

APPENDIX B
GREENHOUSE GAS

Table 1: Baseline GHG Quantification - Melvin Lake Wind Project

Project # 24-9856

Power Generation via Coal			
Parameter/Variable	Value	Unit	Comments
Quantity of Power Generated via Coal	159,920,720	kWh/year	Based on 34% of electricity generated by NSPI in 2023
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Coal Generated Electricity	1.0439	kg CO ₂ e/kWh	[Source: USEIA, 2022]
<i>Conversion Factor</i>	0.001	t CO ₂ e/kWh	1 kg = 0.001 Tonnes
Emissions	166,938.28	t CO ₂ e/year	B5*B8*B9
Power Generation via Oil			
Parameter/Variable	Value	Unit	Comments
Quantity of Power Generated via Oil	14,110,652	kWh/year	Based on 3% of electricity generated by NSPI in 2023
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Oil Generated Electricity	1.0902	kg CO ₂ e/kWh	[Source: USEIA, 2022]
<i>Conversion Factor</i>	0.001	t CO ₂ e/kWh	1 kg = 0.001 Tonnes
Emissions	15,383.82	t CO ₂ e/year	B14*B17*B18
Power Generation via Natural Gas			
Parameter/Variable	Value	Unit	Comments
Quantity of Power Generated via Natrual Gas	94,071,012	kWh/year	Based on 20% of electricity generated by NSPI in 2023
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Natural Gas Generated Electricity	0.4404	kg CO ₂ e/kWh	[Source: USEIA, 2022]
<i>Conversion Factor</i>	0.001	t CO ₂ e/kWh	1 kg = 0.001 Tonnes
Emissions	41,429.75	t CO ₂ e/year	B23*B26*B27
Power Generation via Wind			
Parameter/Variable	Value	Unit	Comments
Quantity of Power Generated via Wind	202,252,676	kWh/year	Based on 43% of electricity generated by NSPI in 2023
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Wind Generated Electricity	0	t CO ₂ e/kWh	
Emissions	0	t CO ₂ e/year	B32*B35
Total Emissions	223,751.85	t CO₂e/year	B10+B19+B28

User input data
 Compiled data

Table 2: Construction Phase GHG Quantification - Melvin Lake Wind Project

Project # 24-9856

Turbine Fabrication			
Parameter/Variable	Value	Unit	Comments
Turbine Steel	840,000 kg/Turbine		Based on weights provided in NREL's 2015 Report [NREL, 2017]
	840.00 tonne/Turbine		1 kg = 0.001 Tonnes
Emission Factors			
Parameter/Variable	Value	Unit	Comments
General Steel	1.5 kg CO ₂ e/kg		Estimated from the UK's mixture of steel types, excluding stainless steel (Inventory of Carbon & Energy (ICE), Version 2.0).
Conversion Factor	0.001 t CO ₂ e/kg		1 kg = 0.001 Tonnes
Emissions	28,980.00 t CO ₂ e		B5*B9*B10*23(WT)
Turbine Transportation			
Parameter/Variable	Value	Unit	Comments
Transportation Vehicle			
Heavy Duty Truck (Diesel)	1 ea		
Distance Travelled	27,432.00 km		From manufacturing facility to Chennai Port, India and Port of Halifax, NS, to Wind Turbine Laydowns (includes all the wind turbine components for all wind turbines).
Freight Weight	70.00 tonne		Estimate of each component; 840 tonnes/12 components
Marine Cargo and Containers (Diesel)	1 ea		
Distance Travelled	374,900 km		From Port in Chennai, India, to Port of Halifax, (includes 23 WT).
Freight Weight	840.00 tonne		Cell B6
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Heavy Duty Truck	135 g CO ₂ e/tonne·km		Freight emissions for calculating GHGs from freight (materials delivery, shipment of product to market, etc.) [Source: GHGenius v5.0d]
Conversion Factor	0.000001 t CO ₂ e/tonne·km		1 g = 0.000001 Tonnes
Emissions	259.23 t CO ₂ e/year		B16*B17*B18*B24*B25
Marine Cargo and Containers (Diesel)	15.1 g CO ₂ e/tonne·km		Freight emissions for calculating GHGs from freight (materials delivery, shipment of product to market, etc.) [Source: GHGenius v5.0d]
Conversion Factor	0.000001 t CO ₂ e/tonne·km		1 g = 0.000001 Tonnes
Emissions	4,755.23 t CO ₂ e/year		B20*B21*B27*B28
Concrete Tower Foundation and Pedestal			
Parameter/Variable	Value	Unit	Comments
Concrete Production Quantity	2,500,000 kg		Based on a volume of 1,000 m ³ (per Wind Turbine Pad) and concrete density of 2,500 kg/m ³
	2,500 tonne		1 kg = 0.001 Tonnes
	17.86 tonne/truck		
Concrete Transportation			
Concrete Truck	140 ea		[Source: Kenter, 2017]
Distance Travelled (freight)	1,010.00 km		Based on one-way trip from Concrete Supplier to each Wind Turbine Pad
Distance Travelled (no freight)	1,010.00 km		Based on one-way trip from each Wind Turbine Pad to Concrete Supplier
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Concrete Production	300 g CO ₂ e/kg		0.3 kg CO ₂ e/kg [Source: GHGenius v5.0d].
Concrete Truck (freight)	135 g CO ₂ e/tonne·km		Freight emissions for calculating GHGs from freight (materials delivery, shipment of product to market, etc.) [Source: GHGenius v5.0d].
Concrete Truck (no freight)	1,106 g CO ₂ e/km		Emissions for calculating GHGs where the volume of fuel consumed is unknown but the distance travelled is known [Source: GHGenius v5.0d].
Conversion Factor	0.000001 t CO ₂ e/tonne·km		1 g = 0.000001 Tonnes
Concrete Production Emissions	17,250.00 t CO ₂ e/year		B33*B42*B45*23(WT)
Concrete Truck (freight) Emissions	340.88 t CO ₂ e/year		B35*B37*B38*B43*B45
Concrete Truck (no freight) Emissions	156.39 t CO ₂ e/year		B37*B39*B44*B45
Total Concrete Tower Foundation and Pedestal	17,747.26 t CO ₂ e/year		B46+B47+B48
Total Emissions (Construction Phase)	51,741.73 t CO₂e		B11+B26+B29+B49

User input data
Compiled data

Table 3: Construction Phase GHG Quantification - Melvin Lake Wind Project

Project # 24-9856

Wind Energy			
Parameter/Variable	Value	Unit	Comments
Quantity of Power Generation via Wind	470,355,060	kWh/year	See Equation
$kWh = 23 \text{ Turbines} \times \frac{7.0 \text{ MW}}{\text{Turbine}} \times \frac{365 \text{ days}}{\text{year}} \times \frac{24 \text{ hours}}{\text{day}} \times 0.3335 \times \frac{1000 \text{ kW}}{\text{MW}} = 470,355,060 \text{ kWh/year}$			
Emission Factors			
Parameter/Variable	Value	Unit	Comments
Wind Generated Electricity	0	t CO ₂ e/kWh	
Emissions	0	t CO ₂ e/year	B5*B8
Maintenance			
Parameter/Variable	Value	Unit	Comments
Nacelle Components Replacement	11,431	kg/Turbine	15% of Nacelle [Source: Source: Padey et al., 2012, (Number Three Wind LLC, 2018
Blade Replacement	18,688	kg/Turbine	One Blade [Source: Source: Padey et al., 2012, (Number Three Wind LLC, 2018
Emission Factors			
Parameter/Variable	Value	Unit	Comments
General Steel	1.5	kg CO ₂ e/kg	Estimated from the UK's mixture of steel types, excluding stainless steel (Inventory of Carbon & Energy (ICE), Version 2.0).
Conversion Factor	0.001	t CO ₂ e/kg	1 kg = 0.001 Tonnes
Emissions	45.18	t CO ₂ e/turbine	(B13+B14)*B17*B18
Total Emissions	1039.11	t CO₂e	B9+B19*23 (WT)

User input data
Compiled data

APPENDIX C
GROUNDWATER WELLS

Well Number	Address	Community	County	Year Installed	Well Depth (m)	Casing Depth (m)	Bedrock Depth (m)	Static (m)	Yield (Lpm)	Elevation (m)	Well Type	Water Use	Easting	Northing
126	Sandwick	Pockwock	Halifax	2000	66.99	6.09	3.65		4.54	155	Drilled	Domestic	433500	4957500
2661	Highway #1	Mount Uniacke	Hants	2000	38.06	7.61	1.22	4.57	22.70	166	Drilled	Domestic	434500	4970500
2707	19 Taylor Road	Pockwock	Halifax	2000	50.24	6.09	3.04	4.57	22.70	87	Drilled	Domestic	431500	4955500
10111	1185 Pockwock Road	Pockwock	Halifax	2001	66.99	6.09	1.22	6.09	3.40	160	Drilled	Domestic	432636	4956442
12038	Highway #1	Mount Uniacke	Hants	2001	66.99	6.09	0.91		4.99	166	Drilled	Domestic	434500	4970500
13105	Pentz Lake	Mount Uniacke	Hants	2001	53.29	6.09	0.61		6.81	166	Drilled	Domestic	434500	4970500
41396	280 Anderson Road	Pockwock	Halifax	2004	117.23	31.67	30.45	30.45	4.54	123	Drilled	Domestic	432527	4955063
42277	Byblos Road	Pockwock	Halifax	2004	74.60	6.09	1.52	6.09	9.08	136	Drilled	Domestic	432500	4955500
51154	1616 Pockwock Road	Hammonds Plains	Halifax	2005	60.90	12.18	9.14	6.09	22.70	109	Drilled	Domestic	432179	4957783
51364	63 Chokecherry Road	Upper Tantallon	Halifax	2005	165.95	8.83	4.57			106	Drilled	Domestic	430191	4953090
51913	91 Chokecherry Road	Upper Tantallon	Halifax	2005	122.41	11.57	1.52	18.27	3.40	108	Drilled	Domestic	430103	4953075
51918	1615 Pockwock Road	Hammonds Plains	Halifax	2005	30.45	10.66	6.09	3.04	54.48	119	Drilled	Domestic	432262	4957795
51920	334 Oceanstone Drive	Upper Tantallon	Halifax	2005	73.08	6.39	3.04	4.57	9.08	92	Drilled	Domestic	429561	4952978
52760	366 Ocean Stone Drive	Upper Tantallon	Halifax	2005	68.51	7.31	0.91	6.09	13.62	97	Drilled	Domestic	429552	4953091
60012	76 Chokecherry Road	Upper Tantallon	Halifax	2006	98.96	6.09	1.52	4.26	6.81	113	Drilled	Domestic	430153	4952992
60344	94 Chokecherry Road	Upper Tantallon	Halifax	2006	98.96	6.09	2.44	3.65	6.81	113	Drilled	Domestic	430114	4952986
60715	826 Westwood Boulevard	Upper Tantallon	Halifax	2006	31.97	9.14	3.65	3.65	136.20	99	Drilled	Domestic	430443	4953170
60817	231 Summit Crescent	Upper Tantallon	Halifax	2006	86.78	7.61	4.26	12.18	11.35	108	Drilled	Domestic	430148	4952838
60818	Oceanstone Drive	Upper Tantallon	Halifax	2006	68.51	12.18	0.91		45.40	109	Drilled	Domestic	430151	4952868
60821	Rebecca Drive	Upper Tantallon	Halifax	2006	152.25	42.63	39.58		86.26	108	Drilled	Domestic	430148	4952838
61150	114 Chokecherry Road	Upper Tantallon	Halifax	2006	112.66	8.22	1.83	6.09	4.54	113	Drilled	Domestic	430076	4952948
61168	Chokecherry Road	Hammonds Plains	Halifax	2006	86.78	9.14	1.22	6.09	4.54	111	Drilled	Domestic	429968	4952833
61171	103 Chokecherry Road	Upper Tantallon	Halifax	2006	121.80	12.18	1.52	6.09	4.54	111	Drilled	Domestic	430097	4953025
61183	28 Juneberry Lane	Upper Tantallon	Halifax	2006	44.15	12.18	1.22	6.09	113.50	105	Drilled	Domestic	430241	4952917
61184	77 Chokecherry Road	Upper Tantallon	Halifax	2006	74.60	12.18	2.44	6.09	9.08	112	Drilled	Domestic	430073	4953011
61191	143 Chokecherry Road	Upper Tantallon	Halifax	2006	74.60	12.18	3.04	6.09	9.08	112	Drilled	Domestic	429979	4952969
61194	47 Chokecherry Road	Upper Tantallon	Halifax	2006	118.76	12.18	1.52	6.09	4.54	113	Drilled	Domestic	430148	4953032
61222	341 Oceanstone Drive	Upper Tantallon	Halifax	2006	137.02	12.18	6.09	30.45		94	Drilled	Domestic	429627	4953017
61233	400 Oceanstone Drive	Upper Tantallon	Halifax	2006	137.02	12.79	3.04			100	Drilled	Domestic	429669	4953294
61238	Wrights Lake Run	Upper Tantallon	Halifax	2006	143.12	6.09	1.83	6.09	1.14	95	Drilled	Domestic	430755	4953355
61239	Oceanstone	Upper Tantallon	Halifax	2006	130.94	12.18	4.87	6.09	2.27	94	Drilled	Domestic	429625	4953190
61252	436 Oceanstone Drive	Upper Tantallon	Halifax	2006	91.35	18.27	3.04	6.09	6.81	94	Drilled	Domestic	429625	4953190
61269	348 Oceanstone Drive	Upper Tantallon	Halifax	2006	137.02	12.18	0.91	6.09	2.27	95	Drilled	Domestic	429548	4953036
61272	420 Oceanstone Drive	Upper Tantallon	Halifax	2006	121.80	12.18	3.04	6.09	2.27	99	Drilled	Domestic	429651	4953245
61273	746 Westwood Boulevard	Upper Tantallon	Halifax	2006	137.02	12.18	3.04		0.00	94	Drilled	Domestic	429625	4953190
61277	786 Westwood Boulevard	Upper Tantallon	Halifax	2006	74.60	12.18	3.04	6.09	27.24	102	Drilled	Domestic	430403	4953040
61278	43 Oceanstone Drive	Upper Tantallon	Halifax	2006	137.02	12.18	3.04	6.09	2.27	101	Drilled	Domestic	430253	4952841
61289	325 Oceanstone Drive	Upper Tantallon	Halifax	2006	80.69	6.09	1.83	6.09	13.62	93	Drilled	Domestic	429623	4952973
61307	12 Chokecherry Road	Upper Tantallon	Halifax	2006	44.15	12.48	2.13	4.57	68.10	105	Drilled	Domestic	430333	4953049
61414	91 Oceanstone Drive	Upper Tantallon	Halifax	2006	98.05	6.09	1.52	3.04	15.89	111	Drilled	Domestic	430103	4952850
61425	766 Westwood Boulevard	Upper Tantallon	Halifax	2006	66.99	6.09	1.52	6.09	34.05	99	Drilled	Domestic	430425	4952972
61481	375 Oceanstone Drive	Upper Tantallon	Halifax	2006	68.51	12.18	5.79	12.18	27.24	101	Drilled	Domestic	429628	4953071
61531	420 Oceanstone Drive	Upper Tantallon	Halifax	2006	121.80	12.18	3.04	5.48	13.62	96	Drilled	Domestic	429595	4953258
70221	220 Wright Lake Run, Upper Tantallon	Upper Tantallon	Halifax	2007	68.51	12.18	3.04	10.66	36.32	102	Drilled	Domestic	429790	4953409
70881	61 Oceanstone Drive, Upper Tantallon	Stillwater Lake	Halifax	2007	112.66	7.00	4.26	4.57	3.63	105	Drilled	Domestic	430180	4952828
70882	815 Westwood Boulevard, Upper Tantallon	Stillwater Lake	Halifax	2007	100.48	12.18	4.57	4.57	6.81	102	Drilled	Domestic	430384	4953121
70939	66 Waterbury Lane, Upper Tantallon	Stillwater Lake	Halifax	2007	60.90	12.18	2.13	4.57	45.40	84	Drilled	Domestic	430444	4953801
71126	425 Oceanstone Drive, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2007	56.33	7.31	3.65	3.65	22.70	102	Drilled	Domestic	429748	4953232
71646	199 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2007	98.96	6.09	2.44	3.65	6.81	102	Drilled	Domestic	429916	4953684
72084	49 Wright Lake Run, Upper Tantallon	Stillwater Lake	Halifax	2007	83.74	8.22	6.39		13.62	84	Drilled	Domestic	430293	4953602
72162	570 Oceanstone Drive, HRM	Upper Tantallon	Halifax	2007	133.98	12.18	11.57	6.09	13.62	109	Drilled	Domestic	429721	4953636
72206	9 Wright Lake Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2007	73.08	12.18	3.04	6.09	27.24	99	Drilled	Domestic	430415	4953387
72207	812 Westwood Boulevard, Upper Tantallon, HRM	Stillwater Lake	Halifax	2007	91.35	12.18	3.65	9.14	27.24	100	Drilled	Domestic	430432	4953107
72208	111 Falcourt Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2007	140.07	12.18	7.61			109	Drilled	Domestic	429674	4953654
72249	27 Oceanstone Drive, Upper Tantallon, HRM	Stillwater Lake	Halifax	2007	60.90	12.18	3.04	3.04	181.60	103	Drilled	Domestic	430243	4952873
72273	62 Chokecherry Road, Upper Tantallon, HRM	Stillwater Lake	Halifax	2007	121.80	12.18	3.65	6.09	4.54	112	Drilled	Domestic	429923	4952925
72276	454 Oceanstone Drive, Upper Tantallon, HRM	Stillwater Lake	Halifax	2007	66.99	18.27	5.48	9.14	27.24	102	Drilled	Domestic	429689	4953352

