station	Spring 2022 5/16/2022	Summer 2022 8/23/2022	Spring 2023 4/25/2023	Summer 2023 8/15/2023	CCME FWAL Guideline
Sampling Team		Consultants	Consultants	Consultants	Consultants	n/a
РН	North	7.78	6.76	6.60	5.42	6.5 to 9.0
	Mid-North	7.89	7.41	7.26	6.03	
Dissolved Oxygen at Surface	North	10.48	8.13	11.7	7.56	Early life stages:
(mg/l)	Mid-North	9.64	8.15	10.83	7.85	>9.5 mg/L
						Other life stages >6.5 mg/L
Dissolved Chloride at Surface	North	800	390	420	150	Long-Term
(Outlet) (mg/l)	Mid-North	1400	1900	1700	230	Exposure: >120 mg/L
Dissolved Chloride at Depth	North	1900	620	780	900	- 111g/ L
(mg/l)	Mid-North	11000	11000	12000	12000	
Total Phosphorus at Surface	North	3.3	14.0	5.8	8.6	*See Table 5
(μg/l)	Mid-North	2.1	9.5	3.6	5.5	
Total Phosphorus at Depth (μg/l)	North	8.6	ND	4.5	3.3	*See Table 5
	Mid-North	50.0	26.0	7.1	1.4	7
Chlorophyll – a at Surface (µg/L)	North	0.88	3.37	0.55	8.20	*See Table 5
	Mid-North	2.47	1.23	1.24	3.44	1
E. coli at Surface (CFU/100ml)	North	ND	ND	ND	8.0	≥ 235
	Mid-North	2.0	ND	ND	8.0	CFU/100ml

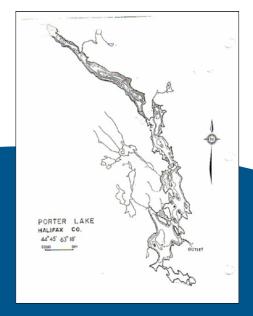
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Porters Lake w/ Sampling Locations



Bathymetry Map of Porters Lake



Parameter	Spring 2022 5/5/2022	Summer 2022 8/22/2022	Spring 2023 4/28/2023	Summer 2023 8/15/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Volunteers	Volunteers	n/a
рН	8.22	7.62	7.76	7.29	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.04	8.58	10.01	7.76	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	54	65	51	41	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	44	54	45	52	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.2	ND	1.7	5.7	*See Table 5
Total Phosphorus at Depth (µg/l)	3.7	ND	5.3	5.6	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.95	1.95	1.91	5.34	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	2.0	≥ 235 CFU/100ml

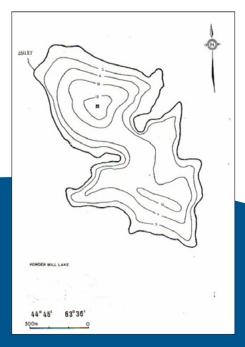
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Powder Mill Lake w/ Sampling Locations



Bathymetry Map of Powder Mill Lake



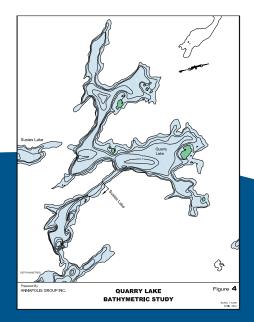
Parameter	Spring 2022 5/16/2022	Summer 2022 8/25/2022	Spring 2023 5/4/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.40	6.13	5.22	5.58	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.1	8.51	10.74	7.68	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	76	69	49	26	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	73	72	50	51	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.8	ND	2.3	2.8	*See Table 5
Total Phosphorus at Depth (µg/l)	2.6	6.1	2.9	10.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.86	1.36	0.39	2.46	*See Table 5
E. coli at Surface (CFU/100ml)	ND	8.0	ND	ND	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Quarry Lake w/ Sampling Locations