Well Number	Address	Community	County	Year Installed	Well Depth (m)	Casing Depth (m)	Bedrock Depth (m)	Static (m)	Yield (Lpm)	Elevation (m)	Well Type	Water Use	Easting	Northing
80011	195 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	111.14	9.14	3.35	3.65	6.81	102	Drilled	Heat Transfer	429910	4953684
80016	Westwood Boulevard, Upper Tantallon	Pockwock	Halifax	2008	42.63	6.09	4.57		11.35	95	Drilled	Domestic	431382	4953851
80467	64 Thyme Lane, Upper Tantallon	Stillwater Lake	Halifax	2008	79.17	9.14	3.04	7.61	3.40	91	Drilled	Domestic	429471	4952951
80521	192 Falcourt Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2008	123.32	6.09	2.13	4.57	4.54	91	Drilled	Domestic	429890	4953805
80548	178 Wright Lake Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2008	31.97	6.09	1.83	3.65	90.80	107	Drilled	Domestic	429886	4953285
80578	1238 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	105.05	18.57	16.75	3.65	4.54	103	Drilled	Domestic	431412	4953712
80802	108 Bushmill Court, Upper Tantallon	French Village	Halifax	2008	60.90	6.09	3.35		6.81	104	Drilled	Domestic	430744	4953175
80805	1539 Pockwock Road, Upper Hammonds Plains	Pockwock	Halifax	2008	42.63	6.09	2.74		9.08	130	Drilled	Domestic	432223	4957430
80841	115 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	105.05	10.05	4.26	3.65	5.68	96	Drilled	Domestic	430079	4953426
80905	565 Oceanstone Drive, Upper Tantallon, HRM	Hammonds Plains	Halifax	2008	109.62	12.18	3.04	12.18	13.62	107	Drilled	Domestic	429802	4953644
80918	1023 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	121.80	6.09	2.44	6.09	40.86	95	Drilled	Heat Transfer	430633	4953732
80919	1023 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	85.26	12.18	3.65	6.70	54.48	96	Drilled	Domestic	430622	4953722
80920	1023 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	121.80	6.09	2.44	6.09	2.27	98	Drilled	Heat Transfer	430639	4953710
80947	220 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	121.80	12.18	0.91	9.14	6.81	86	Drilled	Domestic	429981	4953860
80977	30 Chokeycherry Road, Upper Tantallon, HRM	Stillwater Lake	Halifax	2008	85.26	12.18	3.04	10.66	22.70	106	Drilled	Domestic	430293	4953011
81070	1079 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	97.44	12.18	3.04	6.09	6.81	89	Drilled	Domestic	430828	4953805
81075	1059 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	140.07	12.18	4.57	6.09	4.54	89	Drilled	Domestic	430779	4953787
81086	120 Bushmill Court, Upper Tantallon, HRM	Stillwater Lake	Halifax	2008	73.08	12.18	4.57	6.09	18.16	106	Drilled	Domestic	430789	4953170
81093	1033 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2008	121.80	12.18	4.57	6.09	13.62	92	Drilled	Domestic	430682	4953750
81795	206 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2008	86.78	9.44	3.04	4.57	12.48	88	Drilled	Domestic	429916	4953843
81797	357 Oceanstone Drive, Upper Tantallon	Stillwater Lake	Halifax	2008	56.33	12.18	0.30	4.57	34.05	102	Drilled	Domestic	429665	4953059
81837	565 Oceanstone Drive, Upper Tantallon	Upper Hammonds Plains	Halifax	2008	137.02	9.44	2.44			104	Drilled	Domestic	429755	4953416
81838	130 Bushmill Court, Upper Tantallon	Upper Hammonds Plains	Halifax	2008	62.42	12.18	3.04	4.57	31.78	100	Drilled	Domestic	430411	4953058
81839	15 Sheltered Lane, Upper Tantallon	Stillwater Lake	Halifax	2008	86.78	12.18	5.48	4.57	9.08	96	Drilled	Domestic	430381	4953377
81884	96 Bushmill Court, Upper Tantallon	Stillwater Lake	Halifax	2008	98.96	12.18	3.65	6.09	9.08	104	Drilled	Domestic	430714	4953127
82118	117 Chokeycherry Road, Upper Tantallon, HRM	Stillwater Lake	Halifax	2008	140.07	12.18	1.52		5.68	110	Drilled	Domestic	430016	4953033
90020	1045 Westwood Boulevard, Upper Tantallon	Pockwock	Halifax	2009	42.63	6.09	3.65		18.16	84	Drilled	Domestic	430734	4953771
90603	136 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2009	80.69	7.31	2.74	4.57	11.35	101	Drilled	Domestic	429710	4953732
90744	80 Bushmill Court, Upper Tantallon	Stillwater Lake	Halifax	2009	68.51	12.18	1.83	4.57	36.32	100	Drilled	Domestic	430646	4953156
90755	221 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	98.96	6.09	2.13	6.09	18.16	89	Drilled	Domestic	430043	4953728
90760	950 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	111.14	12.18	4.26	6.09	4.54	101	Drilled	Domestic	430594	4953455
90779	177 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	117.23	6.09	2.13	6.09	6.81	105	Drilled	Domestic	429902	4953658
90788	Windbreak Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	80.69	12.18	6.09	6.09	20.43	105	Drilled	Domestic	430901	4953097
90808	970 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	85.26	12.18	2.13	6.09	68.10	99	Drilled	Domestic	430626	4953500
90816	1060 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	117.23	12.18	6.09	6.09	7.94	94	Drilled	Domestic	430798	4953643
90840	78 Softwood Lane, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	44.15	12.18	4.57	4.57	90.80	96	Drilled	Domestic	430724	4953318
90852	1280 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2009	137.02	12.18	4.57		0.25	92	Drilled	Domestic	431413	4953886
90853	44 Thyme Lane, Upper Tantallon	Stillwater Lake	Halifax	2009	141.59	12.18	4.26	6.09	2.27	104	Drilled	Domestic	429482	4952848
91071	242 Windbreak Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2009	127.89	12.18	5.48	9.14	1.14	103	Drilled	Domestic	431064	4953123
100259	1174 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2010	98.96	14.62	12.48	4.26	6.81	105	Drilled	Domestic	431116	4953669
100430	51 Thyme Lane, Upper Tantallon, HRM	Stillwater Lake	Halifax	2010	54.81	12.18	2.13		68.10	98	Drilled	Domestic	429396	4952916
100504	220 Windbreak Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2010	109.62	18.27	11.57	9.14	15.89	105	Drilled	Domestic	430974	4953100
100607	19 Chokeycherry Road, Upper Tantallon	Stillwater Lake	Halifax	2010	73.08	9.74	6.70	7.61	13.62	104	Drilled	Domestic	430321	4953083
100608	171 Chokeycherry Road, Upper Tantallon	Stillwater Lake	Halifax	2010	133.98	9.14	4.57		0.02	111	Drilled	Domestic	429904	4952828
100761	1590? Pockwock Road, Upper Hammonds Plains, HRM	Pockwock	Halifax	2010	92.87	7.61	3.65	-0.03	4.54	112	Drilled	Domestic	432246	4957850
101241	990 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	111.14	12.18	2.44	6.09	9.08	97	Drilled	Domestic	430649	4953549
101245	125 Bushmill Court, Upper Tantallon	Stillwater Lake	Halifax	2010	50.24	12.18	5.48	6.09	68.10	107	Drilled	Domestic	430785	4953046
101249	219 Wright Lake Run, Upper Tantallon	Stillwater Lake	Halifax	2010	111.14	12.18	4.57		6.81	99	Drilled	Domestic	429830	4953474
101259	1160 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	106.58	15.22	10.66	6.09	22.70	108	Drilled	Domestic	431076	4953692
101260	92 Softwood Lane, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	74.60	12.18	4.87	6.09	27.24	101	Drilled	Domestic	430854	4953201
101262	1144 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	68.51	12.18	7.92	6.09	36.32	98	Drilled	Domestic	431025	4953687
101263	157 Chokeycherry Road, Upper Tantallon	Stillwater Lake	Halifax	2010	121.80	12.18	1.52	1.83	4.54	111	Drilled	Domestic	429962	4952870
101265	41 Sheltered Lane, Upper Tantallon	Stillwater Lake	Halifax	2010	44.15	12.18	6.09	6.09	68.10	99	Drilled	Domestic	430560	4952971
101266	219 Wright Lake Run, Upper Tantallon	Stillwater Lake	Halifax	2010	98.96	12.48	4.57	6.09	27.24	99	Drilled	Domestic	429830	4953474
101283	419 Wright Lake Run, Hammonds Plains	Upper Hammonds Plains	Halifax	2010	112.66	6.09	1.52	7.61	4.54	87	Drilled	Domestic	429179	4953452
101308	50 Waterbury Lane, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	98.96	12.18	3.04	6.09	22.70	91	Drilled	Domestic	430475	4953711
101328	445 Wright Lake Run, Upper Tantallon	Stillwater Lake	Halifax	2010	80.69	12.18	1.52	4.57	27.24	88	Drilled	Domestic	429130	4953381

Well Number	Address	Community	County	Year Installed	Well Depth (m)	Casing Depth (m)	Bedrock Depth (m)	Static (m)	Yield (Lpm)	Elevation (m)	Well Type	Water Use	Easting	Northing
101334	1080 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	111.14	12.18	6.09	4.57	4.54	97	Drilled	Domestic	430833	4953679
101364	1189 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	106.58	12.18	6.70	6.09	9.08	103	Drilled	Domestic	431155	4953748
101372	1273 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	137.02	16.44	12.18	6.09	1.14	97	Drilled	Domestic	431271	4953888
101374	1258 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2010	137.02	12.18	5.48	6.09	1.14	101	Drilled	Domestic	431380	4953795
110032	1257 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2011	103.53	18.27	13.09	6.09	11.35	100	Drilled	Domestic	431237	4953868
110041	525 Oceanstone Drive, Upper Tantallon, HRM	Stillwater Lake	Halifax	2011	91.35	12.18	1.22	4.57	4.54	108	Drilled	Domestic	429803	4953562
110078	243 Windbreak Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2011	109.62	12.18	5.48	7.61	6.81	102	Drilled	Domestic	431077	4953154
110394	Chokecherry Road, Upper Tantallon	Stillwater Lake	Halifax	2011	109.62	6.09	1.22	3.65	6.45	110	Drilled	Domestic	429966	4953005
110472	273 Oceanstone Drive, Upper Tantallon	Stillwater Lake	Halifax	2011	54.81	9.44	1.22	6.09	36.32	104	Drilled	Domestic	429764	4952854
110790	164 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2011	92.87	9.44	5.48	5.48	6.81	92	Drilled	Domestic	429829	4953806
110851	25 Waterbury Lane, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2011	50.24	9.14	4.26	4.57	45.40	96	Drilled	Domestic	430566	4953725
110881	1292 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2011	117.23	21.01	16.75	9.14	4.54	92	Drilled	Domestic	431450	4953971
110900	395 Oceanstone Drive, Upper Tantallon	Stillwater Lake	Halifax	2011	86.78	6.09	3.35	4.57	4.54	97	Drilled	Domestic	429627	4953140
110903	1100 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2011	106.58	12.18	2.44	6.09	11.35	97	Drilled	Domestic	430897	4953641
110934	755 Westwood Boulevard, Upper Tantallon	Stillwater Lake	Halifax	2011	68.51	12.18	4.57	4.57	29.51	102	Drilled	Domestic	430329	4952940
110938	89 Bushmill Court, Upper Tantallon	Stillwater Lake	Halifax	2011	74.60	12.18	6.09		27.24	106	Drilled	Domestic	430682	4953035
110943	403 Oceanstone Drive, Upper Tantallon	Stillwater Lake	Halifax	2011	80.69	6.09	4.26	4.57	11.35	99	Drilled	Domestic	429709	4953192
110946	457 Oceanstone Drive, Upper Tantallon	Stillwater Lake	Halifax	2011	137.02	12.18	6.09		1.14	103	Drilled	Domestic	429764	4953342
110952	152 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2011	137.02	6.09	3.04		1.14	103	Drilled	Domestic	429771	4953717
110960	71 Thyme Lane, Upper Tantallon	Stillwater Lake	Halifax	2011	56.33	12.18	2.13	6.09	68.10	100	Drilled	Domestic	429382	4952893
111489	56 Falcourt Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2011	91.35	12.18	8.53		9.08	88	Drilled	Domestic	429453	4953729
111511	18 Falcourt Run, Upper Tantallon, HRM	Stillwater Lake	Halifax	2011	73.08	12.18	2.13		11.35	86	Drilled	Domestic	429393	4953594
111529	1533 Pockwock Road, Upper Hammonds Plains, HRM	Pockwock	Halifax	2011	79.17	12.18	3.35	6.09	27.24	156	Drilled	Domestic	432561	4957519
111663	211 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2011	106.58	12.18	3.04		9.08	91	Drilled	Domestic	429999	4953662
120400	1625 Pockwock Road, Upper Hammonds Plains	Pockwock	Halifax	2012	73.08	6.09	3.35		4.54	128	Drilled	Domestic	432328	4957818
120863	33 Sheltered Lane, Upper Tantallon	Stillwater Lake	Halifax	2012	30.45	12.18	3.04	6.09	90.80	100	Drilled	Domestic	430584	4953007
120868	35 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	137.02	12.18	3.04			93	Drilled	Domestic	429492	4953599
120876	522 Oceanstone Drive, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	121.80	6.09	1.83	6.09	2.27	110	Drilled	Domestic	429722	4953536
120878	319 Wright Lake Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	106.58	6.09	2.44	6.09	15.89	95	Drilled	Domestic	429509	4953536
120883	351? Wright Lake Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	137.02	12.18	5.48		1.14	86	Drilled	Domestic	429404	4953509
120884	37 Thyme Lane, Upper Tantallon	Stillwater Lake	Halifax	2012	111.14	12.18	5.18	6.09	9.08	86	Drilled	Domestic	429432	4952992
120885	839 Westwood Boulevard, Upper Tantallon	Stillwater Lake	Halifax	2012	121.80	12.18	3.04	6.09	6.81	98	Drilled	Domestic	430357	4953200
120892	88 Softwood Lane, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	50.24	12.18	3.04	4.57	68.10	96	Drilled	Domestic	430772	4953334
120934	66 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	137.02	12.18	4.57		1.14	88	Drilled	Domestic	429484	4953771
120937	83 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2012	137.02	6.09	3.04		1.14	101	Drilled	Domestic	429581	4953629
120958	20 Thyme Lane, Upper Tantallon	Stillwater Lake	Halifax	2012	106.58	12.18	9.14	6.09	9.08	93	Drilled	Domestic	429542	4952905
121141	441 Oceanstone Drive, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2012	124.84	10.35	4.87	4.57	3.40	102	Drilled	Domestic	429724	4953282
121147	384 Oceanstone Drive, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2012	92.87	10.96	5.18	4.57	6.81	97	Drilled	Domestic	429598	4953138
121148	97 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2012	80.69	7.31	3.96	3.04	15.89	99	Drilled	Domestic	430138	4953411
121249	228 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2012	92.87	8.53	4.87	4.57	7.94	87	Drilled	Domestic	430051	4953816
130056	271 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	121.80	12.18	1.22		4.54	108	Drilled	Domestic	429664	4953507
130211	183 Chokecherry Road, Upper Tantallon, HRM	Stillwater Lake	Halifax	2013	121.80	12.18	2.44		2.27	110	Drilled	Domestic	429942	4952807
130584	1211 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2013	129.41	18.27	12.18	12.18	4.54	103	Drilled	Domestic	431187	4953790
130596	Wright Lake Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2013	56.33	6.09	2.44	3.04	68.10	90	Drilled	Domestic	429238	4954179
130643	1230 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2013	80.69	16.44	12.18	4.57	31.78	105	Drilled	Domestic	431362	4953699
130651	846 Westwood Boulevard, Upper Tantallon	Upper Hammonds Plains	Halifax	2013	80.69	12.18	4.57		36.32	96	Drilled	Domestic	430482	4953216
130894	399 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	121.80	12.18	3.65		4.54	89	Drilled	Domestic	429232	4953509
130902	1222 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	121.80	18.27	14.62		4.54	105	Drilled	Domestic	431364	4953658
130921	1229 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	115.71	18.27	14.01		4.54	100	Drilled	Domestic	431247	4953818
130925	36 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	121.80	12.18	2.13		1.14	86	Drilled	Domestic	429397	4953622
130932	46 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	73.08	12.18	3.65		9.08	86	Drilled	Domestic	429422	4953694
130972	1663 Pockwock Road, Upper Hammonds Plains, HRM	Pockwock	Halifax	2013	79.17	12.18	2.13		22.70	126	Drilled	Domestic	432459	4957936
131035	164 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2013	117.23	9.14	3.04	6.09	4.54	111	Drilled	Domestic	429943	4953316
140009	118 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	79.17	12.18	6.39		6.81	100	Drilled	Domestic	429682	4953720
140050	118 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	133.98	12.18	6.39		4.54	94	Drilled	Domestic	429665	4953766
140051	46 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	127.89	12.18	3.65		3.40	86	Drilled	Domestic	429422	4953694
140096	48 Wright Lake Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2014	91.35	12.18	9.74		0.00	96	Drilled	Domestic	430309	4953330

Well Number	Address	Community	County	Year Installed	Well Depth (m)	Casing Depth (m)	Bedrock Depth (m)	Static (m)	Yield (Lpm)	Elevation (m)	Well Type	Water Use	Easting	Northing
140523	923 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	133.98	12.18	2.13		4.54	96	Drilled	Domestic	430423	4953474
140533	67 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	127.89	12.18	1.83			94	Drilled	Domestic	430200	4953466
140534	365 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	79.17	12.18	1.83		22.70	81	Drilled	Domestic	429298	4953633
140535	100 Falcourt Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	133.98	12.18	0.91		6.81	95	Drilled	Domestic	429625	4953724
140536	48 Bushmill Court, Upper Tantallon, HRM	Stillwater Lake	Halifax	2014	60.90	12.18	3.35		18.16	98	Drilled	Domestic	430578	4953143
140537	133 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	133.98	12.18	1.52		6.81	99	Drilled	Domestic	430031	4953426
140542	25 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2014	48.72	12.18	1.83		18.16	95	Drilled	Domestic	430377	4953426
140968	1555 Pockwock Road, Upper Hammonds Plains	Pockwock	Halifax	2014	54.81	12.18	7.61	1.22	6.81	126	Drilled	Domestic	432231	4957500
150003	403 Oceanstone Drive, Upper Tantallon, HRM	Stillwater Lake	Halifax	2015	97.44	12.18	5.48		2.27	99	Drilled	Domestic	429709	4953192
150087	8116 Wright Lake Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2015	91.35	6.09	4.26		2.27	99	Drilled	Domestic	430218	4953243
150215	Wright Lake Run, Upper TANATALLON	Stillwater Lake	Halifax	2015	109.62	12.18	7.00	12.18	9.08	106	Drilled	Domestic	430046	4953285
150242	118 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2015	109.62	12.18	3.65		19.07	100	Drilled	Domestic	429676	4953737
150284	153 Wright Lake Run, Upper Tantallon, HRM	Hammonds Plains	Halifax	2015	54.81	12.18	3.04		27.24	102	Drilled	Domestic	429988	4953424
150291	403 Oceanstone Drive, Upper Tantallon, HRM	Stillwater Lake	Halifax	2015	97.44	12.18	5.48		2.27	99	Drilled	Domestic	429708	4953189
150653	386 Wright Lake Run, Upper Tantallon	Stillwater Lake	Halifax	2015	152.25	7.61	2.13	9.14	11.35	90	Drilled	Domestic	429311	4953452
150874	Pockwock Road (Lifestyles Lane), Pockwock area	Upper Hammonds Plains	Halifax	2015	97.44	12.18	3.65	3.04	31.78	156	Drilled	Domestic	432274	4956446
150902	97 Falcourt Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2015	80.69	6.09	3.04	9.14	18.16	108	Drilled	Domestic	429630	4953636
150914	543 Oceanstone Drive, Upper Tantallon	Upper Hammonds Plains	Halifax	2015	60.90	6.09	1.52	4.57	36.32	109	Drilled	Domestic	429816	4953607
160120	98 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2016	152.25	12.18	3.65		4.54	103	Drilled	Domestic	430154	4953301
160131	134 Wright Lake Run, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2016	152.25				4.54	105	Drilled	Domestic	430050	4953290
160319	84 Wright Lake Run, Upper Tantallon	Upper Hammonds Plains	Halifax	2016	152.25	12.18	5.48		4.00	103	Drilled	Domestic	430200	4953318
160353	1109 Westwood Boulevard, Upper Tantallon, HRM	Upper Hammonds Plains	Halifax	2016	121.80	12.18	4.26	6.09	1.14	92	Drilled	Domestic	430928	4953792
160819	103 Bushmill Court	Tantallon	Halifax	2016	79.17	12.18	2.44	3.04	11.35	106	Drilled	Domestic	430728	4953043
160842	1171 Westwood BLVD.	Upper Tantallon	Halifax	2016	121.80	18.27	14.92		2.27	101	Drilled	Domestic	431106	4953876
170037	372 Wright Lake Run	Upper Tantallon	Halifax	2017	79.17	6.09	2.44		4.54	89	Drilled	Domestic	429346	4953449
170413	1589 Pockwock Road	Hammonds Plains	Halifax	2017	85.26	12.18	8.22		4.54	123	Drilled	Domestic	432257	4957678
170525	48 Clearspring Lane	Tantallon	Halifax	2017	48.72	24.36	21.32		136.20	91	Drilled	Domestic	431025	4953871
170608	294 Oceanstone Drive	Upper Tantallon	Halifax	2017	38.06	7.00	2.44	3.04	68.10	100	Drilled	Domestic	429527	4952849
170934	1655 Pockwock Road	Upper Hammonds Plains	Halifax	2017	110.23	7.31	0.30	2.13	11.35	119	Drilled	Domestic	432387	4957929
180003	438 Wright Lake Run	Upper Tantallon	Halifax	2018	121.80	12.18	1.83		2.27	97	Drilled	Domestic	429199	4953340
180133	37 Waterbury Lane	Upper Tantallon	Halifax	2018	42.63	12.18	4.57		68.10	92	Drilled	Domestic	430506	4953732
180273	1095 Westwood BLVD.	Upper Tantallon	Halifax	2018	97.44	12.18	3.35	6.09	11.35	91	Drilled	Domestic	430881	4953781
180281	175 Wright Lake Run	Upper Tantallon	Halifax	2018	97.44	12.18	3.65	6.09	6.81	92	Drilled	Domestic	429952	4953462
180299	Westwood Boulevard	Upper Tantallon	Halifax	2018	109.62	12.18	3.96		4.54	100	Drilled	Domestic	431180	4953634
180481	412 Wright Lake Run	Upper Tantallon	Halifax	2018	73.08	6.09	1.52		4.54	96	Drilled	Domestic	429225	4953337
180946	1599 Pockwock Road	Upper Hammonds Plains	Halifax	2018	91.35	6.09	1.52	1.52	1.51	126	Drilled	Domestic	432301	4957706
190108	Thyme Lane	Upper Tantallon	Halifax	2019	66.99	12.18	1.83		27.24	90	Drilled	Domestic	429303	4952904
190709	98 Drift Scape Lane	Tantallon	Halifax	2019	103.53	12.18	3.65	3.04	13.62	89	Drilled	Domestic	429176	4953192
200428	Wright Lake Run	Upper Tantallon	Halifax	2020	133.98	12.18	6.09		1.14	96	Drilled	Domestic	430374	4953306
200440	332 Wright Lake Run	Upper Tantallon	Halifax	2020	42.63	12.18	1.52		22.70	87	Drilled	Domestic	429433	4953440
200448	1196 Westwood Boulevard	Upper Tantallon	Halifax	2020	152.25	18.27	13.70		1.14	101	Drilled	Domestic	431232	4953575
200453	1202 Westwood Boulevard	Upper Tantallon	Halifax	2020	124.84	18.27	12.18		3.40	103	Drilled	Domestic	431279	4953599
690854		Upper Hammonds Plains	Halifax	1969	41.11	20.71	19.79		9.08	136	Drilled	Domestic	432500	4955500
691004	Pockwock Corner	Pockwock	Halifax	1969	24.36		15.22		22.70	110	Drilled	Domestic	432500	4958500
700736		Upper Hammonds Plains	Halifax	1970	25.88	6.39	1.83		27.24	136	Drilled	Domestic	432500	4955500
710419		Pockwock	Halifax	1971	19.79	3.04	0.61		9.08	110	Drilled	Domestic	432500	4958500
710423		Pockwock	Halifax	1971	15.22	15.22	15.22		13.62	110	Drilled	Domestic	432500	4958500
710434		Pockwock	Halifax	1971	8.53	6.39	6.09		68.10	110	Drilled	Domestic	432500	4958500
710449		Pockwock	Halifax	1971	10.66	3.04			158.90	110	Drilled	Domestic	432500	4958500
720490		Pockwock	Halifax	1972	7.92	4.26			45.40	110	Drilled	Domestic	432500	4958500
720497		Pockwock	Halifax	1972						110	Drilled		432500	4958500
720529		Pockwock	Halifax	1972	15.22	6.09	5.48		13.62	110	Drilled	Domestic	432500	4958500
752592		Pockwock	Halifax	1975	38.06	6.70	1.22		22.70	110	Drilled	Domestic	432500	4958500
761716		Upper Hammonds Plains	Halifax	1976	33.50	6.39	3.04	9.14	20.43	136	Drilled	Domestic	432500	4955500
860906	Lucasville Road	Lucasville	Halifax	1986	66.99	12.18	10.35		4.54	154	Drilled	Domestic	432500	4956500
862002		Mount Uniacke	Hants	1986	38.06	18.27	15.22	8.83	22.70	167	Drilled		433500	4970500
880535	277 Old Windsor Highway	Mount Uniacke	Hants	1988	37.76	6.09	1.83		45.40	166	Drilled	Domestic	434500	4970500

Well Number	Address	Community	County	Year Installed	Well Depth (m)	Casing Depth (m)	Bedrock Depth (m)	Static (m)	Yield (Lpm)	Elevation (m)	Well Type	Water Use	Easting	Northing	
882660		Pockwock	Halifax	1988	38.06				13.62	136	Drilled	Domestic	432500	4955500	
901069	Pockwock Road	Pockwock	Halifax	1990	25.88	6.09			54.48	149	Drilled		432500	4957500	
912395		Pockwock	Halifax	1991	50.24	14.31	11.57	3.04	18.16	136	Drilled	Domestic	432500	4955500	
920338		Pockwock	Halifax	1992	53.29	6.09	1.52		4.54	136	Drilled	Domestic	432500	4955500	
920358	Halfway Lake	Pockwock	Halifax	1992	62.42		24.66	10.66	5.45	154	Drilled	Domestic	432500	4956500	
950136	Pockwock Road, Hammonds Plains	English Corner	Halifax	1995	45.68	6.70	0.91	2.13	22.70	160	Drilled	Domestic	432476	4956247	
952640		Mount Uniacke	Hants	1995	76.12	12.18		6.09	4.54	166	Drilled	Domestic	434500	4970500	
960112	107 Bluenose Avenue, Pleasantville	Stillwater	Hants	1996	28.93	7.31	3.65		13.62	173	Drilled	Domestic	426500	4967500	
961618	Mill Road	Mount Uniacke	Hants	1996	92.26	6.09		1.52	2.27	166	Drilled	Domestic	434500	4970500	
970048	Homesite 30	Pockwock	Halifax	1997	60.90	6.09	3.96		4.54	93	Drilled	Domestic	431500	4953500	
990067	1175 Pockwock Road	Hammonds Plains	Halifax	1999	45.68	6.09	3.04	3.35	13.62	160	Drilled	Domestic	432553	4956254	
990739		Pockwock	Halifax	1999	66.99	34.71		1.22	15.89	136	Drilled	Domestic	432500	4955500	
990744		Pockwock	Halifax	1999	34.10	33.50		1.83	544.80	136	Drilled	Domestic	432500	4955500	
991889	Hammonds Plains	Pockwock	Halifax	1999	42.63	12.18	11.27	4.57	36.32	136	Drilled	Domestic	432500	4955500	
Statistics				Minimum	1969	7.92	3.04	-0.03	0.00	81					
				Maximum	2020	165.95	42.63	39.58	30.45	544.80	173				
				Average	n/a	89.42	11.18	4.85	6.07	21.87	106				

Blank = no data.

APPENDIX D
WATERCOURSES

WATERCOURSE ID	FLOW TYPE	WATER DEPTH (m)	VELOCITY (m/s)	BANKFULL WIDTH (m)	HABITAT CHARACTERISTICS	DIRECTION OF FLOW	SUBSTRATE COMPOSITION (%)	ENTRENCHMENT	BANK STABILITY
WC1	Intermittent	0.08-0.15	0.00	0.56	Flat	West	Boulder (10), Rubble (20), Cobble (30), Gravel (10), Muck (30)	Highly Entrenched	High
WC2	Ephemeral	0.00	0.00	1.30	N/A	West	Bedrock (10), Boulder (30), Rubble (20), Cobble (20), Gravel (10), Muck (10)	Slightly Entrenched	High
WC3	Perennial	0.09-0.11	0.33	7.50	Riffle	North	Boulder (10), Rubble (20), Cobble (10), Gravel (40), Muck (20)	Slightly Entrenched	Moderate
WC4	Intermittent	0.09-0.22	N/A	0.98-1.8	Pool	Southeast	Boulder (40), Rubble (20), Muck (40)	Moderately Entrenched	High
WC5	Perennial	0.5-1.5	0.01	5.5-10	Flat, Run	North	Muck (100)	Not Entrenched	High
WC6	Intermittent	0.12-0.13	0.00	0.58-0.78	Pool	South	Rubble (50), Sand (50)	Moderately Entrenched	Moderate
WC7	Intermittent	0.40-0.48	0.00	0.92	Pool, Flat	Northeast	Rubble (30), Gravel (20), Muck (50)	Not Entrenched	Moderate
WC8	Ephemeral	0.10	0.01	0.24	No Defined Channel	North	Muck (100)	Not Entrenched	High
WC9	Perennial	0.09-0.21	0.02-0.23	2.55-6.10	Riffle, Flat, Pool	South	Cobble (60), Gravel (20), Sand (20)	Moderately Entrenched	Moderate
WC10	Intermittent	0.09	N/A	1.46	Riffle	North	Boulder (90), Gravel (10)	Moderately Entrenched	High
WC11	Perennial	0.12-0.45	0.00-0.20	0.99-7.5	Pool, Riffle, Flat, Run	South	Bedrock (25), Boulder (25), Muck (50)	Heavily Entrenched	Moderate
WC12	Intermittent	0.30-0.46	0.05	1.40	Flat	Southwest	Muck (100)	Slightly Entrenched	Moderate
WC13	Ephemeral	0.21-0.26	0.05	0.80	Flat	Southeast	Boulder (30), Rubble (20), Sand (25), Silt (15), Muck (10)	Slightly Entrenched	Moderate
WC14	Perennial	0.03-0.13	0.18	8.82	Riffle, Pool, Run	Northwest	Boulder (20), Rubble (40), Cobble (20), Sand (20)	Highly Entrenched	High
WC15	Intermittent	0.05-0.60	0.06	0.70	Flat	West	Muck (100)	Slightly Entrenched	Moderate
WC16	Perennial	0.04-0.13	0.05	1.94	Riffle	South	Boulder (10), Rubble (15), Cobble (30), Gravel (10), Sand (30), Muck (5)	Slightly Entrenched	Moderate
WC17	Perennial	0.01-0.09	0.05	2.25	Pool	North	Boulder (15), Rubble (40), Cobble (20), Gravel (5), Sand (20)	Slightly Entrenched	Low
WC18	Intermittent	0.15-0.35	0.05-0.07	0.93-1.9	Riffle, Run, Flat	South	Muck (100)	Moderately Entrenched	Moderate
WC19	Intermittent	0.07	0.05	0.68-0.96	Riffle, Run, Flat	Southwest	Rubble (25), Muck (75)	Slightly Entrenched	Moderate
WC20	Perennial	0.05-0.20	0.00	2.05	Pool	West	Rubble (10), Sand (30), Muck (60)	Slightly Entrenched	Moderate
WC21	Perennial	0-0.2	0.00	1.20	Pool	South	Boulder (10), Rubble (40), Cobble (20), Sand (30)	Highly Entrenched	High

WATERCOURSE ID	FLOW TYPE	WATER DEPTH (m)	VELOCITY (m/s)	BANKFULL WIDTH (m)	HABITAT CHARACTERISTICS	DIRECTION OF FLOW	SUBSTRATE COMPOSITION (%)	ENTRENCHMENT	BANK STABILITY
WC22	Intermittent	0-0.14	0.05	1.70	Pool	South	Boulder (30), Muck (70)	Slightly Entrenched	Moderate
WC23	Perennial	0-0.07	0.05	1.00	Pool	Southwest	Boulder (65), Rubble (20), Sand (15)	Slightly Entrenched	High
WC24	Perennial	0-0.12	0.05	13.50	Pool	West	Boulder (30), Rubble (20), Cobble (10), Sand (40)	Highly Entrenched	High
WC25	Perennial	0.11-0.34	0.00	1.86	Run	Southeast	Muck (100)	Slightly Entrenched	Moderate
WC26	Perennial	0.21-0.27	0.16	1.58	Riffle	West	Boulder (35), Cobble (45), Gravel (20)	Moderately Entrenched	High
WC27	Intermittent	0.01-0.15	0.01	0.5-1	Riffle	Southeast	Boulder (80), Cobble (5), Gravel (5)	Moderately Entrenched	High
WC28	Perennial	0.09-0.22	0.09	2.38	Run	South	Rubble (15), Cobble (40), Gravel (45)	Moderately Entrenched	Moderate
WC29	Perennial	0.13-0.36	0.05-0.07	1.4-2.6	Flat, Riffle, Pool	Southeast	Boulder (30), Rubble (30), Gravel (20), Muck (20)	Moderately Entrenched	High
WC30	Perennial	0.02-0.08	0.05	3.10	Flat,Pool	South	Boulder (60), Rubble (10), Muck (30)	Slightly Entrenched	High
WC31	Perennial	0.04-0.19	0.11	2.75	Pool,Run	Southwest	Boulder (10), Rubble (15), Cobble (5), Gravel (40), Sand (30)	Slightly Entrenched	High
WC32	Perennial	0.06-0.16	0.05	2.40	Run,Flat	Southwest	Boulder (80), Rubble (10), Muck (10)	Slightly Entrenched	High



Photo 1: Representative photo of WC1.



Photo 2: Representative photo of WC2.

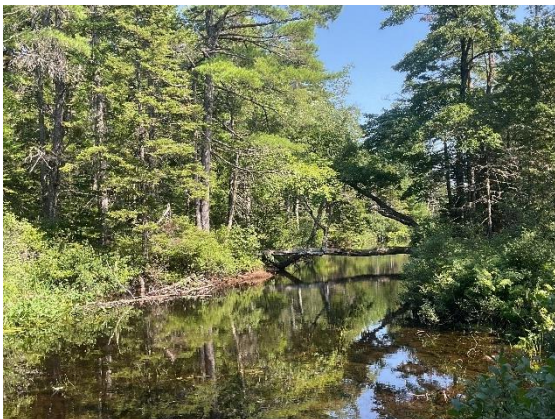


Photo 3: Representative photo of WC3.



Photo 4: Representative photo of WC4.



Photo 5: Representative photo of WC5.



Photo 6: Representative photo of WC6.



Photo 7: Representative photo of WC7.



Photo 8: Representative photo of WC8.



Photo 9: Representative photo of WC9.



Photo 10: Representative photo of WC10.



Photo 11 Representative photo of WC11.



Photo 12: Representative photo of WC12.



Photo 13: Representative photo of WC13.



Photo 15: Representative photo of WC15.



Photo 16: Representative photo of WC16.



Photo 17: Representative photo of WC17.



Photo 18: Representative photo of WC18.



Photo 19: Representative photo of WC19.



Photo 20: Representative photo of WC20.



Photo 21: Representative photo of WC21.

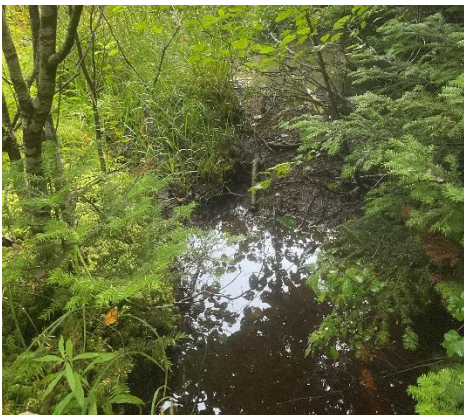


Photo 22: Representative photo of WC22.



Photo 23: Representative photo of WC23.



Photo 24: Representative photo of WC24.



Photo 25: Representative photo of WC25.



Photo 26: Representative photo of WC26.



Photo 27: Representative photo of WC27.



Photo 28: Representative photo of WC28.



Photo 29: Representative photo of WC29.



Photo 30: Representative photo of WC30.



Photo 31: Representative photo of WC31.



Photo 32: Representative photo of WC32.

APPENDIX E
ACCDC REPORT

DATA REPORT 8064: Melvin Lake, NS

Prepared 16 May 2024
by C. Robicheau, Conservation Data
Analyst

CONTENTS OF REPORT

1.0 Preface

- 1.1 Data List
- 1.2 Restrictions
- 1.3 Additional Information
- Map 1: Buffered Study Area

2.0 Rare and Endangered Species

- 2.1 Flora
- 2.2 Fauna
- Map 2: Flora and Fauna

3.0 Special Areas

- 3.1 Managed Areas
- 3.2 Significant Areas
- Map 3: Special Areas

4.0 Rare Species Lists

- 4.1 Fauna
- 4.2 Flora
- 4.3 Location Sensitive Species
- 4.4 Source Bibliography

5.0 Rare Species within 100 km

- 5.1 Source Bibliography



Map 1. A 100 km buffer around the study area

1.0 PREFACE

The Atlantic Canada Conservation Data Centre (AC CDC; www.accdc.com) is part of a network of NatureServe data centres and heritage programs serving 50 states in the U.S.A, 10 provinces and 1 territory in Canada, plus several Central and South American countries. The NatureServe network is more than 30 years old and shares a common conservation data methodology. The AC CDC was founded in 1997, and maintains data for the jurisdictions of New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador. Although a non-governmental agency, the AC CDC is supported by 6 federal agencies and 4 provincial governments, as well as through outside grants and data processing fees.

Upon request and for a fee, the AC CDC queries its database and produces customized reports of the rare and endangered flora and fauna known to occur in or near a specified study area. As a supplement to that data, the AC CDC includes locations of managed areas with some level of protection, and known sites of ecological interest or sensitivity.

1.1 DATA LIST

Included datasets:

<u>Filename</u>	<u>Contents</u>
MelvinLkNS_8064ob.xls	Rare or legally-protected Flora and Fauna in your study area
MelvinLkNS_8064ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
MelvinLkNS_8064msa.xls	Managed and Biologically Significant Areas in your study area

1.2 RESTRICTIONS

The AC CDC makes a strong effort to verify the accuracy of all the data that it manages, but it shall not be held responsible for any inaccuracies in data that it provides. By accepting AC CDC data, recipients assent to the following limits of use:

- a) Data is restricted to use by trained personnel who are sensitive to landowner interests and to potential threats to rare and/or endangered flora and fauna posed by the information provided.
- b) Data is restricted to use by the specified Data User; any third party requiring data must make its own data request.
- c) The AC CDC requires Data Users to cease using and delete data 12 months after receipt, and to make a new request for updated data if necessary at that time.
- d) AC CDC data responses are restricted to the data in our Data System at the time of the data request.
- e) Each record has an estimate of locational uncertainty, which must be referenced in order to understand the record's relevance to a particular location. Please see attached Data Dictionary for details.
- f) AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
- g) The absence of a taxon cannot be inferred by its absence in an AC CDC data response.

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

Please direct any additional questions about AC CDC data to the following individuals:

Plants, Lichens, Ranking Methods, All other Inquiries

Sean Blaney
Senior Scientist / Executive Director
(506) 364-2658
sean.blaney@accdc.ca

Animals (Fauna)

John Klymko
Zoologist
(506) 364-2660
john.klymko@accdc.ca

Data Management, GIS

Charity Robicheau
Senior Conservation Data Analyst
(902) 300-3512
charity.robicheau@accdc.ca

Billing

Jean Breau
Financial Manager / Executive Assistant
(506) 364-2657
jean.breau@accdc.ca

Questions on the biology of Federal Species at Risk can be directed to AC CDC: (506) 364-2658, with questions on Species at Risk regulations to: Samara Eaton, Canadian Wildlife Service (NB and PE): (506) 364-5060 or Julie McKnight, Canadian Wildlife Service (NS): (902) 426-4196.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in New Brunswick, please contact Hubert Askanas, Energy and Resource Development: (506) 453-5873.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in Nova Scotia, please contact Donna Hurlburt, NS DLF: (902) 679-6886. To determine if location-sensitive species (section 4.3) occur near your study site please contact a NS DLF Regional Biologist:

Western: Emma Vost
(902) 670-8187
Emma.Vost@novascotia.ca

Western: Sarah Spencer
(902) 541-0081
Sarah.Spencer@novascotia.ca

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Eastern: Harrison Moore
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Eastern: Maureen Cameron-MacMillan
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Maureen.Cameron-MacMillan@novascotia.ca

Eastern: Elizabeth Walsh
(902) 563-3370
Elizabeth.Walsh@novascotia.ca

For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Garry Gregory, PEI Dept. of Communities, Land and Environment: (902) 569-7595.

2.0 RARE AND ENDANGERED SPECIES

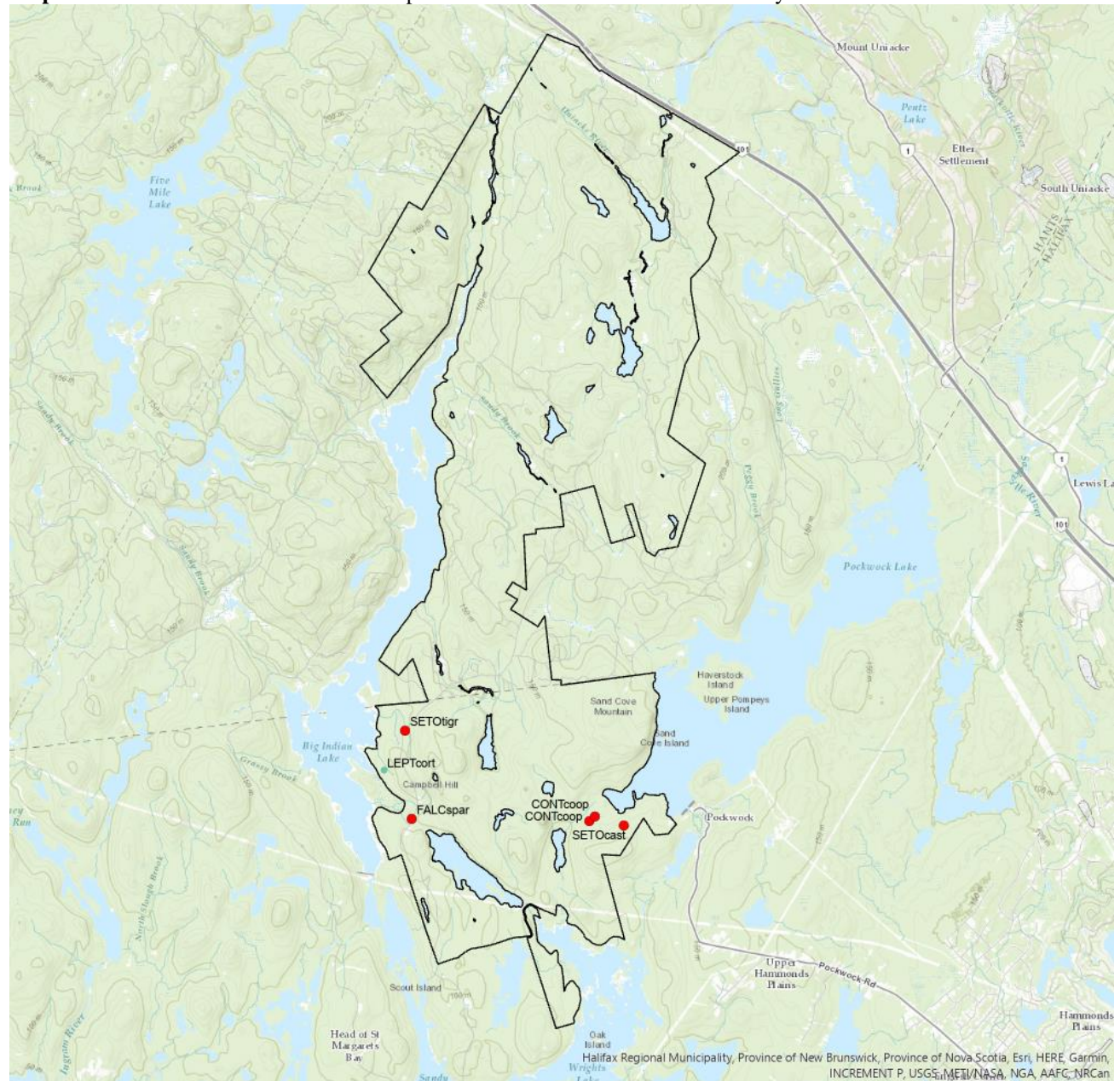
2.1 FLORA

The study area contains no records of vascular and 1 record of 1 nonvascular flora (Map 2 and attached: *ob.xls), excluding 'location-sensitive' species.

2.2 FAUNA

The study area contains 6 records of 4 vertebrate and no records of invertebrate fauna (Map 2 and attached data files - see 1.1 Data List), excluding 'location-sensitive species'. Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

Map 2: Known observations of rare and/or protected flora and fauna within the study area.