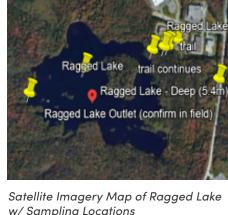
Bathymetry Map of Quarry Lake





Parameter	Spring 2022 5/18/2022	Summer 2022 8/25/2022	Spring 2023 4/26/2023	Summer 2023 8/21/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	4.76	4.90	4.87	5.05	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.18	8.22	10.20	7.72	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	41	36	34	22	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	39	37	33	22	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	9.1	6.5	5.9	9.4	*See Table 5
Total Phosphorus at Depth (µg/l)	25.0	6.7	6.1	12.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.54	1.15	0.79	1.44	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	10.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



w/ Sampling Locations



Bathymetry Map of Ragged Lake





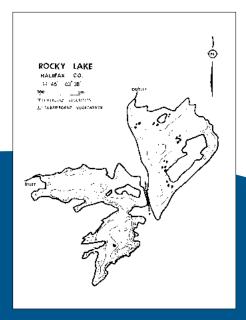
Parameter	Spring 2022 5/16/2022	Summer 2022 8/18/2022	Spring 2023 4/19/2023	Summer 2023 8/13/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	7.03	7.74	6.80	7.86	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.96	8.19	10.89	7.27	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	91	99	73	55	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	93	98	74	56	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.2	ND	2.8	4.1	*See Table 5
Total Phosphorus at Depth (µg/l)	2.9	ND	2.7	3.8	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.12	6.00	1.38	4.71	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4	ND	2	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Rocky Lake w/ Sampling Locations





LakeWatchers



Parameter	Spring 2022 4/28/2022	Summer 2022 8/22/2022	Spring 2023 5/11/2023	Summer 2023 9/7/2023	CCME FWAL Guideline
Sampling Team	Consultants	Volunteers	Volunteers	Volunteers	n/a
рН	6.81	7.44	7.83	7.59	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.77	7.56	10.54	8.71	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	220	180	190	97	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	220	180	190	170	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.8	5.1	3.2	6.7	*See Table 5
Total Phosphorus at Depth (µg/l)	3.9	58.0	3.7	ND	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.48	11.9	0.76	2.79	*See Table 5
E. coli at Surface (CFU/100ml)	10	2	ND	12	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework

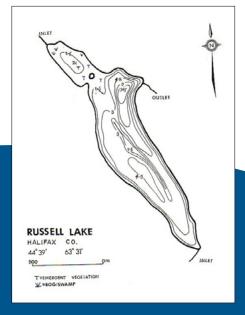








Satellite Imagery of Russell Lake w/ Sampling Locations



Bathymetry Map of Russell Lake



Parameter	Spring 2022 5/4/2022	Summer 2022 8/22/2022	Spring 2023 4/21/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Volunteers	Volunteers	Volunteers	n/a
рН	7.75	NA	6.82	6.58	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.17	8.08	11.85	8.62	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	49	49	46	19	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	57	55	44	42	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.0	ND	3.5	8.8	*See Table 5
Total Phosphorus at Depth (µg/l)	7.0	4.7	7.4	8.7	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.26	5.22	NA	3.28	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	8.0	≥ 235 CFU/100ml

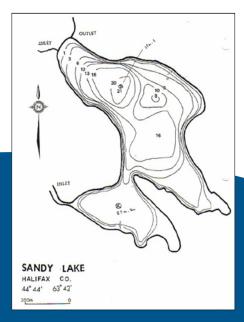
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Sandy Lake w/ Sampling Locations



Bathymetry Map of Sandy Lake

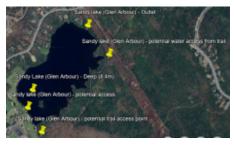


Parameter	Spring 2022 5/13/2022	Summer 2022 8/24/2022	Spring 2023 4/18/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.67	6.64	7.00	6.52	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.6	8.48	10.80	8.07	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	11.0	10.0	8.8	7.0	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	11.0	12.0	9.2	10.0	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.0	3.5	2.1	3.8	*See Table 5
Total Phosphorus at Depth (µg/l)	2.2	ND	4.0	9.1	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.97	2.08	1.24	4.81	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	6.0	≥ 235 CFU/100ml

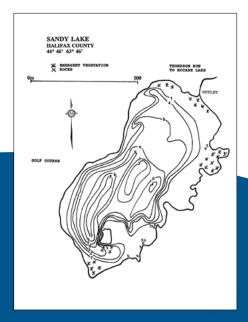
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







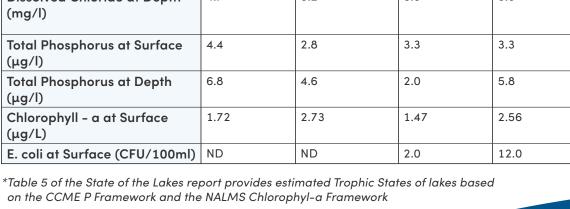
Satellite Imagery Map of Sandy Lake (G A) w/ Sampling Locations



Bathymetry Map of Sandy Lake



Parameter	Spring 2022 5/16/2022	Summer 2022 8/30/2022	Spring 2023 5/4/2023	Summer 2023 8/22/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.68	6.14	5.51	5.68	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.77	8.42	11.64	8.21	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	4.7	5.1	5.2	5.1	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	4.7	5.2	5.3	5.5	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.4	2.8	3.3	3.3	*See Table 5
Total Phosphorus at Depth (µg/l)	6.8	4.6	2.0	5.8	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.72	2.73	1.47	2.56	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	2.0	12.0	≥ 235 CFU/100ml



Satellite Imagery Map of Scots Lake w/ Sampling Locations



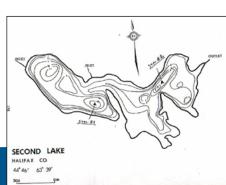
Bathymetry Map of Scots Lake



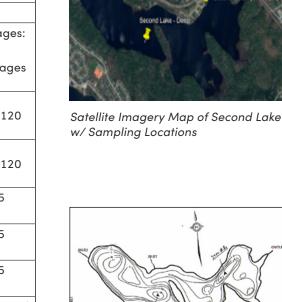


Parameter	Spring 2022 5/5/2022	Summer 2022 8/14/2022	Spring 2023 4/26/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Volunteers	Volunteers	Volunteers	n/a
рН	7.51	7.56	7.51	7.32	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.04	7.50	11.40	9.21	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	36	38	32	21	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	38	39	35	34	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	5.5	ND	3.1	7.0	*See Table 5
Total Phosphorus at Depth (µg/l)	4.3	3.8	3.8	6.6	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.92	1.12	1.57	9.77	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	14	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



Bathymetry Map of Second Lake







Parameter	Spring 2022 5/5/2022	Summer 2022 8/12/2022	Spring 2023 4/18/2023	Summer 2023 8/15/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	6.37	7.06	6.87	8.78	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	14.58	7.12	11.17	9.44	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	130	110	110	56	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	150	130	110	57	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	8.6	3.8	5.1	54.0	*See Table 5
Total Phosphorus at Depth (µg/l)	9.9	120.0	15.0	19.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.96	6.73	1.48	124.0	*See Table 5
E. coli at Surface (CFU/100ml)	ND	64	ND	28	≥ 235 CFU/100ml

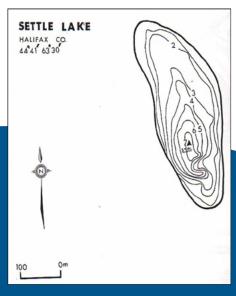
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Settle Lake w/ Sampling Locations



Bathymetry Map of Settle Lake



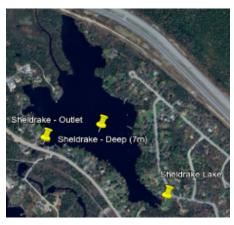
Parameter	Spring 2022 5/13/2022	Summer 2022 8/15/2022	Spring 2023 4/17/2023	Summer 2023 8/9/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Collaborative	n/a
рН	5.79	6.57	5.71	5.76	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.96	7.81	10.6	7.12	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	32	28	32	16	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	32	34	33	29	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	13.0	11.0	7.9	29.0	*See Table 5
Total Phosphorus at Depth (µg/l)	13.	71	24	77	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.30	8.72	4.10	18.20	*See Table 5
E. coli at Surface (CFU/100ml)	ND	8.0	ND	8.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework

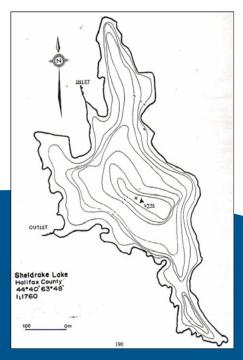








Satellite Imagery Map of Sheldrake Lake w/ Sampling Locations



Bathymetry Map of Sheldrake Lake



Parameter	Spring 2022 5/3/2022	Summer 2022 8/26/2022	Spring 2023 5/3/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	7.80	7.51	7.28	6.89	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.59	8.41	12.23	8.03	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	20	20	21	17	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	20	20	20	20	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.1	1.3	1.5	3.9	*See Table 5
Total Phosphorus at Depth (µg/l)	3.7	ND	1.4	2.3	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.10	4.33	1.06	9.06	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	2.0	12.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework

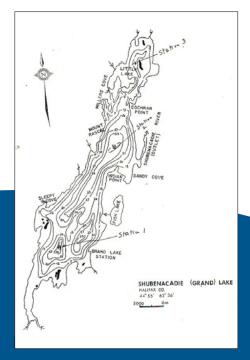








Satellite Imagery Map of Shubenacadie w/ Sampling Locations



Bathymetry Map of Shubenacadie



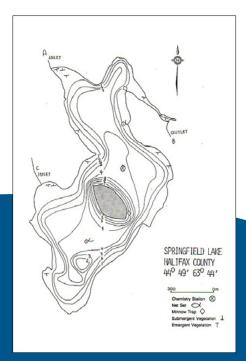
Parameter	Spring 2022 5/3/2022	Summer 2022 8/18/2022	Spring 2023 4/19/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.04	7.12	6.83	7.15	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	13.54	8.10	11.05	7.77	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	16	20	18	14	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	21	20	18	14	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.4	ND	3.4	7.4	*See Table 5
Total Phosphorus at Depth (µg/l)	5.1	4.4	4.6	ND	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.50	1.79	0.30	3.82	*See Table 5
E. coli at Surface (CFU/100ml)	ND	8.0	ND	8.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Springfield Lake w/ Sampling Locations





LakeWatchers



Parameter	Spring 2022 5/12/2022	Summer 2022 8/24/2022	Spring 2023 4/26/2023	Summer 2023 8/25/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	6.25	6.89	6.28	5.85	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.07	8.44	11.34	7.75	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	13.0	11.0	11.0	6.5	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	13.0	12.0	11.0	6.5	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	6.6	4.4	2.6	13.0	*See Table 5
Total Phosphorus at Depth (µg/l)	5.8	7.7	4.0	13.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.49	4.64	3.78	5.36	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	ND	ND	≥ 235 CFU/100ml



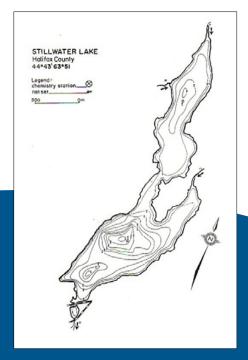








Satellite Imagery Map of Stillwater Lake w/ Sampling Locations



Bathymetry Map of Stillwater Lake



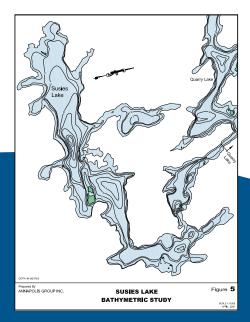
Parameter	Spring 2022 5/16/2022	Summer 2022 8/25/2022	Spring 2023 5/4/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.31	5.74	4.88	5.26	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.14	8.39	11.00	7.50	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	79	69	69	27	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	67	74	58	51	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.2	2.4	2.5	4.2	*See Table 5
Total Phosphorus at Depth (µg/l)	2.8	18.0	2.7	15.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.91	1.86	0.33	1.65	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	2.0	6.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Susies Lake w/ Sampling Locations



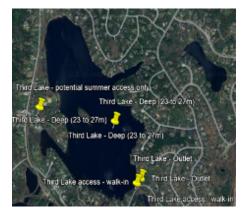
Bathymetry Map of Susies Lake

Third Lake, Windsor Junction, Nova Scotia

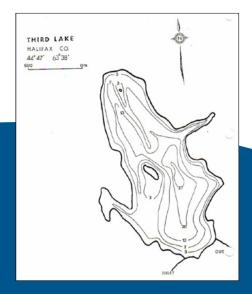
Parameter	Spring 2022 5/9/2022	Summer 2022 8/30/2022	Spring 2023 4/28/2023	Summer 2023 8/17/2023	CCME FWAL Guideline
Sampling Team	Consultants	Collaborative	Consultants	Volunteers	n/a
рН	8.1	7.1	6.6	7.3	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.96	8.33	11.72	8.44	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	26	29	28	22	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	25	27	27	29	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	3.4	3.6	2.3	5.6	*See Table 5
Total Phosphorus at Depth (µg/l)	3.8	3.5	3.7	59.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	5.30	2.18	2.49	5.07	*See Table 5
E. coli at Surface (CFU/100ml)	ND	6.0	ND	4.0	≥ 235 CFU/100ml