RESOLUTION

- 4.7 within 50s of kilometers
- 4.0 within 10s of kilometers
- 3.7 within 5s of kilometers
- △ 3.0 within kilometers
- △ 2.7 within 500s of meters
- ◇ 2.0 within 100s of meters
- ◇ 1.7 within 10s of meters

HIGHER TAXON

- vertebrate fauna
- invertebrate fauna
- vascular flora
- nonvascular flora

3.0 SPECIAL AREAS

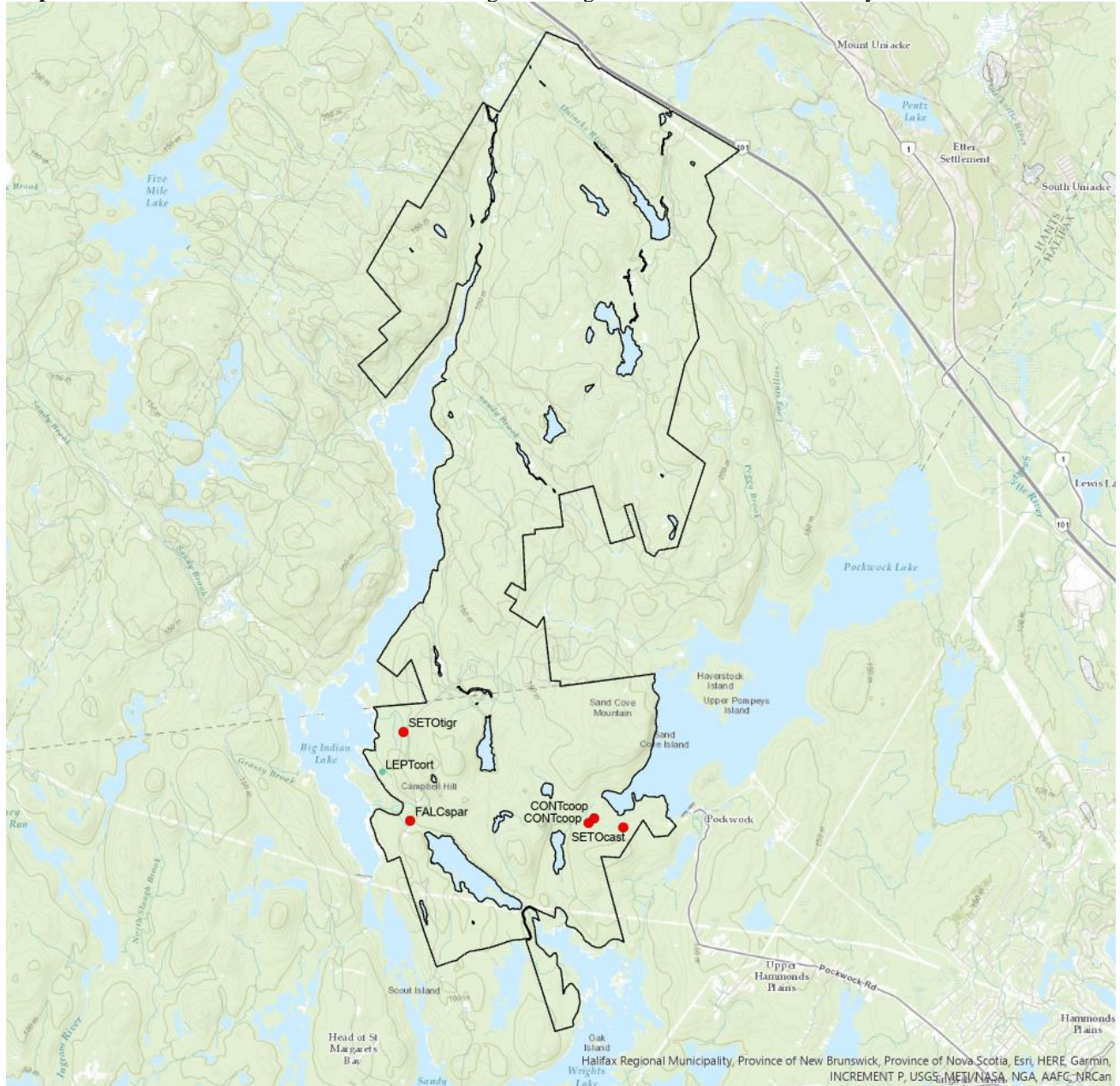
3.1 MANAGED AREAS

The GIS scan identified 4 managed areas in the vicinity of the study area (Map 3 and attached file: *ma*.xls).

3.2 SIGNIFICANT AREAS

The GIS scan identified no biologically significant sites in the vicinity of the study area (Map 3 and attached file: *sa*.xls).

Map 3: Boundaries and/or locations of known Managed and Significant Areas within the study area.



 Managed Area  Significant Area

4.0 RARE SPECIES LISTS

Rare and/or endangered taxa (excluding “location-sensitive” species, section 4.3) within the study area listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (\pm the precision, in km, of the record). [P] = vascular plant, [N] = nonvascular plant, [A] = vertebrate animal, [I] = invertebrate animal, [C] = community. Note: records are from attached files *ob.xls/*ob.shp only.

4.1 FLORA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	1	5.4 \pm 0.01

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	3	5.6 \pm 0.15
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	1	6.0 \pm 0.15
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	1	4.6 \pm 0.15
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	1	5.8 \pm 0.15

4.3 LOCATION SENSITIVE SPECIES

The Department of Natural Resources in each Maritimes province considers a number of species “location sensitive”. Concern about exploitation of location-sensitive species precludes inclusion of precise coordinates in this report. Those intersecting your study area are indicated below with “YES”.

Nova Scotia

Scientific Name	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
<i>Fraxinus nigra</i>	Black Ash		Threatened	No
<i>Emydoidea blandingii</i>	Blanding's Turtle - Nova Scotia pop.	Endangered	Endangered	No
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	No
<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius pop.		Vulnerable	No
<i>Bat hibernaculum or bat species occurrence</i>		[Endangered] ¹	[Endangered] ¹	No

¹ *Myotis lucifugus* (Little Brown Myotis), *Myotis septentrionalis* (Long-eared Myotis), and *Perimyotis subflavus* (Tri-colored Bat or Eastern Pipistrelle) are all Endangered under the Federal Species at Risk Act and the NS Endangered Species Act.

4.4 SOURCE BIBLIOGRAPHY

The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

# recs	CITATION
6	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
2	Nova Scotia Dept Natural Resources, Forestry Branch. 2007. Restricted & Limited Use Land Database (RLUL). , http://www.gov.ns.ca/natr/FORESTRY/rlul/downloadrlul.htm .
1	Amirault, D.L. 1995. Atlantic Canada Conservation Area Database (ARCAD). Canadian Wildlife Service, Sackville.
1	Canadian Wildlife Service. 2019. Canadian Protected and Conserved Areas Database (CPCAD). December 2019. ECCC. https://www.canada.ca/en/environment-climate-change/services/national-wildlife-areas/protected-conserved-areas-database.html .
1	Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.

5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 49018 records of 160 vertebrate and 2490 records of 75 invertebrate fauna; 15082 records of 293 vascular and 3465 records of 210 nonvascular flora (attached: *ob100km.xls).

Taxa within 100 km of the study site that are rare and/or endangered in the province in which the study site occurs (including “location-sensitive” species). All ranks correspond to the province in which the study site falls, even for out-of-province records. Taxa are listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (\pm the precision, in km, of the record).

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Coregonus huntsmani</i>	Atlantic Whitefish	Endangered	Endangered	Endangered	S1	147	66.6 \pm 1.0	NS
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	482	10.5 \pm 0.1	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	51	18.8 \pm 0.15	NS
A	<i>Perimyotis subflavus</i>	Tricolored Bat	Endangered	Endangered	Endangered	S1	65	18.8 \pm 0.15	NS
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	41	12.7 \pm 0.5	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	27	10.8 \pm 0.5	NS
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	1068	37.9 \pm 0.2	NS
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	66	23.3 \pm 0.1	NS
A	<i>Dermochelys coriacea pop. 2</i>	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	3	23.6 \pm 5.0	NS
A	<i>Morone saxatilis pop. 2</i>	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	4	27.9 \pm 0.5	NS
A	<i>Lasiurus cinereus</i>	Hoary Bat	Endangered			SUB, S1M	47	33.3 \pm 0.1	NS
A	<i>Lasionycteris noctivagans</i>	Silver-haired Bat	Endangered			SUB,S1M	15	33.0 \pm 0.2	NS
A	<i>Lasiurus borealis</i>	Eastern Red Bat	Endangered			SUB,S1M	1	48.1 \pm 0.1	NS
A	<i>Lamna nasus pop. 1</i>	Porbeagle - Northwest Atlantic population	Endangered				1	81.2 \pm 0.2	NS
A	<i>Emydoidea blandingii pop. 1</i>	Blanding's Turtle - Nova Scotia population	Endangered				3428	64.3 \pm 1.0	NS
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	1	96.4 \pm 7.07	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	33	31.7 \pm 7.07	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	1687	9.4 \pm 0.03	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1590	5.6 \pm 7.07	NS
A	<i>Thamnophis saurita pop. 3</i>	Eastern Ribbonsnake - Atlantic population	Threatened	Threatened	Threatened	S2S3	555	73.8 \pm 0.01	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	1277	4.7 \pm 7.07	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	102	26.4 \pm 0.5	NS
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened			S2S3N	12	24.9 \pm 0.5	NS
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	29	25.1 \pm 1.4	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	934	21.6 \pm 0.2	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	117	11.9 \pm 0.2	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	3	31.3 \pm 0.33	NS
A	<i>Ixobrychus exilis</i>	Least Bittern	Threatened	Threatened		SUB	2	34.1 \pm 0.2	NS
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	44	34.7 \pm 7.07	NS
A	<i>Salmo salar pop. 12</i>	Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population	Special Concern			S1	7	93.7 \pm 0.2	NS
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	15	15.5 \pm 7.07	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	29	39.7 \pm 0.2	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	272	4.7 \pm 7.07	NS
A	<i>Histrionicus histrionicus pop.</i>	Harlequin Duck - Eastern	Special Concern	Special Concern	Endangered	S2N	72	34.6 \pm 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	1	population							
A	<i>Balaenoptera physalus pop. 1</i>	Fin Whale - Atlantic population	Special Concern	Special Concern		S2S3	2	46.4 ± 0.2	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	13	38.8 ± 0.05	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	537	9.2 ± 0.2	NS
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1275	4.7 ± 7.07	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	1147	5.6 ± 7.07	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	644	4.7 ± 7.07	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	1077	4.5 ± 0.15	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	881	5.6 ± 7.07	NS
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	710	5.6 ± 7.07	NS
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern		S3N,SUM	21	20.3 ± 0.2	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	1181	5.6 ± 7.07	NS
A	<i>Phocoena phocoena pop. 1</i>	Harbour Porpoise - Northwest Atlantic Population	Special Concern			S4	18	31.8 ± 0.2	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	812	9.4 ± 0.2	NS
A	<i>Calidris subruficollis</i>	Buff-breasted Sandpiper	Special Concern	Special Concern		SNA	52	43.0 ± 0.2	NS
A	<i>Anarhichas lupus</i>	Atlantic Wolffish	Special Concern	Special Concern		SNR	5	21.9 ± 0.2	NS
A	<i>Bucephala islandica pop. 1</i>	Barrow's Goldeneye - Eastern Population	Special Concern	Special Concern			20	21.0 ± 0.2	NS
A	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Special Concern	Special Concern			1	62.5 ± 0.2	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	13	16.0 ± 0.15	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	41	18.3 ± 0.98	NS
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S1B	1	53.1 ± 0.2	NS
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk		Vulnerable	S1B,SUM	156	27.6 ± 2.0	NS
A	<i>Sorex dispar</i>	Long-tailed Shrew	Not At Risk			S2	2	59.6 ± 0.5	NS
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S2?B,SUM	4	48.4 ± 7.07	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	2	72.6 ± 1.0	NS
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	3	42.3 ± 0.2	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	37	6.8 ± 0.1	NS
A	<i>Megaptera novaeangliae</i>	Humpback Whale	Not At Risk			S3	5	40.2 ± 0.2	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	271	10.0 ± 7.07	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	100	27.8 ± 7.07	NS
A	<i>Buteo lagopus</i>	Rough-legged Hawk	Not At Risk			S3N	1	43.0 ± 0.21	NS
A	<i>Accipiter atricapillus</i>	American Goshawk	Not At Risk			S3S4	159	9.9 ± 0.2	NS
A	<i>Glaucomys volans</i>	Southern Flying Squirrel	Not At Risk			S3S4	6	42.1 ± 0.2	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	5	24.0 ± 0.05	NS
A	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	149	21.6 ± 7.07	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	648	26.4 ± 0.5	NS
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S2S3B,S2S3N	29	28.6 ± 0.98	NS
A	<i>Gadus morhua</i>	Atlantic Cod	E,SC,DD			SNR	11	33.3 ± 0.2	NS
A	<i>Salmo salar</i>	Atlantic Salmon	E,T,SC			S1B,S1N	14	11.8 ± 0.26	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	38	28.9 ± 0.2	NS
A	<i>Alces alces</i>	Moose				S1	6	22.1 ± 0.26	NS
A	<i>Uria aalge</i>	Common Murre				S1?B	7	31.7 ± 0.2	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	45	27.2 ± 0.2	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	13	31.6 ± 0.2	NS
A	<i>Gallinula galeata</i>	Common Gallinule				S1B	8	25.7 ± 7.07	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	35	24.4 ± 7.07	NS
A	<i>Cistothorus palustris</i>	Marsh Wren				S1B	2	67.9 ± 0.15	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	87	17.8 ± 7.07	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	23	31.7 ± 7.07	NS
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	1881	21.2 ± 0.2	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	1351	13.1 ± 0.15	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	72	16.8 ± 0.2	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	22	24.4 ± 7.07	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	317	10.8 ± 0.1	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	4	41.8 ± 0.2	NS
A	<i>Pooecetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	67	5.6 ± 7.07	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	43	34.5 ± 0.25	NS
A	<i>Alca torda</i>	Razorbill				S2B	26	27.8 ± 0.2	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	31	37.1 ± 0.2	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	36	28.1 ± 0.15	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	207	12.0 ± 7.07	NS
A	<i>Somateria mollissima</i>	Common Eider				S2B,S2N,S4M	927	13.9 ± 10.02	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	29	21.0 ± 0.2	NS
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	36	21.7 ± 0.2	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	53	10.0 ± 7.07	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	1463	23.8 ± 0.2	NS
A	<i>Melanitta perspicillata</i>	Surf Scoter				S2N,S4M	60	31.6 ± 0.2	NS
A	<i>Melanitta deglandi</i>	White-winged Scoter				S2N,S4M	46	23.9 ± 0.24	NS
A	<i>Martes americana</i>	American Marten			Endangered	S2S3	3	52.8 ± 0.2	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	25	5.6 ± 7.07	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	24	32.7 ± 0.15	NS
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	19	37.1 ± 0.2	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	296	5.6 ± 7.07	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	67	20.1 ± 8.4	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	136	10.1 ± 0.2	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	57	17.5 ± 0.27	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	119	23.1 ± 0.2	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	258	26.4 ± 0.5	NS
A	<i>Numerius phaeopus hudsonicus</i>	Whimbrel				S2S3M	278	33.1 ± 7.22	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	4	41.7 ± 0.5	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	623	4.7 ± 7.07	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	564	4.7 ± 7.07	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	585	3.2 ± 0.15	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	141	11.3 ± 0.2	NS
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	1	46.0 ± 0.5	NS
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	1	47.2 ± 1.0	NS
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3	1	59.6 ± 0.5	NS
A	<i>Pekania pennanti</i>	Fisher				S3	13	28.7 ± 0.2	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	6	38.5 ± 0.2	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	90	25.7 ± 7.07	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	652	5.6 ± 7.07	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	1826	19.4 ± 7.07	NS
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	51	15.9 ± 7.07	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	60	25.5 ± 7.07	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	275	12.0 ± 7.07	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	523	5.6 ± 7.07	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	32	10.8 ± 1.0	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	2068	10.4 ± 7.07	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	319	4.7 ± 7.07	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S4S5N,S5M	334	19.4 ± 7.07	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	655	10.0 ± 7.07	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	125	10.0 ± 7.07	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	108	4.7 ± 7.07	NS
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	140	5.6 ± 7.07	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	135	4.6 ± 0.15	NS
A	<i>Branta bernicla</i>	Brant				S3M	3	43.1 ± 0.2	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	2038	20.6 ± 0.5	NS
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	793	26.4 ± 0.5	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	1679	21.6 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	349	24.4 ± 0.2	NS
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	1295	26.4 ± 0.5	NS
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	29	30.9 ± 0.2	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	156	5.6 ± 7.07	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	273	5.6 ± 7.07	NS
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	204	15.5 ± 7.07	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	416	4.7 ± 7.07	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	861	4.7 ± 7.07	NS
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	416	5.6 ± 7.07	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	90	15.5 ± 0.2	NS
A	<i>Bucephala albeola</i>	Bufflehead				S3S4N	232	16.6 ± 0.2	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	209	26.9 ± 8.4	NS
A	<i>Lanius borealis</i>	Northern Shrike				S3S4N	27	30.6 ± 0.2	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	65	23.6 ± 0.2	NS
A	<i>Aythya americana</i>	Redhead				SHB	5	30.9 ± 0.2	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	13	22.5 ± 0.05	NS
A	<i>Progne subis</i>	Purple Martin				SHB	6	45.6 ± 0.84	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	30	25.5 ± 7.07	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	29	9.7 ± 5.0	NS
I	<i>Epeoloides pilosulus</i>	Macropis Cuckoo Bee	Endangered	Endangered	Endangered	S1	2	93.9 ± 5.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	1171	8.6 ± 2.5	NS
I	<i>Barnea truncata</i>	Atlantic Mud-piddock	Threatened	Threatened		S1	10	46.6 ± 0.2	NS
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SH	4	25.0 ± 5.0	NS
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	6	45.8 ± 0.1	NS
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	195	6.5 ± 0.1	NS
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern		Endangered	SH	5	15.3 ± 2.5	NS
I	<i>Gomphurus ventricosus</i>	Skillet Clubtail	Special Concern	Endangered		SH	2	8.6 ± 1.0	NS
I	<i>Erora laeta</i>	Early Hairstreak				S1	1	28.5 ± 1.0	NS
I	<i>Ophiogomphus anomalus</i>	Extra-Striped Snaketail				S1	8	95.3 ± 0.05	NS
I	<i>Pachydiplax longipennis</i>	Blue Dasher				S1	28	24.9 ± 0.2	NS
I	<i>Atlanticoncha ochracea</i>	Tidewater Mucket				S1	10	84.3 ± 1.0	NS
I	<i>Polygonia comma</i>	Eastern Comma				S1?	21	29.5 ± 2.5	NS
I	<i>Polygonia satyrus</i>	Satyr Comma				S1?	7	26.0 ± 2.5	NS
I	<i>Boloria chariclea grandis</i>	Purple Lesser Fritillary				S1S2	3	72.2 ± 2.5	NS
I	<i>Somatochlora brevicincta</i>	Quebec Emerald				S1S2	2	46.9 ± 0.1	NS
I	<i>Satyrrium acadica</i>	Acadian Hairstreak				S2	5	75.4 ± 2.5	NS
I	<i>Coenagrion resolutum</i>	Taiga Bluet				S2	3	23.2 ± 1.0	NS
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	106	32.6 ± 0.1	NS
I	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	7	32.7 ± 1.0	NS
I	<i>Nymphalis l-album j-album</i>	Compton Tortoiseshell				S2S3	20	18.2 ± 0.01	NS
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	22	29.5 ± 1.0	NS
I	<i>Somatochlora kennedyi</i>	Kennedy's Emerald				S2S3	4	8.6 ± 1.0	NS
I	<i>Somatochlora williamsoni</i>	Williamson's Emerald				S2S3	1	77.5 ± 0.4	NS
I	<i>Williamsonia fletcheri</i>	Ebony Boghaunter				S2S3	1	97.4 ± 0.01	NS
I	<i>Enallagma geminatum</i>	Skimming Bluet				S2S3	2	69.8 ± 0.01	NS
I	<i>Stylurus scudderi</i>	Zebra Clubtail				S2S3	20	30.6 ± 0.5	NS
I	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	34	19.0 ± 0.1	NS
I	<i>Strophiona nitens</i>	Chestnut Bark Long-horned Beetle				S3	4	21.6 ± 0.2	NS
I	<i>Psephenus herricki</i>	Herrick's Water Penny Beetle				S3	1	81.1 ± 0.2	NS
I	<i>Lebia ornata</i>	Ornate Harp Ground Beetle				S3	1	83.1 ± 0.2	NS
I	<i>Carabus serratus</i>	Serrated Ground Beetle				S3	1	72.5 ± 0.2	NS
I	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	3	38.1 ± 0.05	NS
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	31	39.7 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	<i>Pachyrhinus elegans</i>	Elegant Broad-nosed Weevil				S3	1	98.6 ± 0.2	NS
	<i>Elateroides lugubris</i>	Sapwood Ship-timber Beetle				S3	1	28.7 ± 0.2	NS
	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	16	19.2 ± 0.2	NS
	<i>Myzia pullata</i>	Streaked Lady Beetle				S3	5	20.2 ± 0.2	NS
	<i>Monochamus marmorator</i>	Balsam Fir Sawyer				S3	1	23.6 ± 0.2	NS
	<i>Dicerca tenebrosa</i>	Dark Jewel Beetle				S3	1	99.7 ± 0.2	NS
	<i>Dicerca tuberculata</i>	Swollen Jewel Beetle				S3	1	12.6 ± 9.73	NS
	<i>Astylopsis sexguttata</i>	Six-speckled Long-horned Beetle				S3	2	21.5 ± 0.25	NS
	<i>Satyrium calanus falacer</i>	Falacer Hairstreak				S3	75	20.5 ± 2.5	NS
	<i>Callophrys lanoraieensis</i>	Bog Elfin				S3	22	6.3 ± 2.0	NS
	<i>Strymon melinus</i>	Gray Hairstreak				S3	14	29.5 ± 1.0	NS
	<i>Phanogomphus descriptus</i>	Harpoon Clubtail				S3	4	93.7 ± 0.01	NS
	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	6	16.2 ± 0.1	NS
	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	12	48.4 ± 0.2	NS
	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S3	31	20.9 ± 0.1	NS
	<i>Epithea princeps</i>	Prince Baskettail				S3	22	18.0 ± 0.2	NS
	<i>Somatochlora forcipata</i>	Forcinate Emerald				S3	5	30.1 ± 1.0	NS
	<i>Enallagma vernale</i>	Vernal Bluet				S3	6	2.4 ± 1.0	NS
	<i>Strophitus undulatus</i>	Creeper				S3	5	99.0 ± 0.1	NS
	<i>Polygonia interrogationis</i>	Question Mark				S3B	208	5.6 ± 7.07	NS
	<i>Lepturoopsis biforis</i>	Two-spotted Long-horned Beetle				S3S4	1	41.0 ± 0.34	NS
	<i>Cecropterus pylades</i>	Northern Cloudywing				S3S4	5	69.6 ± 2.5	NS
	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	29	12.6 ± 9.73	NS
	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	35	5.6 ± 7.07	NS
	<i>Argynnis aphrodite winni</i>	Aphrodite Fritillary				S3S4	52	8.6 ± 2.5	NS
	<i>Polygonia faunus</i>	Green Comma				S3S4	17	10.9 ± 2.5	NS
	<i>Oeneis jutta ascerta</i>	Jutta Arctic				S3S4	25	8.6 ± 2.5	NS
	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	13	20.4 ± 1.0	NS
	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	27	8.6 ± 1.0	NS
	<i>Boyeria grafiana</i>	Ocellated Darner				S3S4	13	20.4 ± 1.0	NS
	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	19	8.7 ± 1.0	NS
	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	6	8.6 ± 1.0	NS
	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	7	40.9 ± 0.2	NS
	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	21	7.2 ± 3.04	NS
	<i>Enallagma vesperum</i>	Vesper Bluet				S3S4	6	18.6 ± 0.2	NS
	<i>Amphiagrion saucium</i>	Eastern Red Damsel				S3S4	2	76.4 ± 1.0	NS
	<i>Sphaerophoria pyrrhina</i>	Violaceous Globetail				SH	1	76.3 ± 5.0	NS
	<i>Icaricia saepiolus amica</i>	Greenish Blue				SH	1	28.2 ± 2.5	NS
	<i>Polygonia gracilis</i>	Hoary Comma				SH	1	77.7 ± 2.5	NS
	<i>Eristalis brousi</i>	Hourglass Drone Fly				SX	1	99.6 ± 0.2	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	19	35.8 ± 0.2	NS
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	233	26.6 ± 0.5	NS
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	140	34.8 ± 0.2	NS
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	222	9.0 ± 13.0	NS
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	87	30.0 ± 0.01	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	36	21.2 ± 0.01	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen	Threatened			S3	106	61.9 ± 0.01	NS
N	<i>Pectenium plumbeum</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	228	7.8 ± 0.6	NS
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	30	18.0 ± 0.01	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	40	21.8 ± 1.96	NS
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	17	22.3 ± 0.01	NS
N	<i>Alouina brevirostris</i>	Short-Beaked Rigid Screw Moss				S1	2	19.0 ± 2.5	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Orthotrichum gymnostomum</i>	Aspen Bristle Moss				S1	1	79.2 ± 0.2	NS
N	<i>Sematophyllum demissum</i>	a Moss				S1	2	22.2 ± 2.5	NS
N	<i>Blennothallia crispa</i>	Crinkled Jelly Lichen				S1	1	43.9 ± 0.05	NS
N	<i>Umbilicaria vellea</i>	Grizzled Rocktripe Lichen				S1	1	14.0 ± 5.0	NS
N	<i>Usnea perplexans</i>	Powdered Beard Lichen				S1	1	42.7 ± 0.4	NS
N	<i>Scytinium dactylinum</i>	Brown-buttoned Jellyskin Lichen				S1	2	67.3 ± 0.34	NS
N	<i>Lathagrium cristatum</i>	Fingered Jelly Lichen				S1	3	26.7 ± 0.05	NS
N	<i>Ephebe perspinulosa</i>	Thread Lichen				S1	2	67.1 ± 1.33	NS
N	<i>Fuscopannaria praetermissa</i>	Moss Shingles Lichen				S1	1	23.5 ± 0.05	NS
N	<i>Scytinium schraderi</i>	Wrinkled Jellyskin Lichen				S1	1	54.6 ± 0.05	NS
N	<i>Lichina confinis</i>	Marine Seaweed Lichen				S1	3	47.4 ± 0.01	NS
N	<i>Parmotrema perforatum</i>	Perforated Ruffle Lichen				S1	2	99.6 ± 0.01	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns Woollybear Lichen				S1	3	87.1 ± 0.2	NS
N	<i>Pseudevernia consocians</i>	Common Antler Lichen				S1	1	68.8 ± 0.05	NS
N	<i>Sticta limbata</i>	Powdered Moon Lichen				S1	6	29.8 ± 3.9	NS
N	<i>Dermatocarpon miniatum</i>	Common Stippleback Lichen				S1	1	92.1 ± 0.01	NS
N	<i>Peltigera lepidophora</i>	Scaly Pelt Lichen				S1	7	22.3 ± 0.2	NS
N	<i>Bryoria nitidula</i>	Tundra Horsehair Lichen				S1	2	45.9 ± 0.6	NS
N	<i>Hypogymnia hultenii</i>	Powdered Honeycomb Lichen				S1	13	41.9 ± 0.5	NS
N	<i>Calypogeia neogaea</i>	Common Pouchwort				S1?	2	45.0 ± 0.01	NS
N	<i>Jubula pennsylvanica</i>	a liverwort				S1?	1	13.1 ± 0.2	NS
N	<i>Aloina rigida</i>	Aloe-Like Rigid Screw Moss				S1?	4	19.0 ± 2.5	NS
N	<i>Imbriobryum muehlenbeckii</i>	Muehlenbeck's Bryum Moss				S1?	2	35.1 ± 0.01	NS
N	<i>Cirriphyllum piliferum</i>	Hair-pointed Moss				S1?	1	95.3 ± 0.2	NS
N	<i>Conardia compacta</i>	Coast Creeping Moss				S1?	1	36.4 ± 2.0	NS
N	<i>Tortula obtusifolia</i>	a Moss				S1?	3	77.2 ± 1.0	NS
N	<i>Didymodon tophaceus</i>	Olive Beard Moss				S1?	2	43.6 ± 4.0	NS
N	<i>Homomallium adnatum</i>	Adnate Hairy-gray Moss				S1?	1	54.2 ± 0.2	NS
N	<i>Paludella squarrosa</i>	Tufted Fen Moss				S1?	3	21.7 ± 0.1	NS
N	<i>Physcomitrium immersum</i>	a Moss				S1?	7	54.7 ± 0.38	NS
N	<i>Schistostega pennata</i>	Luminous Moss				S1?	2	22.2 ± 0.01	NS
N	<i>Trichodon cylindricus</i>	Cylindric Hairy-teeth Moss				S1?	3	69.9 ± 0.2	NS
N	<i>Plagiomnium ellipticum</i>	Marsh Leafy Moss				S1?	1	86.1 ± 0.01	NS
N	<i>Enchylium limosum</i>	Lime-loving Tarpaper Lichen				S1?	2	43.6 ± 4.0	NS
N	<i>Scytinium intermedium</i>	Forty-five Jellyskin Lichen				S1?	1	43.6 ± 4.0	NS
N	<i>Melanelia culbersonii</i>	Appalachian Camouflage Lichen				S1?	1	34.3 ± 0.05	NS
N	<i>Porella pinnata</i>	Pinnate Scalewort				S1S2	2	67.6 ± 0.2	NS
N	<i>Reboulia hemisphaerica</i>	Purple-margined Liverwort				S1S2	1	91.9 ± 0.2	NS
N	<i>Arrhenopterum heterostichum</i>	One-sided Groove Moss				S1S2	3	19.0 ± 2.5	NS
N	<i>Brachythecium turgidum</i>	Thick Ragged Moss				S1S2	3	78.6 ± 3.0	NS
N	<i>Hypnum pratense</i>	Meadow Plait Moss				S1S2	1	64.3 ± 3.0	NS
N	<i>Mnium thomsonii</i>	Thomson's Leafy Moss				S1S2	1	24.5 ± 2.0	NS
N	<i>Tortula acaulon</i>	Cuspidate Earth Moss				S1S2	5	60.0 ± 0.2	NS
N	<i>Plagiothecium latebricola</i>	Alder Silk Moss				S1S2	2	39.0 ± 5.0	NS
N	<i>Platydictya confervoides</i>	a Moss				S1S2	1	22.4 ± 0.01	NS
N	<i>Sematophyllum marylandicum</i>	a Moss				S1S2	2	22.1 ± 3.0	NS
N	<i>Timmia megapolitana</i>	Metropolitan Timmia Moss				S1S2	3	63.4 ± 1.6	NS
N	<i>Tortula mucronifolia</i>	Mucronate Screw Moss				S1S2	1	61.0 ± 3.0	NS
N	<i>Syntrichia papillosa</i>	a Moss				S1S2	1	80.0 ± 0.2	NS
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	2	84.0 ± 0.01	NS
N	<i>Haplocladium microphyllum</i>	Tiny-leaved Haplocladium				S1S2	1	62.9 ± 5.0	NS