Satellite Imagery Map of Third Lake w/ Sampling Locations



Bathymetry Map of Third Lake





Thomas Lake (North and South),

Fall River, Nova Scotia

SPRING AND SUMMER 2022 - 2023 WATER QUALITY DATA

Parameter	Station	Spring 2022 5/2/2022	Summer 2022 8/17/2022	Spring 2023 4/20/2023	Summer 2023 8/14/2023	CCME FWAL Guideline
Sampling Team		Consultants	Consultants	Consultants	Consultants	n/a
РН	North	7.13	7.38	7.22	7.18	6.5 to 9.0
	South	6.77	7.59	6.84	6.88	
Dissolved Oxygen at Surface	North	11.96	8.06	11.47	7.68	Early life stages:
(mg/l)	South	12.96	8.44	11.92	7.18	>9.5 mg/L
						Other life stages >6.5 mg/L
Dissolved Chloride at Surface	North	40	41	37	29	Long-Term
(Outlet) (mg/l)	South	40	43	41	34	Exposure: >120
Dissolved Chloride at Depth	North	38	40	37	23	mg/L
(mg/l)	South	46	42	41	40	
Total Phosphorus at Surface	North	2.3	ND	4.1	2.8	*See Table 5
(µg/l)	South	3.1	ND	2.7	15.0	
Total Phosphorus at Depth (μg/l)	North	2.9	ND	4.5	4.0	*See Table 5
	South	1.9	2.0	3.0	4.2	
Chlorophyll – a at Surface (µg/L)	North	2.49	4.15	1.24	3.40	*See Table 5
	South	2.72	3.37	1.21	3.20	
E. coli at Surface (CFU/100ml)	North	ND	6.0	ND	8.0	≥ 235 CFU/100ml
	South	ND	10	ND	10	

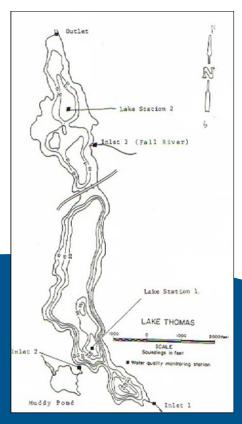
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Thomas Lake w/ Sampling Locations



Bathymetry Map of Thomas Lake



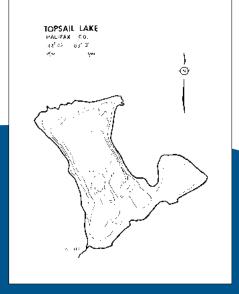
Parameter	Spring 2022 4/26/2022	Summer 2022 8/12/2022	Spring 2023 4/18/2023	Summer 2023 8/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.57	6.28	6.49	6.29	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	13.83	8.10	11.43	7.70	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	13.0	14.0	12.0	12.0	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	14	14	13	11	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	2.4	ND	ND	2.1	*See Table 5
Total Phosphorus at Depth (µg/l)	12.0	ND	ND	2.3	*See Table 5
Chlorophyll – a at Surface (µg/L)	0.82	0.96	0.64	0.77	*See Table 5
E. coli at Surface (CFU/100ml)	ND	20	ND	NA	≥ 235 CFU/100ml







Satellite Imagery Map of Topsail Lake w/ Sampling Locations



Bathymetry Map of Topsail Lake



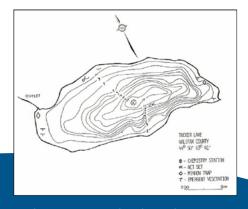


Parameter	Spring 2022 5/10/2022	Summer 2022 8/19/2022	Spring 2023 4/25/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	8.08	7.38	7.28	7.38	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.84	8.33	11.26	7.66	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	51	51	48	34	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	50	52	47	49	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	11.0	ND	2.8	4.6	*See Table 5
Total Phosphorus at Depth (µg/l)	4.8	ND	3.6	7.5	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.63	0.829	0.734	3.26	*See Table 5
E. coli at Surface (CFU/100ml)	2.0	10.0	ND	8.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework



Satellite Imagery Map of Tucker Lake w/ Sampling Locations



Bathymetry Map of Tucker Lake







Parameter	Spring 2022 5/11/2022	Summer 2022 9/1/2022	Spring 2023 5/2/2023	Summer 2023 8/16/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	6.39	5.91	5.37	5.70	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	9.92	7.94	10.62	7.35	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	14.0	14.0	14.0	9.2	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	13	13	14	12	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	5.8	12.0	13.0	12.0	*See Table 5
Total Phosphorus at Depth (µg/l)	5.9	26.0	7.6	26.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.07	7.03	2.09	6.59	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	2.0	4.0	≥ 235 CFU/100ml