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N	<i>Rhynchostegium serrulatum</i>	Moss Dark Beaked Moss				S1S2	1	24.0 ± 2.0	NS
N	<i>Enchylium bachmanianum</i>	Bachman's Jelly Lichen				S1S2	2	26.9 ± 0.05	NS
N	<i>Placidium squamulosum</i>	Limy Soil Stipplescale Lichen				S1S2	1	81.2 ± 6.0	NS
N	<i>Pilophorus cereolus</i>	Powdered Matchstick Lichen				S1S2	1	66.9 ± 3.0	NS
N	<i>Rhizoplaca subdiscrepans</i>	Scattered Rock-posy Lichen				S1S2	1	35.9 ± 1.4	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	10	66.3 ± 0.05	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	7	41.9 ± 0.1	NS
N	<i>Umbilicaria polyrhiza</i>	Ballpoint Rocktripe Lichen				S1S3	1	80.8 ± 0.01	NS
N	<i>Lecanora polytropa</i>	a lichen				S1S3	3	47.3 ± 1.0	NS
N	<i>Acarospora sinopica</i>	a cracked lichen				S1S3	2	28.6 ± 0.2	NS
N	<i>Heterodermia galactophylla</i>	Branching Fringe Lichen				S1S3	1	36.3 ± 0.05	NS
N	<i>Xylopsora friesii</i>	a Lichen				S1S3	2	31.9 ± 0.2	NS
N	<i>Usnea chaetophora</i>	Articulated Beard Lichen				S1S3	1	98.1 ± 0.05	NS
N	<i>Stereocaulon grande</i>	Grand Foam Lichen				S1S3	1	81.1 ± 0.5	NS
N	<i>Stereocaulon intermedium</i>	Pacific Brain Foam Lichen				S1S3	6	22.7 ± 0.4	NS
N	<i>Anacamptodon splachnoides</i>	a Moss				S2	4	29.3 ± 30.0	NS
N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S2	3	25.5 ± 3.0	NS
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2	1	78.9 ± 2.0	NS
N	<i>Usnea flavocardia</i>	Blood-splattered Beard Lichen				S2	1	22.4 ± 4.5	NS
N	<i>Cystocoleus ebeneus</i>	Rockgossamer Lichen				S2	5	21.1 ± 0.05	NS
N	<i>Hypotrachyna catawbiensis</i>	Powder-tipped Antler Lichen				S2	20	35.2 ± 0.01	NS
N	<i>Scytinium imbricatum</i>	Scaly Jellyskin Lichen				S2	2	44.0 ± 4.0	NS
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2	2	40.2 ± 1.7	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	12	20.9 ± 0.6	NS
N	<i>Placynthium flabelliforme</i>	Scaly Ink Lichen				S2	2	53.1 ± 17.5	NS
N	<i>Cololejeunea biddlecomiae</i>	Biddlecome's Pouncewort				S2?	1	84.0 ± 0.2	NS
N	<i>Moerckia flotoviana</i>	Flotow's Ruffwort				S2?	1	44.4 ± 0.01	NS
N	<i>Riccardia multifida</i>	Delicate Germanderwort				S2?	3	24.9 ± 0.2	NS
N	<i>Anomodon viticulosus</i>	a Moss				S2?	2	62.6 ± 0.2	NS
N	<i>Weissia muhlenbergiana</i>	a Moss				S2?	6	24.5 ± 1.2	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	2	70.3 ± 5.0	NS
N	<i>Ptychostomum pendulum</i>	Drooping Bryum				S2?	1	19.0 ± 2.5	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	8	22.2 ± 2.5	NS
N	<i>Pseudocampyllum radicale</i>	Long-stalked Fine Wet Moss				S2?	1	64.3 ± 3.0	NS
N	<i>Climacium americanum</i>	American Tree Moss				S2?	1	86.6 ± 0.2	NS
N	<i>Dicranum condensatum</i>	Condensed Broom Moss				S2?	3	27.9 ± 0.01	NS
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	1	21.2 ± 1.4	NS
N	<i>Fissidens bushii</i>	Bush's Pocket Moss				S2?	10	92.4 ± 0.2	NS
N	<i>Fontinalis sullivantii</i>	Sullivant's Water Moss				S2?	1	97.2 ± 0.2	NS
N	<i>Grimmia anomala</i>	Mountain Forest Grimmia				S2?	1	46.6 ± 1.5	NS
N	<i>Hygrohypnum bestii</i>	Best's Brook Moss				S2?	1	96.8 ± 0.01	NS
N	<i>Kiaeria starkei</i>	Starke's Fork Moss				S2?	1	65.1 ± 10.0	NS
N	<i>Orthotrichum anomalum</i>	Anomalous Bristle Moss				S2?	2	25.6 ± 2.0	NS
N	<i>Philonotis marchica</i>	a Moss				S2?	2	85.6 ± 0.01	NS
N	<i>Physcomitrium collenchymatum</i>	a Moss				S2?	1	78.7 ± 0.1	NS
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2?	1	47.9 ± 0.01	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	1	30.1 ± 5.0	NS
N	<i>Platylomella lescurii</i>	a Moss				S2?	7	22.6 ± 0.01	NS
N	<i>Phylliscum demangeonii</i>	Black Rock-wafer Lichen				S2?	5	26.2 ± 0.05	NS
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S2S3	5	22.7 ± 0.01	NS
N	<i>Platydictya subtilis</i>	Bark Willow Moss				S2S3	4	72.4 ± 3.2	NS
N	<i>Plagiomnium rostratum</i>	Long-beaked Leafy Moss				S2S3	1	77.6 ± 2.0	NS

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N	<i>Scorpidium revolvens</i>	Limprichtia Moss				S2S3	3	21.8 ± 0.01	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	39	14.2 ± 1.2	NS
N	<i>Moelleropsis nebulosa ssp. frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	3	68.2 ± 0.5	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	12	42.1 ± 5.0	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	76	20.1 ± 0.01	NS
N	<i>Usnea ceratina</i>	Warty Beard Lichen				S2S3	3	65.0 ± 0.4	NS
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	6	37.0 ± 0.01	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	19	15.9 ± 0.01	NS
N	<i>Usnocetraria oakesiana</i>	Yellow Band Lichen				S2S3	14	11.1 ± 0.5	NS
N	<i>Cladonia mateocyatha</i>	Mixed-up Pixie-cup				S2S3	5	23.6 ± 5.5	NS
N	<i>Cladonia parasitica</i>	Fence-rail Lichen				S2S3	3	11.1 ± 0.24	NS
N	<i>Chaenotheca gracilentia</i>	a lichen				S2S3	1	32.7 ± 0.2	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	9	21.2 ± 0.01	NS
N	<i>Melanohalea septentrionalis</i>	Northern Camouflage Lichen				S2S3	1	42.8 ± 0.6	NS
N	<i>Myelochroa aurulenta</i>	Powdery Axil-bristle Lichen				S2S3	6	47.6 ± 2.3	NS
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	10	33.6 ± 0.6	NS
N	<i>Hypotrachyna minarum</i>	Hairless-spined Shield Lichen				S2S3	6	66.7 ± 0.05	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	2	31.6 ± 0.6	NS
N	<i>Racodium rupestre</i>	Rockhair Lichen				S2S3	4	14.2 ± 1.2	NS
N	<i>Umbilicaria polyphylla</i>	Petalled Rocktripe Lichen				S2S3	2	40.1 ± 0.2	NS
N	<i>Usnea cavernosa</i>	Pitted Beard Lichen				S2S3	4	42.7 ± 0.4	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	42.7 ± 0.25	NS
N	<i>Fuscopannaria soorediata</i>	a Lichen				S2S3	8	14.2 ± 1.2	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	3	71.9 ± 0.2	NS
N	<i>Physcia subtilis</i>	Slender Rosette Lichen				S2S3	2	40.1 ± 0.2	NS
N	<i>Dimelaena oreina</i>	Golden Moonglow Lichen				S2S3	2	38.7 ± 0.62	NS
N	<i>Hypotrachyna revoluta</i>	Granulating Loop Lichen				S2S3	1	97.8 ± 2.0	NS
N	<i>Cetraria arenaria</i>	Sand-loving Icelandmoss Lichen				S2S3	33	56.9 ± 0.4	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup Lichen				S2S3	3	40.1 ± 4.0	NS
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S2S3	3	30.5 ± 4.0	NS
N	<i>Cladonia phyllophora</i>	Felt Lichen				S2S3	2	59.8 ± 4.5	NS
N	<i>Hypotrachyna afrorevoluta</i>	Pustulate Revolute Loop Lichen				S2S3	3	97.9 ± 0.05	NS
N	<i>Usnea flammea</i>	Coastal Bushy Beard Lichen				S2S3	1	47.3 ± 1.0	NS
N	<i>Ephemerum serratum</i>	a Moss				S3	6	26.1 ± 5.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	17	19.0 ± 2.5	NS
N	<i>Anomodon tristis</i>	a Moss				S3	10	60.5 ± 0.6	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	6	44.7 ± 4.0	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	3	78.9 ± 2.0	NS
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3	6	67.4 ± 0.2	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	43	18.5 ± 0.01	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	11	26.9 ± 0.05	NS
N	<i>Fuscopannaria ahlneri</i>					S3	81	5.3 ± 0.01	NS
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	33	19.9 ± 0.7	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	23	21.7 ± 0.2	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	8	10.6 ± 0.5	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	1	82.5 ± 0.05	NS
N	<i>Platismatia norvegica</i>	Oldgrowth Rag Lichen				S3	1	81.1 ± 0.7	NS
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	145	60.6 ± 0.01	NS
N	<i>Viridothelium virens</i>	a lichen				S3	4	8.2 ± 2.0	NS
N	<i>Ephebe lanata</i>	Waterside Rockshag Lichen				S3	6	35.1 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Phaeophyscia adiastrata</i>	Powder-tipped Shadow Lichen				S3	18	31.6 ± 0.2	NS
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	11	27.1 ± 7.15	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	11	20.7 ± 0.2	NS
N	<i>Metzgeria conjugata</i>	Rock Veilwort				S3?	2	84.3 ± 0.53	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	4	22.3 ± 0.01	NS
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S3?	3	17.1 ± 3.0	NS
N	<i>Drummondia prorepens</i>	a Moss				S3?	5	24.2 ± 5.0	NS
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	6	20.1 ± 0.01	NS
N	<i>Mnium stellare</i>	Star Leafy Moss				S3?	3	20.1 ± 0.01	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S3?	1	92.4 ± 0.01	NS
N	<i>Sphagnum riparium</i>	Streamside Peat Moss				S3?	5	63.2 ± 0.01	NS
N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	9	54.8 ± 0.05	NS
N	<i>Anomodon rugelii</i>	Rugel's Anomodon Moss				S3S4	5	60.5 ± 0.6	NS
N	<i>Dichelyma capillaceum</i>	Hairlike Dichelyma Moss				S3S4	3	20.5 ± 3.0	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	37.1 ± 0.01	NS
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	2	61.0 ± 3.0	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	1	62.9 ± 0.01	NS
N	<i>Thamnobryum alleghaniense</i>	a Moss				S3S4	19	43.2 ± 0.2	NS
N	<i>Tomentypnum nitens</i>	Golden Fuzzy Fen Moss				S3S4	4	21.8 ± 0.2	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	4	46.6 ± 1.5	NS
N	<i>Hylocomiastrum pyrenaicum</i>	a Feather Moss				S3S4	3	31.8 ± 0.5	NS
N	<i>Bryoria pseudofuscescens</i>	Mountain Horsehair Lichen				S3S4	6	8.8 ± 5.5	NS
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	11	21.6 ± 0.01	NS
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3S4	70	8.4 ± 0.5	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	86	17.0 ± 0.01	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	20	21.2 ± 0.01	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	42	8.9 ± 0.01	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	29	20.6 ± 0.2	NS
N	<i>Felipes leucopellaeus</i>	a lichen				S3S4	1	93.1 ± 0.2	NS
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	4	33.3 ± 0.01	NS
N	<i>Vahliella leucophaea</i>	Shelter Shingle Lichen				S3S4	18	65.3 ± 0.2	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	81	33.6 ± 0.01	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	90	5.4 ± 0.01	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	4	42.7 ± 0.4	NS
N	<i>Parmeliopsis hyperopta</i>	Gray Starburst Lichen				S3S4	1	73.4 ± 0.5	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	52	47.2 ± 0.2	NS
N	<i>Peltigera hymenina</i>	Cloudy Pelt Lichen				S3S4	1	46.2 ± 2.0	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	11	36.6 ± 3.08	NS
N	<i>Sclerophora peronella</i>	Frosted Glass-whiskers Lichen				S3S4	2	55.7 ± 0.2	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	321	6.8 ± 0.5	NS
N	<i>Physcia caesia</i>	Blue-gray Rosette Lichen				S3S4	3	36.3 ± 0.2	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	7	27.1 ± 0.01	NS
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	179	16.3 ± 0.2	NS
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	41	18.2 ± 0.01	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	127	9.4 ± 0.2	NS
P	<i>Rhynchospora macrostachya</i>	Tall Beakrush	Endangered	Endangered	Endangered	S1	7	88.3 ± 0.01	NS
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Endangered	Threatened	Vulnerable	S2	2	37.0 ± 0.1	NS
P	<i>Fraxinus nigra</i>	Black Ash	Threatened		Threatened	S1S2	943	11.0 ± 0.01	NS
P	<i>Lachnanthes caroliniana</i>	Redroot	Special Concern	Special Concern	Vulnerable	S2	1366	87.5 ± 0.01	NS
P	<i>Lophiola aurea</i>	Goldencrest	Special Concern	Special Concern	Vulnerable	S2	790	75.8 ± 1.0	NS
P	<i>Lilaeopsis chinensis</i>	Eastern Lilaeopsis	Special Concern	Special Concern	Vulnerable	S3	154	67.3 ± 1.0	NS
P	<i>Scirpus longii</i>	Long's Bulrush	Special Concern		Vulnerable	S3	318	80.0 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Isoetes prototypus</i>	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S3	13	72.4 ± 0.5	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2S3	39	59.5 ± 1.5	NS
P	<i>Acer saccharinum</i>	Silver Maple				S1	12	45.9 ± 0.2	NS
P	<i>Osmorhiza depauperata</i>	Blunt Sweet Cicely				S1	1	47.6 ± 5.0	NS
P	<i>Antennaria rosea ssp. arida</i>	Rosy Pussytoes				S1	1	86.8 ± 0.5	NS
P	<i>Andersonglossum boreale</i>	Northern Wild Comfrey				S1	5	22.4 ± 1.6	NS
P	<i>Turritis glabra</i>	Tower Mustard				S1	1	56.9 ± 0.5	NS
P	<i>Lobelia spicata</i>	Pale-Spiked Lobelia				S1	8	53.7 ± 7.07	NS
P	<i>Silene antirrhina</i>	Sleepy Catchfly				S1	5	81.6 ± 0.01	NS
P	<i>Astragalus robbinsii var. minor</i>	Robbins' Milkvetch				S1	32	86.7 ± 0.25	NS
P	<i>Ribes americanum</i>	Wild Black Currant				S1	4	22.3 ± 3.0	NS
P	<i>Trichostema dichotomum</i>	Forked Bluecurls				S1	9	85.5 ± 0.2	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	11	8.8 ± 0.5	NS
P	<i>Persicaria careyi</i>	Carey's Smartweed				S1	1	65.8 ± 3.0	NS
P	<i>Phytolacca americana</i>	Common Pokeweed				S1	4	26.5 ± 0.5	NS
P	<i>Podostemum ceratophyllum</i>	Horn-leaved Riverweed				S1	4	71.0 ± 0.1	NS
P	<i>Montia fontana</i>	Water Blinks				S1	3	31.7 ± 1.0	NS
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	1	12.8 ± 0.01	NS
P	<i>Ranunculus pensylvanicus</i>	Pennsylvania Buttercup				S1	24	95.9 ± 0.01	NS
P	<i>Amelanchier nantucketensis</i>	Nantucket Serviceberry				S1	1	74.6 ± 1.0	NS
P	<i>Salix myrtilifolia</i>	Blueberry Willow				S1	1	59.3 ± 0.01	NS
P	<i>Salix serissima</i>	Autumn Willow				S1	2	59.4 ± 0.01	NS
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S1	2	78.7 ± 1.0	NS
P	<i>Carex digitalis</i>	Slender Wood Sedge				S1	2	95.5 ± 0.01	NS
P	<i>Carex garberi</i>	Garber's Sedge				S1	4	87.1 ± 0.01	NS
P	<i>Carex laxiflora</i>	Loose-Flowered Sedge				S1	3	59.6 ± 1.0	NS
P	<i>Carex ormostachya</i>	Necklace Spike Sedge				S1	3	67.3 ± 5.0	NS
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	4	80.8 ± 0.1	NS
P	<i>Carex prairea</i>	Prairie Sedge				S1	2	61.1 ± 1.0	NS
P	<i>Carex viridula var. saxillitoralis</i>	Greenish Sedge				S1	5	65.9 ± 0.2	NS
P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	4	21.8 ± 0.01	NS
P	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush				S1	6	83.4 ± 0.01	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	1	59.1 ± 100.0	NS
P	<i>Sisyrinchium fuscatum</i>	Coastal Plain Blue-eyed-grass				S1	3	69.8 ± 0.1	NS
P	<i>Juncus secundus</i>	Secund Rush				S1	2	63.7 ± 0.1	NS
P	<i>Juncus vaseyi</i>	Vasey Rush				S1	2	88.3 ± 0.02	NS
P	<i>Trillium grandiflorum</i>	White Trillium				S1	3	61.1 ± 1.0	NS
P	<i>Malaxis monophyllos var. brachypoda</i>	North American White Adder's-mouth				S1	6	53.7 ± 10.0	NS
P	<i>Spiranthes casei var. casei</i>	Case's Ladies'-Tresses				S1	1	42.5 ± 0.1	NS
P	<i>Dichanthelium xanthophysum</i>	Slender Panic Grass				S1	10	70.0 ± 0.01	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	11	20.3 ± 0.5	NS
P	<i>Torreyochloa pallida var. pallida</i>	Pale False Manna Grass				S1	1	81.2 ± 1.5	NS
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	24	15.5 ± 1.5	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	1	55.6 ± 5.0	NS
P	<i>Botrychium lunaria</i>	Common Moonwort				S1	10	45.6 ± 0.2	NS
P	<i>Selaginella rupestris</i>	Rock Spikemoss				S1	1	21.5 ± 0.01	NS
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	1	31.7 ± 7.07	NS
P	<i>Suaeda rolandii</i>	Roland's Sea-Blite				S1?	5	22.6 ± 2.0	NS
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	3	29.1 ± 0.05	NS
P	<i>Juncus antheratus</i>	Greater Poverty Rush				S1?	1	92.2 ± 0.01	NS
P	<i>Allium schoenoprasum</i>	Wild Chives				S1?	2	22.0 ± 0.2	NS
P	<i>Allium schoenoprasum var.</i>	Wild Chives				S1?	1	76.2 ± 7.07	NS

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P	<i>sibiricum</i>								
P	<i>Huperzia selago</i>	Northern Firmoss				S1?	1	99.5 ± 1.0	NS
P	<i>Crocianthemum canadense</i>	Long-branched Frostweed			Endangered	S1S2	151	18.8 ± 1.6	NS
P	<i>Cypripedium arietinum</i>	Ram's-Head Lady's-Slipper			Endangered	S1S2	308	17.5 ± 2.0	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	10	20.4 ± 0.1	NS
P	<i>Ageratina altissima</i>	White Snakeroot				S1S2	23	87.3 ± 0.01	NS
P	<i>Draba glabella</i>	Rock Whitlow-Grass				S1S2	6	61.8 ± 0.05	NS
P	<i>Proserpinaca intermedia</i>	Intermediate Mermaidweed				S1S2	5	50.6 ± 0.9	NS
P	<i>Anemone virginiana</i> var. <i>alba</i>	Virginia Anemone				S1S2	5	76.2 ± 7.07	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	4	54.3 ± 1.0	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	2	21.6 ± 10.0	NS
P	<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	Slim-stemmed Reed Grass				S1S2	3	84.8 ± 7.07	NS
P	<i>Euphrasia farlowii</i>	Farlow's Eyebright				S1S3	2	78.9 ± 0.01	NS
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	1	84.9 ± 0.01	NS
P	<i>Zizia aurea</i>	Golden Alexanders				S2	41	45.3 ± 0.2	NS
P	<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Parlin's Pussytoes				S2	34	18.9 ± 0.1	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	33	4.7 ± 7.07	NS
P	<i>Arabis pycnocarpa</i>	Cream-flowered Rockcress				S2	2	64.0 ± 0.1	NS
P	<i>Cardamine maxima</i>	Large Toothwort				S2	20	47.6 ± 0.2	NS
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	314	22.2 ± 0.2	NS
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	13	48.7 ± 1.5	NS
P	<i>Hylodesmum glutinosum</i>	Large Tick-trefoil				S2	37	23.3 ± 0.2	NS
P	<i>Oxytropis campestris</i> var. <i>johannensis</i>	Field Locoweed				S2	27	86.8 ± 0.5	NS
P	<i>Conopholis americana</i>	American Cancer-root				S2	28	54.0 ± 1.0	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	17	12.0 ± 7.07	NS
P	<i>Hepatica americana</i>	Round-lobed Hepatica				S2	75	17.4 ± 3.1	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S2	24	20.5 ± 1.41	NS
P	<i>Galium boreale</i>	Northern Bedstraw				S2	7	53.7 ± 7.07	NS
P	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop				S2	6	51.9 ± 0.2	NS
P	<i>Dirca palustris</i>	Eastern Leatherwood				S2	75	17.2 ± 0.1	NS
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	2	59.4 ± 0.01	NS
P	<i>Carex pellita</i>	Woolly Sedge				S2	2	81.6 ± 10.0	NS
P	<i>Carex livida</i>	Livid Sedge				S2	13	17.7 ± 0.01	NS
P	<i>Juncus greenii</i>	Greene's Rush				S2	5	13.3 ± 0.01	NS
P	<i>Allium tricoccum</i>	Wild Leek				S2	108	47.6 ± 0.2	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	82	18.3 ± 7.07	NS
P	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper				S2	27	15.5 ± 7.07	NS
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	13	19.9 ± 0.01	NS
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	58	15.8 ± 0.74	NS
P	<i>Platanthera flava</i> var. <i>flava</i>	Southern Rein Orchid				S2	17	46.5 ± 7.07	NS
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid				S2	31	45.3 ± 1.0	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	5	28.7 ± 1.0	NS
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S2	28	74.7 ± 0.01	NS
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	60	60.3 ± 0.01	NS
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S2	12	31.7 ± 7.07	NS
P	<i>Festuca subverticillata</i>	Nodding Fescue				S2	15	34.4 ± 7.07	NS
P	<i>Piptatheropsis pungens</i>	Slender Ricegrass				S2	11	62.2 ± 10.0	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	3	26.5 ± 0.25	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	2	23.8 ± 0.25	NS
P	<i>Rumex persicarioides</i>	Peach-leaved Dock				S2?	1	37.9 ± 0.01	NS
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	5	21.5 ± 1.0	NS
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	4	22.3 ± 5.0	NS

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P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	133	8.9 ± 0.01	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	20	23.4 ± 0.01	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	3	81.8 ± 1.0	NS
P	<i>Eutrochium dubium</i>	Coastal Plain Joe Pye Weed				S2S3	2	96.4 ± 0.5	NS
P	<i>Lactuca hirsuta</i>	Hairy Lettuce				S2S3	5	43.6 ± 1.0	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	11	61.5 ± 1.0	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	105	14.6 ± 7.07	NS
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S2S3	24	59.6 ± 1.0	NS
P	<i>Boechea stricta</i>	Drummond's Rockcress				S2S3	15	59.6 ± 1.0	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	8	64.0 ± 1.0	NS
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2S3	2	92.7 ± 2.0	NS
P	<i>Hypericum majus</i>	Large St John's-wort				S2S3	17	18.8 ± 10.0	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	8	20.2 ± 0.5	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	5	29.0 ± 7.07	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	12	52.6 ± 3.0	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	10	8.5 ± 1.5	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	18	40.3 ± 5.0	NS
P	<i>Oenothera fruticosa ssp. tetragona</i>	Narrow-leaved Evening Primrose				S2S3	8	18.3 ± 7.07	NS
P	<i>Polygala polygama</i>	Racemed Milkwort				S2S3	5	30.7 ± 1.0	NS
P	<i>Polygonum aviculare ssp. buxiforme</i>	Box Knotweed				S2S3	8	26.8 ± 0.5	NS
P	<i>Polygonum oxyspermum ssp. raii</i>	Ray's Knotweed				S2S3	5	15.8 ± 0.2	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	10	19.1 ± 0.05	NS
P	<i>Primula mistassinica</i>	Mistassini Primrose				S2S3	17	76.2 ± 7.07	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	38	53.8 ± 0.01	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	28	21.4 ± 0.2	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	1	67.0 ± 7.07	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	11	11.1 ± 0.2	NS
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2S3	2	83.2 ± 0.01	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	8	59.6 ± 2.0	NS
P	<i>Tiarella stolonifera</i>	Stoloniferous Foamflower				S2S3	24	52.9 ± 0.01	NS
P	<i>Agalinis purpurea var. parviflora</i>	Small-flowered Purple False Foxglove				S2S3	1	75.9 ± 0.2	NS
P	<i>Boehmeria cylindrica</i>	Small-spike False-nettle				S2S3	60	39.0 ± 0.2	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	10	25.3 ± 0.2	NS
P	<i>Carex capillaris</i>	Hairlike Sedge				S2S3	8	72.5 ± 0.02	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	9	25.4 ± 5.0	NS
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	6	61.6 ± 1.2	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	8	56.0 ± 0.1	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	7	18.7 ± 0.01	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	7	40.9 ± 0.01	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	14	50.4 ± 1.2	NS
P	<i>Najas gracillima</i>	Thread-Like Naiad				S2S3	3	12.6 ± 0.45	NS
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	24	18.0 ± 0.01	NS
P	<i>Spiranthes casei</i>	Case's Ladies'-Tresses				S2S3	1	92.3 ± 0.01	NS
P	<i>Spiranthes casei var. novaescotiae</i>	Case's Ladies'-Tresses				S2S3	4	61.8 ± 0.2	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	13	23.2 ± 1.5	NS
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	10	54.4 ± 1.0	NS
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S2S3	2	77.4 ± 1.0	NS
P	<i>Botrychium lanceolatum ssp. angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	7	53.3 ± 0.1	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	7	26.8 ± 1.0	NS
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	5	15.5 ± 7.07	NS
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	21	66.9 ± 0.01	NS
P	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica				S3	1	78.0 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	9	39.5 ± 0.05	NS
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S3	2	76.4 ± 1.0	NS
P	<i>Iva frutescens</i>	Big-leaved Marsh-elder				S3	59	21.5 ± 0.01	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	25	26.6 ± 0.2	NS
P	<i>Symphotrichum boreale</i>	Boreal Aster				S3	4	62.8 ± 7.07	NS
P	<i>Symphotrichum ciliolatum</i>	Fringed Blue Aster				S3	22	23.9 ± 0.01	NS
P	<i>Symphotrichum undulatum</i>	Wavy-leaved Aster				S3	145	17.3 ± 0.1	NS
P	<i>Alnus serrulata</i>	Smooth Alder				S3	521	70.4 ± 0.01	NS
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	69	15.1 ± 0.5	NS
P	<i>Betula pumila</i>	Bog Birch				S3	4	57.3 ± 0.01	NS
P	<i>Cardamine parviflora</i>	Small-flowered Bittercress				S3	21	25.7 ± 50.0	NS
P	<i>Palustricodon aparinoides</i>	Marsh Bellflower				S3	23	28.1 ± 1.0	NS
P	<i>Mononeuria groenlandica</i>	Greenland Stitchwort				S3	238	19.2 ± 0.25	NS
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S3	57	35.4 ± 0.66	NS
P	<i>Sagina nodosa ssp. borealis</i>	Knotted Pearlwort				S3	8	43.3 ± 0.2	NS
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S3	11	56.2 ± 5.0	NS
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S3	11	54.4 ± 3.0	NS
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	47	17.7 ± 0.01	NS
P	<i>Crassula aquatica</i>	Water Pygmyweed				S3	1	37.0 ± 0.1	NS
P	<i>Empetrum eamesii</i>	Pink Crowberry				S3	94	20.1 ± 0.01	NS
P	<i>Vaccinium uliginosum</i>	Alpine Bilberry				S3	4	44.5 ± 1.0	NS
P	<i>Halenia deflexa</i>	Spurred Gentian				S3	3	38.4 ± 0.01	NS
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	25	23.7 ± 0.2	NS
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	3	28.2 ± 3.0	NS
P	<i>Utricularia resupinata</i>	Inverted Bladderwort				S3	12	80.7 ± 0.01	NS
P	<i>Epilobium densum</i>	Downy Willowherb				S3	7	27.0 ± 0.01	NS
P	<i>Polygala sanguinea</i>	Blood Milkwort				S3	46	18.8 ± 0.1	NS
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	16	56.9 ± 0.05	NS
P	<i>Plantago rugelii</i>	Rugel's Plantain				S3	12	30.2 ± 0.5	NS
P	<i>Primula laurentiana</i>	Laurentian Primrose				S3	55	54.3 ± 7.07	NS
P	<i>Samolus parviflorus</i>	Seaside Brookweed				S3	50	26.1 ± 1.0	NS
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	2	36.7 ± 0.01	NS
P	<i>Anemone virginiana</i>	Virginia Anemone				S3	19	21.5 ± 5.0	NS
P	<i>Cephalanthus occidentalis</i>	Common Buttonbush				S3	1263	31.6 ± 0.2	NS
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S3	79	56.5 ± 0.01	NS
P	<i>Salix pedicellaris</i>	Bog Willow				S3	130	54.8 ± 0.05	NS
P	<i>Salix sericea</i>	Silky Willow				S3	127	27.8 ± 1.0	NS
P	<i>Saxifraga paniculata ssp. laestadii</i>	Laestadius' Saxifrage				S3	13	53.7 ± 7.07	NS
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel				S3	23	23.6 ± 0.2	NS
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	58	19.8 ± 0.01	NS
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	9	20.6 ± 0.01	NS
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	7	43.7 ± 1.0	NS
P	<i>Carex bebbii</i>	Bebb's Sedge				S3	25	19.8 ± 0.01	NS
P	<i>Carex castanea</i>	Chestnut Sedge				S3	39	36.6 ± 0.01	NS
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	14	22.5 ± 0.31	NS
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	11	54.4 ± 0.01	NS
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S3	41	20.4 ± 2.0	NS
P	<i>Carex lupulina</i>	Hop Sedge				S3	71	18.7 ± 0.2	NS
P	<i>Carex rosea</i>	Rosy Sedge				S3	44	18.9 ± 2.0	NS
P	<i>Carex swanii</i>	Swan's Sedge				S3	12	18.2 ± 0.2	NS
P	<i>Carex tenera</i>	Tender Sedge				S3	10	23.9 ± 0.1	NS
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	14	21.4 ± 0.01	NS
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	47	20.5 ± 2.5	NS
P	<i>Carex atratiformis</i>	Scabrous Black Sedge				S3	3	73.2 ± 0.1	NS
P	<i>Eleocharis nitida</i>	Quill Spikerush				S3	15	26.7 ± 5.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	Bright-green Spikerush				S3	9	27.8 ± 0.25	NS
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S3	7	43.8 ± 1.0	NS
P	<i>Coeloglossum viride</i>	Long-bracted Frog Orchid				S3	13	42.8 ± 1.0	NS
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S3	578	17.1 ± 1.0	NS
P	<i>Neottia bifolia</i>	Southern Twayblade				S3	133	8.7 ± 0.2	NS
P	<i>Platanthera flava</i>	Southern Rein-Orchid				S3	37	68.6 ± 0.01	NS
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	90	24.2 ± 1.8	NS
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	21	21.5 ± 1.0	NS
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S3	16	25.7 ± 7.07	NS
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S3	20	35.5 ± 1.0	NS
P	<i>Poa glauca</i>	Glaucous Blue Grass				S3	15	24.5 ± 1.0	NS
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	3	54.8 ± 1.0	NS
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	7	39.4 ± 0.01	NS
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S3	16	48.1 ± 0.85	NS
P	<i>Asplenium viride</i>	Green Spleenwort				S3	12	62.8 ± 7.07	NS
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	15	67.9 ± 0.01	NS
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	7	63.5 ± 0.5	NS
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	24	29.6 ± 0.01	NS
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	22	22.4 ± 0.01	NS
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3?	46	3.3 ± 4.5	NS
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	8	73.1 ± 0.1	NS
P	<i>Bidens vulgata</i>	Tall Beggarticks				S3S4	6	27.7 ± 0.2	NS
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	25	18.3 ± 7.07	NS
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S3S4	34	16.9 ± 11.0	NS
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	8	48.1 ± 0.5	NS
P	<i>Packera paupercula</i>	Balsam Groundsel				S3S4	104	17.4 ± 0.01	NS
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush				S3S4	14	27.4 ± 0.01	NS
P	<i>Shepherdia canadensis</i>	Soapberry				S3S4	113	12.0 ± 7.07	NS
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3S4	4	68.3 ± 0.5	NS
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	61	18.4 ± 0.01	NS
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S3S4	16	21.4 ± 0.01	NS
P	<i>Fagus grandifolia</i>	American Beech				S3S4	868	9.1 ± 0.2	NS
P	<i>Bartonia virginica</i>	Yellow Bartonia				S3S4	33	27.8 ± 7.07	NS
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	57	21.4 ± 1.5	NS
P	<i>Decodon verticillatus</i>	Swamp Loosestrife				S3S4	6	23.0 ± 0.2	NS
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3S4	2	16.9 ± 0.01	NS
P	<i>Persicaria pensylvanica</i>	Pennsylvania Smartweed				S3S4	28	24.5 ± 0.01	NS
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3S4	22	11.2 ± 2.0	NS
P	<i>Rumex pallidus</i>	Seabeach Dock				S3S4	1	61.2 ± 0.01	NS
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3S4	12	31.2 ± 1.0	NS
P	<i>Endotropis alnifolia</i>	alder-leaved buckthorn				S3S4	274	21.6 ± 0.6	NS
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	59	16.1 ± 0.01	NS
P	<i>Crataegus succulenta</i>	Fleshy Hawthorn				S3S4	1	22.2 ± 0.01	NS
P	<i>Fragaria vesca</i> ssp. <i>americana</i>	Woodland Strawberry				S3S4	69	20.0 ± 0.01	NS
P	<i>Galium aparine</i>	Common Bedstraw				S3S4	43	21.1 ± 0.2	NS
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	6	35.4 ± 0.01	NS
P	<i>Limosella australis</i>	Southern Mudwort				S3S4	11	38.6 ± 3.5	NS
P	<i>Ulmus americana</i>	White Elm				S3S4	91	18.4 ± 0.05	NS
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	208	20.4 ± 0.1	NS
P	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet				S3S4	47	15.0 ± 0.2	NS
P	<i>Viola selkirkii</i>	Great-Spurred Violet				S3S4	6	19.5 ± 4.8	NS
P	<i>Symlocarpus foetidus</i>	Eastern Skunk Cabbage				S3S4	9	31.6 ± 0.28	NS
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	10	27.8 ± 1.5	NS
P	<i>Sisyrinchium atlanticum</i>	Eastern Blue-Eyed-Grass				S3S4	96	55.0 ± 0.8	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	17	38.4 ± 0.01	NS
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	12	22.1 ± 0.01	NS
P	<i>Juncus subcaudatus</i>	Woods-Rush				S3S4	24	13.9 ± 0.01	NS
P	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	Black-fruited Woodrush				S3S4	6	64.2 ± 0.01	NS
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3S4	13	35.0 ± 0.01	NS
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	13	12.7 ± 0.01	NS
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	10	31.7 ± 10.0	NS
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	17	19.5 ± 4.8	NS
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3S4	18	45.2 ± 0.01	NS
P	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass				S3S4	302	19.7 ± 0.5	NS
P	<i>Coleataenia longifolia</i>	Long-leaved Panicgrass				S3S4	933	80.1 ± 0.01	NS
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	25	23.9 ± 0.01	NS
P	<i>Koeleria spicata</i>	Narrow False Oats				S3S4	20	19.1 ± 0.05	NS
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S3S4	15	42.7 ± 0.85	NS
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3S4	17	20.4 ± 0.01	NS
P	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar				S3S4	19	19.7 ± 0.01	NS
P	<i>Diphasiastrum sitchense</i>	Sitka Ground-cedar				S3S4	2	47.6 ± 1.0	NS
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3S4	19	57.1 ± 7.07	NS
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	14	36.3 ± 10.0	NS
P	<i>Botrychium matricariifolium</i>	Daisy-leaved Moonwort				S3S4	5	24.6 ± 10.0	NS
P	<i>Viola canadensis</i>	Canada Violet				SH	2	26.1 ± 0.75	NS
P	<i>Greeneochloa coarctata</i>	Small Reedgrass				SH	1	28.8 ± 6.0	NS

5.1 SOURCE BIBLIOGRAPHY (100 km)

The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

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153	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
152	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
145	e-Butterfly. 2016. Export of Maritimes records and photos. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
144	Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.
137	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
131	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
129	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
126	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
125	Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.
124	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
122	Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
122	Keddy, C.J. 1989. Habitat securement for redroot, golden crest and Long's bulrush in Ponhook Lake, NS. World Wildlife Fund (Canada), 131 recs.
118	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
118	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
115	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
114	McNeil, J.A. 2019. Blanding's Turtle records, 2019. Mersey Tobeatic Research Institute.
113	McNeil, J.A. 2018. Wood Turtle records, 2018. Mersey Tobeatic Research Institute, 68 recs.
113	Staicer, Cindy. 2023. 2022 SAR Bird ARU occurrences. Dalhousie University, 379 records.
112	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
111	Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
109	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
108	Staicer, Cindy. 2023. 2022 SAR Bird field occurrences from the Landbirds at Risk Project, NS. Dalhousie University, 446 records.
102	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
100	Hubley, Nicole. 2022. Monarch (<i>Danaus plexippus</i>) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
99	Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
99	McNeil, J.A. 2019. Eastern Painted Turtle trapping records, 2019. Mersey Tobeatic Research Institute.
98	Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
96	Belliveau, A.G. & Churchill, J.L.; Anderson, F.; Brooks, F. 2023. Lichen Inventory of Blue Rocks, NS. E.C. Smith Herbarium.
96	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).