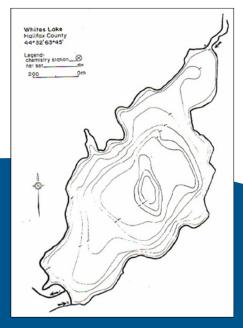
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Whites Lake w/ Sampling Locations



Bathymetry Map of Whites Lake



Parameter	Spring 2022 5/3/2022	Summer 2022 8/22/2022	Spring 2023 4/20/2023	Summer 2023 8/1/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Volunteers	n/a
рН	7.28	7.60	7.31	7.14	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.88	8.85	12.52	6.62	Early life stages: >9.5 mg/L
					Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	68	45	41	38	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	44	42	41	43	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.2	ND	2.5	4.1	*See Table 5
Total Phosphorus at Depth (µg/l)	4.5	ND	3.0	5.5	*See Table 5
Chlorophyll – a at Surface (µg/L)	2.45	4.15	1.49	7.53	*See Table 5
E. coli at Surface (CFU/100ml)	ND	ND	ND	ND	≥ 235 CFU/100ml

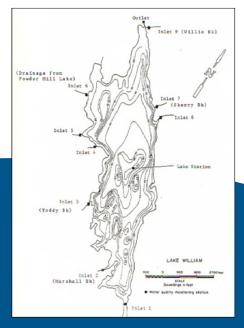
^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework







Satellite Imagery Map of Lake William w/ Sampling Locations



Bathymetry Map of Lake William, Waverley



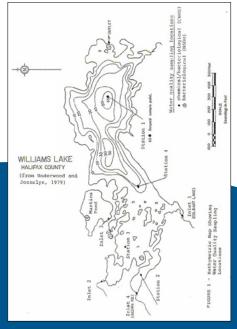
Parameter	Spring 2022 5/2/2022	Summer 2022 8/19/2022	Spring 2023 4/19/2023	Summer 2023 8/9/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	7.87	6.85	6.59	6.51	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	11.19	8.27	11.37	7.93	Early life stages: >9.5 mg/L Other life stages
					>6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	59	66	50	46	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	57	63	49	51	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	7.6	ND	13.0	3.4	*See Table 5
Total Phosphorus at Depth (µg/l)	4.6	ND	3.2	17.0	*See Table 5
Chlorophyll – a at Surface (µg/L)	3.92	1.91	1.23	2.64	*See Table 5
E. coli at Surface (CFU/100ml)	ND	4.0	ND	8.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Williams Lake w/ Sampling Locations



Bathymetry Map of Williams Lake

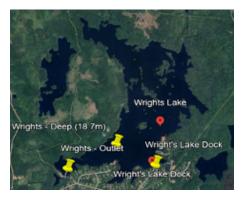




Parameter	Spring 2022 12/5/2022	Summer 2022 29/8/2022	Spring 2023 20/4/2023	Summer 2023 10/8/2023	CCME FWAL Guideline
Sampling Team	Consultants	Consultants	Consultants	Consultants	n/a
рН	5.83	7.02	5.93	5.97	6.5 to 9.0
Dissolved Oxygen at Surface (mg/l)	10.91	8.66	11.70	7.75	Early life stages: >9.5 mg/L Other life stages >6.5 mg/L
Dissolved Chloride at Surface (Outlet) (mg/l)	6.1	6.2	6.4	4.9	Long-Term Exposure: >120 mg/L
Dissolved Chloride at Depth (mg/l)	6.4	6.5	6.8	6.8	Long-Term Exposure: >120 mg/L
Total Phosphorus at Surface (µg/l)	4.6	ND	3.2	2.3	*See Table 5
Total Phosphorus at Depth (µg/l)	3.4	ND	3.4	2.1	*See Table 5
Chlorophyll – a at Surface (µg/L)	1.7	2.2	0.9	3.0	*See Table 5
E. coli at Surface (CFU/100ml)	ND	2.0	ND	4.0	≥ 235 CFU/100ml

^{*}Table 5 of the State of the Lakes report provides estimated Trophic States of lakes based on the CCME P Framework and the NALMS Chlorophyl-a Framework





Satellite Imagery Map of Wrights Lake w/ Sampling Locations



LakeWatchers