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95	Breen, A. 2019. 2019 Atlantic Whitefish observations. Coastal Action, 95 recs.
94	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
88	Blaney, C.S.; Mazerolle, D.M. 2009. Fieldwork 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
88	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
86	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
84	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
82	Birds Canada. 2022. Maritimes Swiftwatch project data for 2022. Pers. comm., 155 records.
80	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
79	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
76	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
75	McNeil, Jeffie. 2023. 2022 Turtle Records. Mersey Tobeatic Research Institute.
73	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
69	McNeil, Jeffie. 2022. 2021 Turtle Records. Mersey Tobeatic Research Institute.
68	Blaney, C.S & Spicer, C.D.; Popma, T.M.; Basquill, S.P. 2003. Vascular Plant Surveys of Northumberland Strait Rivers & Amherst Area Peatlands. Nova Scotia Museum Research Grant, 501 recs.
68	Blaney, C.S. 2020. Sean Blaney 2020 field data. Atlantic Canada Conservation Data Centre, 4407 records.
68	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
67	McNeil, J.A. 2015. Blandings Turtle (<i>Emydoidea blandingii</i>), Eastern Ribbonsnake (<i>Thamnophis sauritus</i>), and Snapping Turtle (<i>Chelydra serpentina</i>) sightings, 2015. Mersey Tobeatic Research Institute.
65	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
65	Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
63	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
60	McNeil, J.A. 2019. Eastern Painted Turtle trapping records, 2017. Mersey Tobeatic Research Institute.
60	Stewart, J.I. 2010. Peregrine Falcon Surveys in New Brunswick, 2002-09. Canadian Wildlife Service, Sackville, 58 recs.
58	Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.
56	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
55	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
54	Feltham, Carter. 2022. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
54	McNeil, J.A. 2014. Blandings Turtle (<i>Emydoidea blandingii</i>) and Snapping Turtle (<i>Chelydra serpentina</i>) sightings, 2014. Mersey Tobeatic Research Institute.
53	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
53	Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
52	Belliveau, A.G., Churchill, J.L. 2019. Compilation of flora and fauna observation records from Isle Haute, Nova Scotia. Acadia University; Atlantic Canada Conservation Data Centre, 522 recs.
51	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.
51	Mersey Tobeatic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobeatic Research Institute, 72 records.
50	McNeil, Jeffie. 2023. Ribbonsnake records from 2022. Mersey Tobeatic Research Institute.
49	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
48	Klymko, John. 2022. Atlantic Canada Conservation Data Centre zoological fieldwork 2021. Atlantic Canada Conservation Data Centre.
45	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
45	MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
45	McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute.
43	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
42	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
41	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
40	Cameron, E. 2007. Canadian Gypsum Co. survey 2005-07. Dillon Consulting Ltd, 40 recs.
40	Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.
39	McLean, K. 2019. Wood Turtle observations . Clean Annapolis River Project.
38	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
37	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
37	Hall, R.A. 2001. S. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
37	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
37	Newell, R.E. 2019. <i>Crocantemum canadense</i> records compiled for provincial status report. pers. comm. from Ruth Newell to AC CDC.
37	Tsehtik, M.; Leblanc, M.; Creaser, T. 2020. Coastal Action: 2020 Species at Risk Data. Coastal Action, 40 records.
36	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
36	Brazner, John; MacKinnon, Frances. 2020. Relative conservation value of Nova Scotia's forests: forested wetlands as avian biodiversity hotspots. Canadian Journal of Forest Research, 50(12): 1307-1322. dx.doi.org/10.1139/cjfr-2020-0101.
36	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre, 2318 recs.
34	Chapman, C.J. 2019. Atlantic Canada Conservation Data Centre 2019 botanical fieldwork. Atlantic Canada Conservation Data Centre, 11729 recs.
34	McNeil, J.A. 2020. Blanding's Turtle records, 2020. Mersey Tobeatic Research Institute.
33	Cameron, R.P. 2018. <i>Degellia plumbea</i> records. Nova Scotia Environment.
33	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
33	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.

# recs	CITATION
33	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
33	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
33	Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
32	Atlantic Canada Conservation Data Centre. 2020. Cape LaHave Island observations from August 2020. Atlantic Canada Conservation Data Centre, 605 records.
32	LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
32	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
31	Bayne, D.M. 2007. Atlantic Coastal Plain Flora record, 2004-06. Nova Scotia Nature Trust. Pers. comm. to C.S. Blaney, 57 recs.
31	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
30	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
30	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
29	Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
29	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
29	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
28	Pepper, Chris. 2012. Observations of breeding Canada Warbler's along the Eastern Shore, NS. Pers. comm. to S. Blaney, Jan. 20, 28 recs.
26	Neily, T.H. 2013. Email communication to Sean Blaney regarding <i>Listera australis</i> observations made from 2007 to 2011 in Nova Scotia. , 50.
26	Porter, Caitlin. 2021. Field data for 2020 in various locations across the Maritimes. Atlantic Canada Conservation Data Centre, 3977 records.
26	Richardson, D., Anderson, F., Cameron, R, McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (<i>Anzia colpodes</i>). COSEWIC.
25	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
24	Belliveau, A.G. 2021. New Black ash site records near Kentville, NS. Acadia University, 47 records.
24	McNeil, Jeffie. 2022. Ribbonsnake records, 2021. Mersey Tobeatic Research Institute.
23	McLean, K. 2020. Wood Turtle observations . Clean Annapolis River Project.
22	Breen, A. 2018. 2018 Atlantic Whitefish observations. Coastal Action.
22	Nelly, T.H. 2006. <i>Cyrtopodium arietinum</i> in Hants Co. Pers. comm. to C.S. Blaney. 22 recs, 22 recs.
21	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
21	MacKinnon, D.S. & O'Brien, M.K.H.; Cameron, R.P. 2002. Fieldwork 2000. Dept of Environment & Labour, Protected Areas Branch, 252 recs.
21	McLean, K. 2020. Species occurrence records from Clean Annapolis River Project fieldwork in 2020. Clean Annapolis River Project, 206 records.
21	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
20	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
19	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
19	Frittaion, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
19	Richardson, D., Anderson, F., Cameron, R, Pepper, C., Clayden, S. 2015. Field Work Report on the Wrinkled Shingle lichen (<i>Pannaria lurida</i>). COSEWIC.
19	Robinson, S.L. 2014. 2013 Field Data. Atlantic Canada Conservation Data Centre.
18	Basquill, S.; Sam, D. 2019. <i>Crocotanthemum canadense</i> observations near Greenwood, NS, 2015-2019. pers. commun. from Nova Scotia Department of Lands and Forestry to AC CDC, 18 recs.
18	Chapman-Lam, C.J. 2022. Atlantic Canada Conservation Data Centre 2021 botanical fieldwork. Atlantic Canada Conservation Data Centre, 15099 recs.
18	Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
17	Anderson, Frances; Neily, Tom. 2010. A Reconnaissance Level Survey of Calciphilous Lichens in Selected Karst Topography in Nova Scotia with Notes on Incidental Bryophytes. Mersey Tobeatic Research Institute.
17	Nature Conservancy of Canada. 2022. NCC Field data for Nova Scotia. Nature Conservancy of Canada.
17	Neily, T.H. 2010. <i>Erioderma pedicellatum</i> records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
17	Powell, B.C. 1967. Female sexual cycles of <i>Chrysemy spicta</i> & <i>Clemmys insculpta</i> in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
16	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
16	Holder, M. 2003. Assessment and update status report on the Eastern <i>Lilaeopsis</i> (<i>Lilaeopsis chinensis</i>) in Canada. Committee on the Status of Endangered Wildlife in Canada, 16 recs.
16	Klymko, J.J.D. 2018. 2017 field data. Atlantic Canada Conservation Data Centre.
16	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
15	Basquill, S.P. 2011 vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
15	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
15	Klymko, J.J.D. 2012. Odonata specimens & observations, 2010. Atlantic Canada Conservation Data Centre, 425 recs.
15	McNeil, J.A. 2011. Ribbonsnake (<i>Thamophis sauritus</i>) sightings, 2010. Parks Canada, 148 recs of 70+ individuals.
15	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
14	e-Butterfly. 2018. Selected Maritimes butterfly records from 2016 and 2017. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
14	McNeil, J.A. 2019. Snapping Turtle records, 2017. Mersey Tobeatic Research Institute.
13	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
13	MacKinnon, D.S. 1998. Ponhook Lake survey map & notes. Dept of Environment and Labour, Protected Areas Branch, 13 recs.
13	Nova Scotia Nature Trust. 2014. Ladyslipper records from Saint Croix Nova Scotia, JLC Ed. Nova Scotia Nature Trust.
13	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J.; ONHIC, 487 recs.
13	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
13	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
12	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of C. insculpta sightings. Acadia University, Wolfville NS, 88 recs.
12	Basquill, S.P. 2012. 2012 rare vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
12	Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.

# recs	CITATION
12	Hill, N.M. 2021. Observation of <i>Carex haydenii</i> and black ash near Marshy Hope and Ponhook Lake. pers. comm.
11	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
11	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
11	Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
11	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
10	Belliveau, A.G. & Vail, Cole; King, Katie. 2020. New Allium tricoccum locations. Cornwallis River. Chapman, C.J. (ed.) Acadia University.
10	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
10	Bredin, K.A. 2002. NS Freshwater Mussel Fieldwork. Atlantic Canada Conservation Data Centre, 30 recs.
10	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
10	Churchill, J.L.; Walker, J. 2017. Species at Risk Surveys at Correctional Services Canada Properties in Nova Scotia and New Brunswick. Atlantic Canada Conservation Data Centre.
10	Clayden, S.R. 2005. Confidential supplement to Status Report on Ghost Antler Lichen (<i>Pseudevernia cladonia</i>). Committee on the Status of Endangered Wildlife in Canada, 27 recs.
10	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
10	Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort (<i>Isoetes prototypus</i>). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
10	McMullin, R.T. 2022. Maritimes lichen records. Canadian Museum of Nature.
10	McNeil, J.A. 2017. Updates to Blanding's Turtle database, 1984-2014. Nova Scotia Tobeatic Research Institute.
10	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
10	Phinney, Lori; Toms, Brad; et. al. 2016. Bank Swallows (<i>Riparia riparia</i>) in Nova Scotia: inventory and assessment of colonies. Merset Tobeiatc Research Institute, 25 recs.
10	Robinson, S.L. 2015. 2014 field data.
9	Cameron, R.P. 2006. <i>Erioderma pedicellatum</i> 2006 field data. NS Dept of Environment, 9 recs.
9	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
9	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
9	Hauglian, S.R. 2018. Description of <i>Fuscopannaria leucosticta</i> field work in 2017. New Brunswick Museum, 314 recs.
9	McNeil, J.A. 2013. Ribbonsnake (<i>Thamnophis sauritus</i>) sightings, 2012. Parks Canada, 63 records of 26+ individuals.
9	McNeil, J.A. 2018. Snapping Turtle records, 2018. Mersey Tobeatic Research Institute.
8	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
8	Blaney, C.S.; Korol, J.B.; Crowell, I. 2023. 2022 AC CDC Botany program field data. Atlantic Canada Conservation Data Centre, 5293 records.
8	Cameron, R.P. 2005. <i>Erioderma pedicellatum</i> unpublished data. NS Dept of Environment, 9 recs.
8	Chapman, C.N. (Cody). 2020. Nova Scotia Black Ash (<i>Fraxinus nigra</i>) field observations by Confederacy of Mainland Mi'kmaq. Forestry Program, Confederacy of Mainland Mi'kmaq.
8	Holder, M.L.; Kingsley, A.L. 2000. Kingsley and Holder observations from 2000 field work.
8	King, Katie; Jean, Samuel. 2021. Black ash observations near Booklyn, NS. E.C. Smith Herbarium.
8	Klymko, J. Butterfly records at the Nova Scotia Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2017.
8	McLean, K. 2019. Species At Risk observations. Clean Annapolis River Project.
8	Neily, T.H. & Anderson, F. 2011. Lichen observations from NRC site at Sandy Cove. , 97.
8	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
8	Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
8	Webster, R.P. Atlantic Forestry Centre Insect Collection, Maritimes butterfly records. Natural Resources Canada. 2014.
8	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
7	Basquill, S.P. 2009. 2009 field observations. Nova Scotia Dept of Natural Resources.
7	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
7	Cameron, B. 2006. <i>Hepatica americana</i> Survey at Scotia Mine Site in Gays River, and Discovery of Three Yellow-listed Species. Conestoga-Rovers and Associates, (a consulting firm), october 25. 7 recs.
7	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
7	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
6	Benjamin, L.K. 2006. <i>Cypripedium arietinum</i> . Pers. comm. to D. Mazerolle. 9 recs, 9 recs.
6	Brazner, J.; Hill, N. 2018. Plant observations along the Cornwallis River, Nova Scotia. Nova Scotia Department of Lands and Forestry.
6	Canadian National Collection of Insects Arachnids, and Nematodes <i>Bombus</i> specimen database export. Government of Canada. 2022.
6	Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
6	Hall, R. 2008. Rare plant records in old fieldbook notes from Truro area. Pers. comm. to C.S. Blaney. 6 recs, 6 recs.
6	Matthew Smith. 2010. Field trip report from Avon Caving Club outlining the discovery of <i>Cypripedium arietinum</i> and <i>Hepatica nobilis</i> populations. Public Works and Government Services Canada.
6	McKendry, Karen. 2016. Rare species observations, 2016. Nova Scotia Nature Trust, 19 recs.
6	Nova Scotia Nature Trust. 2022. Ram's Head Lady Slipper observations from 2015 and 2019. , 6 records.
6	Pohl, G.P. Specimen data from Northern Forest Research Centre. Northern Forest Research Centre. 2022.
6	Rock, J. 2020. Atlantic Canada Piping Plover field surveys: Nesting pairs by beach, 2018-2020. Environment and Climate Change Canada - Canadian Wildlife Service, 216 records.
5	Carter, Jeff; Churchill, J.; Churchill, I.; Churchill, L. 2020. Bank Swallow colony Scots Bay, NS. Atlantic Canada Conservation Data Centre.
5	Hughes, Cory. 2020. Atlantic Forestry Centre <i>Coccinella transversoguttata</i> collections. Canadian Forest Service, Atlantic Forestry Centre.
5	Porter, K. 2013. 2013 rare and non-rare vascular plant field data. St. Mary's University, 57 recs.
5	Toms, Brad. 2011. Species at Risk data from 2011 field surveys. Mersey Tobeatic Research Institute, 17 recs.
5	Towell, C. 2014. 2014 Northern Goshawk and Common Nighthawk email reports, NS. NS Department of Natural Resources.
5	Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
4	Benedict, B. Connell Herbarium Specimens (Data) . University New Brunswick, Fredericton. 2003.

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4	Cameron, R.P. 2009. Nova Scotia nonvascular plant observations, 1995-2007. Nova Scotia Dept Natural Resources, 27 recs.
4	Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.
4	Cody, W.J. 2003. Nova Scotia specimens of <i>Equisetum pratense</i> at the DAO herbarium in Ottawa. , Pers. comm. to C.S. Blaney. 4 recs.
4	Forsythe, B. 2006. <i>Cypripedium arietinum</i> at Meadow Pond, Hants Co. Pers. comm. to C.S. Blaney. 4 recs, 4 recs.
4	Hennigar, Briana; Gow, Jonas. 2023. Bank Swallow Nesting Site in Waterville. The Jijuktu'kwejk Watershed Alliance.
4	Herman, T.B. & Power, T.D., Eaton, B. 1995. Population status of Blanding's Turtle (<i>Emydoidea blandingii</i>) in Nova Scotia. <i>Can. Field-Nat.</i> , 109: 182-191. 79 recs.
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4	Klymko, J.J.D. 2011. Insect fieldwork & submissions, 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 742 recs.
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APPENDIX F
FISH HABITAT

Watercourse	Position in stream	Bankfull width (m)	Wetted width (m)	Average depth (m)	Direction of flow	Velocity (m/s)	Water Chemistry	Substrate (%)	In-Stream Habitat Types (Present, Absent)	In-stream Cover (Trace, Moderate, Abundant)	Riparian Habitat Types (Present, Absent)	Bank Characteristics (Trace, Moderate, Abundant)	Fish Habitat (Poor, Moderate, High)	Barriers to Fish Passage
EF001 / Sandy Brook	Downstream	6.20	6.40	0.29	West	0.01	Temp. (°C) = 18.6 DO (mg/L) = 6.8 DO (%) = 76.4 Cond. (mS/cm) = 0.03 pH = 7.80	Bedrock = 0 Boulder (>25 cm) = 50 Rubble (14-25 cm) = 30 Cobble (3-13 cm) = 15 Gravel (2 mm-3 cm) = 5 Sand (0.06-2 mm) = 0 Fines (<0.06 mm) = 0	Pools = Absent Riffles = Absent Runs = Present Flat = Present Rapids = Absent Cascade = Absent	Boulders = Abundant Overhanging vegetation = Moderate Large woody debris = Moderate Small woody debris = Trace Deep pools = None Undercut banks = Abundant Instream vegetation = Moderate	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = Abundant	Spawning = High Rearing = Poor Overwintering = Poor	No.
	Crossing	5.34	3.46	0.23	West	0.01	Temp. (°C) = 19.4 DO (mg/L) = 7.2 DO (%) = 80.5 Cond. (mS/cm) = 0.03 pH = 6.69	Bedrock = 0 Boulder (>25 cm) = 25 Rubble (14-25 cm) = 60 Cobble (3-13 cm) = 7.5 Gravel (2 mm-3 cm) = 5 Sand (0.06-2 mm) = 2.5 Fines (<0.06 mm) = 0	Pools = Absent Riffles = Present Runs = Present Flat = Present Rapids = Absent Cascade = Absent	Boulders = Abundant Overhanging vegetation = Moderate Large woody debris = None Small woody debris = Trace Deep pools = None Undercut banks = Trace Instream vegetation = Abundant	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = None Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = Moderate	Spawning = Moderate Rearing = Moderate Overwintering = Poor	
	Upstream	6.85	5.95	0.12	West	0.01	Temp. (°C) = 20.8 DO (mg/L) = 6.65 DO (%) = 71.0 Cond. (mS/cm) = 0.03 pH = 6.63	Bedrock = 0 Boulder (>25 cm) = 10 Rubble (14-25 cm) = 65 Cobble (3-13 cm) = 15 Gravel (2 mm-3 cm) = 2.5 Sand (0.06-2 mm) = 7.5 Fines (<0.06 mm) = 0	Pools = Absent Riffles = Present Runs = Present Flat = Present Rapids = Absent Cascade = Absent	Boulders = Moderate Overhanging vegetation = Moderate Large woody debris = Trace Small woody debris = Trace Deep pools = None Undercut banks = Abundant Instream vegetation = Trace	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = Abundant	Spawning = High Rearing = Moderate Overwintering = Poor	
EF002 / Melvin Brook	Downstream	4.25	2.7	0.35	North	0.01	Temp. (°C) = 20.8 DO (mg/L) = 6.2 DO (%) = 72 Cond. (mS/cm) = 0.03 pH = 6.20	Bedrock = 0 Boulder (>25 cm) = 25 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 7.5 Gravel (2 mm-3 cm) = 7.5 Sand (0.06-2 mm) = 60 Fines (<0.06 mm) = 0	Pools = Absent Riffles = Absent Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = Moderate Overhanging vegetation = Moderate Large woody debris = None Small woody debris = Trace Deep pools = None Undercut banks = Moderate Instream vegetation = Moderate	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Trace Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = Abundant	Spawning = High Rearing = Poor Overwintering = Poor	Narrow passage upstream from where upstream data was collected, may create a barrier during perios of low flow.
	Crossing	3.16	2.32	0.26	North	0.01	Temp. (°C) = 19.2 DO (mg/L) = 6.1 DO (%) = 65 Cond. (mS/cm) = 0.03 pH = 5.60	Bedrock = 20 Boulder (>25 cm) = 30 Rubble (14-25 cm) = 10 Cobble (3-13 cm) = 10 Gravel (2 mm-3 cm) = 10 Sand (0.06-2 mm) = 20 Fines (<0.06 mm) = 0	Pools = Absent Riffles = Present Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = Abundant Overhanging vegetation = Moderate Large woody debris = None Small woody debris = Trace Deep pools = None Undercut banks = Trace Instream vegetation = Trace	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Absent	Evidence of siltation = Moderate Eroding banks = Moderate Bank stability = Moderate Degree of siltation = Trace Undercut banks = Trace	Spawning = High Rearing = Poor Overwintering = Poor	
	Upstream	5.61	5.15	0.36	North	0.01	Temp. (°C) = 22.7 DO (mg/L) = 5.28 DO (%) = 60.3 Cond. (mS/cm) = 0.03 pH = 5.41	Bedrock = 40 Boulder (>25 cm) = 40 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 0 Gravel (2 mm-3 cm) = 0 Sand (0.06-2 mm) = 0 Fines (<0.06 mm) = 20	Pools = Absent Riffles = Present Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = Abundant Overhanging vegetation = Abundant Large woody debris = Trace Small woody debris = Trace Deep pools = Trace Undercut banks = None Instream vegetation = Trace	Herbaceous = Present Graminoids = Present Shrub = Absent Softwood = Present Hardwood = Present	Evidence of siltation = Trace Eroding banks = None Bank stability = Abundant Degree of siltation = Moderate Undercut banks = Trace	Spawning = Poor Rearing = Poor Overwintering = Poor	

Watercourse	Position in stream	Bankfull width (m)	Wetted width (m)	Average depth (m)	Direction of flow	Velocity (m/s)	Water Chemistry	Substrate (%)	In-Stream Habitat Types (Present, Absent)	In-stream Cover (Trace, Moderate, Abundant)	Riparian Habitat Types (Present, Absent)	Bank Characteristics (Trace, Moderate, Abundant)	Fish Habitat (Poor, Moderate, High)	Barriers to Fish Passage
EF003 / Unnamed watercourse	Downstream	5.19	3.59	0.18	West	0.01	Temp. (°C) = 19.6 DO (mg/L) = 8.13 DO (%) = 86.6 Cond. (mS/cm) = 0.05 pH = 6.28	Bedrock = 5 Boulder (>25 cm) = 0 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 0 Gravel (2 mm-3 cm) = 0 Sand (0.06-2 mm) = 0 Fines (<0.06 mm) = 95	Pools = Present Riffles = Absent Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = None Overhanging vegetation = None Large woody debris = Trace Small woody debris = Moderate Deep pools = None Undercut banks = None Instream vegetation = Abundant	Herbaceous = Absent Graminoids = Present Shrub = Present Softwood = Absent Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Moderate Undercut banks = None	Spawning = High Rearing = Poor Overwintering = Poor	Low water levels and boulders/snags in the stream.
	Crossing	2.98	2.55	0.13	West	0.01	Temp. (°C) = 18.2 DO (mg/L) = 3.84 DO (%) = 43.0 Cond. (mS/cm) = 0.04 pH = 5.78	Bedrock = 0 Boulder (>25 cm) = 60 Rubble (14-25 cm) = 10 Cobble (3-13 cm) = 5 Gravel (2 mm-3 cm) = 10 Sand (0.06-2 mm) = 10 Fines (<0.06 mm) = 5	Pools = Absent Riffles = Present Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = Abundant Overhanging vegetation = Abundant Large woody debris = Moderate Small woody debris = Trace Deep pools = None Undercut banks = Trace Instream vegetation = Trace	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Trace Degree of siltation = Moderate Undercut banks = Trace	Spawning = High Rearing = Poor Overwintering = Poor	
	Upstream	4.5	3.05	0.15	West	0.01	Temp. (°C) = 21.9 DO (mg/L) = 3.64 DO (%) = 44.4 Cond. (mS/cm) = 0.04 pH = 5.74	Bedrock = 0 Boulder (>25 cm) = 20 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 0 Gravel (2 mm-3 cm) = 25 Sand (0.06-2 mm) = 20 Fines (<0.06 mm) = 35	Pools = Present Riffles = Absent Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = Moderate Overhanging vegetation = Moderate Large woody debris = Moderate Small woody debris = Trace Deep pools = None Undercut banks = None Instream vegetation = Abundant	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Moderate Undercut banks = None	Spawning = High Rearing = Poor Overwintering = Poor	
EF004 / Marr Brook	Downstream	7.5	7.5	0.84	South	0.01	Temp. (°C) = 21.4 DO (mg/L) = 6.90 DO (%) = 80.0 Cond. (mS/cm) = 0.03 pH = 6.40	Bedrock = 0 Boulder (>25 cm) = 0 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 0 Gravel (2 mm-3 cm) = 0 Sand (0.06-2 mm) = 0 Fines (<0.06 mm) = 100	Pools = Absent Riffles = Absent Runs = Absent Flat = Present Rapids = Absent Cascade = Absent	Boulders = None Overhanging vegetation = None Large woody debris = None Small woody debris = Trace Deep pools = Trace Undercut banks = Abundant Instream vegetation = Abundant	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = Abundant	Spawning = Poor Rearing = Poor Overwintering = Moderate	No.
	Crossing	3.2	1.3	0.13	South	0.01	Temp. (°C) = 19.1 DO (mg/L) = 5.42 DO (%) = 58.5 Cond. (mS/cm) = 0.03 pH = 5.97	Bedrock = 10 Boulder (>25 cm) = 50 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 0 Gravel (2 mm-3 cm) = 5 Sand (0.06-2 mm) = 5 Fines (<0.06 mm) = 30	Pools = Absent Riffles = Absent Runs = Present Flat = Present Rapids = Absent Cascade = Absent	Boulders = Moderate Overhanging vegetation = None Large woody debris = None Small woody debris = Trace Deep pools = None Undercut banks = None Instream vegetation = Abundant	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = None	Spawning = Poor Rearing = Poor Overwintering = Poor	
	Upstream	2.67	2.38	0.12	South	0.01	Temp. (°C) = 21.8 DO (mg/L) = 6.74 DO (%) = 76.5 Cond. (mS/cm) = 0.03 pH = 6.21	Bedrock = 0 Boulder (>25 cm) = 50 Rubble (14-25 cm) = 0 Cobble (3-13 cm) = 0 Gravel (2 mm-3 cm) = 5 Sand (0.06-2 mm) = 5 Fines (<0.06 mm) = 40	Pools = Absent Riffles = Absent Runs = Present Flat = Present Rapids = Absent Cascade = Absent	Boulders = Moderate Overhanging vegetation = Trace Large woody debris = Trace Small woody debris = Moderate Deep pools = None Undercut banks = Abundant Instream vegetation = Abundant	Herbaceous = Present Graminoids = Present Shrub = Present Softwood = Present Hardwood = Present	Evidence of siltation = Moderate Eroding banks = None Bank stability = Abundant Degree of siltation = Trace Undercut banks = Abundant	Spawning = Poor Rearing = Moderate Overwintering = Poor	

Watercourse ID	Watercourse Class	Surveyed Reach	Habitat Characteristics			Fish Observed
			Spawning	Rearing	Overwintering	
WC1	Intermittent (<2 m)	Downstream	N/A	N/A	N/A	N/A
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Moderate	No
WC7	Intermittent (<2 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Moderate	Moderate	No
		Upstream	Low	Low	Low	No
WC12	Intermittent (<2 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No
WC13	Ephemeral	Downstream	Low	Low	Low	No
		Crossing	N/A	N/A	N/A	N/A
		Upstream	N/A	N/A	N/A	N/A
WC14 (Sandy Brook)	Large Permanent (>5 m)	Downstream	High	High	High	No
		Crossing	High	High	High	No
		Upstream	High	High	High	No
WC15	Intermittent (<2 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No
WC16	Small Permanent (2-5 m)	Downstream	Moderate	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No
WC17	Small Permanent (2-5 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Moderate	Moderate	No
WC20	Small Permanent (2-5 m)	Downstream	Moderate	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No
WC21	Small Permanent (2-5 m)	Downstream	N/A	N/A	N/A	N/A
		Crossing	N/A	N/A	N/A	N/A
		Upstream	Low	Low	Low	No
WC22	Intermittent (<2 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No
WC23	Small Permanent (2-5 m)	Downstream	Moderate	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No
WC24 (Melvin Brook)	Large Permanent (>5 m)	Downstream	Moderate	Moderate	Moderate	No
		Crossing	Moderate	Moderate	Moderate	No
		Upstream	Low	Low	Moderate	No
WC28	Small Permanent (2-5 m)	Downstream	Moderate	Moderate	Moderate	No
		Crossing	Moderate	Moderate	Moderate	No
		Upstream	Moderate	Moderate	Low	No
WC30	Small Permanent (2-5 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Low	Moderate	No
		Upstream	Low	Low	Low	No
WC31 (Marr Brook)	Small Permanent (2-5 m)	Downstream	N/A	N/A	N/A	N/A
		Crossing	Low	Moderate	Low	No
		Upstream	Low	Moderate	High	Yes
WC32	Small Permanent (2-5 m)	Downstream	Low	Low	Low	No
		Crossing	Low	Low	Low	No
		Upstream	Low	Low	Low	No

APPENDIX G
WETLANDS

WETLAND ID	WETLAND TYPE	AREA (m ²)	LANDFORM	DIRECTION OF FLOW	SOIL TYPE	SURFACE/ HYDROLOGIC CONDITIONS	FISH-BEARING POTENTIAL	DOMINANT VEGETATION			UPLAND HABITAT	ASSOCIATED WATERCOURSE
								HERBACEOUS	SHRUB	TREES		
WL1	Shrub Swamp; Treed Swamp	476.89	Basin	Isolated	A1: Histosol	Saturation; Sediment deposits; Water stained leaves	Low	Russet cottongrass (<i>Eriophorum russeolum</i>); Northern long sedge (<i>Carex folliculata</i>); Swamp dewberry (<i>Rubus hispida</i>); Labrador tea (<i>Rhododendron groenlandicum</i>); Three-leaved false Soloman's seal (<i>Maianthemum trifolium</i>); Star sedge (<i>Carex echinata</i>); Club spur orchid (<i>Platanthera clavellata</i>); Fraser's marsh St. Johnswort (<i>Triadenum fraseri</i>)	Speckled alder (<i>Alnus incana</i>); Meadowsweet (<i>Spiraea alba</i>); Northern wild raisin (<i>Viburnum nudum</i>); Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Coniferous dominant mixedwood forest	N/A
WL2	Treed Swamp	2,801.07	Basin	Isolated	A2: Histic epipedon	High Water Table; Saturation; Sparsely Vegetated Concave Surf	Low	New York fern (<i>Amauropelta noveboracensis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Northern starflower (<i>Lysimachia borealis</i>); Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>); Wild sarsaparilla (<i>Aralia nudicaulis</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Common winterberry (<i>Ilex verticillata</i>); Speckled alder (<i>Alnus incana</i>)	Black spruce (<i>Picea mariana</i>)	Coniferous dominant mixedwood forest	N/A
WL3	Treed Swamp	751.10	Basin	Isolated	A1: Histosol	High Water Table; Saturation, Sparsely Vegetated Concave Surf; Drainage Patterns; Surface Water	Low	Yellow bluebead lily (<i>Clintonia borealis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Three-seeded sedge (<i>Carex trisperma</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Mature Coniferous forest	N/A
WL4	Treed Swamp	805.17	Slope	Isolated	A1: Histosol	Surface Water; High Water Table; Saturation; Sparsely Vegetated Concave Surf; Drainage Patterns	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Red maple (<i>Acer rubrum</i>); Grass sp.; Three-leaved false Soloman's seal (<i>Maianthemum trifolium</i>);	Black spruce (<i>Picea mariana</i>); Mountain holly (<i>Ilex mucronata</i>); Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>);	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Coniferous forest	N/A
WL5	Shrub Swamp; Bog	880.82	Basin	Throughflow	A2: Histic epipedon	Surface Water; High Water Table; Saturation; Sparsely Vegetated Concave Surf; Drainage Patterns	Low	Northern pitcher plant (<i>Sarracenia purpurea</i>); White beakrush (<i>Rhynchospora alba</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Three-leaved false Soloman's seal (<i>Maianthemum trifolium</i>); Small cranberry (<i>Vaccinium oxycoccos</i>); Round-leaved sundew (<i>Drosera rotundifolia</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>);	Speckled alder (<i>Alnus incana</i>); Northern wild raisin (<i>Viburnum nudum</i>); Black spruce (<i>Picea mariana</i>); Gray birch (<i>Betula populifolia</i>); Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>)	Black spruce (<i>Picea mariana</i>); Gray birch (<i>Betula populifolia</i>)	Coniferous dominant mixedwood forest	WC1
WL6	Shrub Swamp	619.56	Basin	Isolated	A2: Histic epipedon	Saturation; High water table; Drainage patterns	Low	Star sedge (<i>Carex echinata</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Swamp dewberry (<i>Rubus hispida</i>); Steeplebush (<i>Spiraea tomentosa</i>); Northern long sedge (<i>Carex folliculata</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>);	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Gray birch (<i>Betula populifolia</i>)	Red spruce (<i>Picea rubens</i>); Gray birch (<i>Betula populifolia</i>)	Mixedwood forest upslope from wetland	N/A
WL7	Shrub Swamp; Treed Swamp	2,715.04	Basin	Isolated	A1: Histosol	High water table; Saturation	Low	Three-leaved false Soloman's seal (<i>Maianthemum trifolium</i>); Goldthread (<i>Coptis trifolia</i>); Narrow-leaved cottongrass (<i>Eriophorum angustifolium</i>); Northern pitcher plant (<i>Sarracenia purpurea</i>);	Mountain holly (<i>Ilex mucronata</i>); Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Black spruce (<i>Picea mariana</i>)	Rocky ridges with <i>Cladonia</i> spp. present	N/A
WL8	Shrub Swamp; Treed Swamp	396.81	Basin	Isolated	A1: Histosol	High water table; Saturation	Low	Two-seeded Sedge (<i>Carex disperma</i>); Three-leaved false Soloman's seal (<i>Maianthemum trifolium</i>); Bunchberry (<i>Cornus canadensis</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Mountain holly (<i>Ilex mucronata</i>); Red maple (<i>Acer rubrum</i>)	Mountain holly (<i>Ilex mucronata</i>); Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Eastern White Pine (<i>Pinus strobus</i>); Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>)	Matured coniferous dominate mixedwood forest	N/A
WL9	Treed Swamp	401.68	Basin	Isolated	A2: Histic epipedon	High water table; Saturation	Low	Bunchberry (<i>Cornus canadensis</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Grass (<i>Poaceae</i> spp.)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); White birch (<i>Betula minor</i>) Black spruce (<i>Picea mariana</i>)	Black spruce (<i>Picea mariana</i>)	Mature SP7	N/A
WL10	Treed Swamp; Marsh	1,170.51	Floodplain	Throughflow	A2: Histic epipedon	High water table; Saturation; Surface water	High	Poison ivy (<i>Toxicodendron pubescens</i>); Bunchberry (<i>Cornus canadensis</i>); Grass (<i>Poaceae</i> spp.)	Speckled alder (<i>Alnus incana</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Mature SH5a	WC3
WL11	Treed Swamp	148.59	Fringe	Isolated	A1: Histosol	High water table; Saturation; Surface water	Low	Bunchberry (<i>Cornus canadensis</i>); Red maple (<i>Acer rubrum</i>); Two-seeded Sedge (<i>Carex disperma</i>)	Balsam fir (<i>Abies balsamea</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>); Yellow birch (<i>Betula alleghaniensis</i>)	Young SH5a	N/A
WL12	Treed Swamp	1,433.22	Basin	Throughflow	A2: Histic epipedon	Surface Water; High Water Table; Saturation; Drainage Patterns	Low	Swamp dewberry (<i>Rubus hispida</i>); Sensitive fern (<i>Onoclea sensibilis</i>); Fowl manna grass (<i>Glyceria striata</i>); Whorled wood aster (<i>Oclemena acuminata</i>); New York fern (<i>Amauropelta noveboracensis</i>)	Speckled alder (<i>Alnus incana</i>); Balsam fir (<i>Abies balsamea</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Rocky slope with mature coniferous forest.	WC6

WETLAND ID	WETLAND TYPE	AREA (m ²)	LANDFORM	DIRECTION OF FLOW	SOIL TYPE	SURFACE/ HYDROLOGIC CONDITIONS	FISH-BEARING POTENTIAL	DOMINANT VEGETATION			UPLAND HABITAT	ASSOCIATED WATERCOURSE
								HERBACEOUS	SHRUB	TREES		
WL13	Treed Swamp	2,364.41	Basin	Throughflow	A1: Histosol	High water table; Saturation	Low	New York fern (<i>Amauropelta noveboracensis</i>); Dwarf red raspberry (<i>Rubus pubescens</i>); Grass (<i>Poaceae spp.</i>); Bunchberry (<i>Cornus canadensis</i>); Red maple (<i>Acer rubrum</i>)	Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Mature coniferous forest.	WC7
WL14	Shrub Swamp	224.64	Basin	Isolated	A2: Histic epipedon	Surface Water; High Water Table	Low	Sheep laurel (<i>Kalmia angustifolia</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Gray birch (<i>Betula populifolia</i>); Red spruce (<i>Picea rubens</i>); Northern wild raisin (<i>Viburnum nudum</i>); Mountain holly (<i>Ilex mucronata</i>)	---	Regenerating forest.	N/A
WL15	Shrub Swamp; Bog	205.16	Basin	Isolated	A2: Histic epipedon	High Water Table; Saturation; Sparsely Vegetated Concave Surf	Low	Swamp dewberry (<i>Rubus hispidus</i>); Labrador tea (<i>Rhododendron groenlandicum</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Grass (<i>Poaceae spp.</i>) 20 Three-way sedge (<i>Dulichium arundinaceum</i>)	Black spruce (<i>Picea mariana</i>); Tamarack (<i>Larix laricina</i>)	Eastern White Pine (<i>Pinus strobus</i>); Black spruce (<i>Picea mariana</i>); Tamarack (<i>Larix laricina</i>)	Regenerating Coniferous forest.	N/A
WL16	Shrub Swamp	231.92	Flat	Isolated	A2: Histic epipedon	Saturation	Low	Creeping snowberry (<i>Gaultheria hispidula</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Grass (<i>Poaceae spp.</i>); Lowbush blueberry (<i>Vaccinium angustifolium</i>)	Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>); Gray birch (<i>Betula populifolia</i>)	Red spruce (<i>Picea rubens</i>)	Rocky, shrubby, highly disturbed area with large boulders.	N/A
WL17	Treed Swamp	373.56	Slope	Throughflow	A1: Histosol	Sparsely Vegetated Concave Surf; Saturation	Low	Goldthread (<i>Coptis trifolia</i>); Three-seeded Sedge (<i>Carex trisperma</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Speckled alder (<i>Alnus incana</i>); Balsam fir (<i>Abies balsamea</i>); Eastern White Pine (<i>Pinus strobus</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>); Yellow birch (<i>Betula alleghaniensis</i>)	Dense mixedwood, understory dark and sparse.	WC6
WL18	Shrub Swamp	340.54	Basin	Isolated	A2: Histic epipedon	Saturation; High water table	Low	Fowl manna grass (<i>Glyceria striata</i>); Common Woolly Bulrush (<i>Scirpus cyperinus</i>); Sheep laurel (<i>Kalmia angustifolia</i>)	Gray birch (<i>Betula populifolia</i>); Red spruce (<i>Picea rubens</i>)	---	Regenerating previously harvested forest.	N/A
WL19	Shrub swamp; Treed swamp	7,190.39	Basin	Throughflow	A1: Histosol	Surface Water; High Water Table; Saturation; Hydrogen Sulfide Odor; Drainage Patterns	High	New York fern (<i>Amauropelta noveboracensis</i>); Wild sarsaparilla (<i>Aralia nudicaulis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Red maple (<i>Acer rubrum</i>); Bunchberry (<i>Cornus canadensis</i>)	Baslam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>)	Baslam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>)	Regenerating previously harvested forest.	N/A
WL20	Shrub Swamp	980.09	Flat	Isolated	A1: Histosol	Saturation; High water table; Drainage patterns	Low	Bog cranberry (<i>Vaccinium oxycoccos</i>); Creeping snowberry (<i>Gaultheria hispidula</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Fowl manna grass (<i>Glyceria striata</i>); Lowbush blueberry (<i>Vaccinium angustifolium</i>); Sheep laurel (<i>Kalmia angustifolia</i>)	Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>); White birch (<i>Betula minor</i>)	Red spruce (<i>Picea rubens</i>)	Young sloped mixedwood forest regenerating after harvest.	N/A
WL21	Shrub swamp; Marsh	508.39	Basin	Isolated	A1: Histosol	High water table; Saturation	Low	Swamp dewberry (<i>Rubus hispidus</i>); Bog aster (<i>Oclemena nemoralis</i>); Sensitive fern (<i>Onoclea sensibilis</i>); Soft rush (<i>Juncus efusus</i>)	Willow spp (<i>Salix spp</i>)	Trembling aspen (<i>Populus tremuloides</i>); White birch (<i>Betula minor</i>); Yellow birch (<i>Betula alleghaniensis</i>)	First growth mixed forest.	N/A
WL22	Shrub swamp	785.82	Basin	Isolated	A1: Histosol	Saturation	Low	Tawny cottongrass (<i>Eriophorum virginicum</i>); Common woolly bulrush (<i>Scirpus cyperinus</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Bunchberry (<i>Cornus canadensis</i>); Bristly dewberry (<i>Rubus hispidus</i>)	Gray birch (<i>Betula populifolia</i>); Red maple (<i>Acer rubrum</i>); Northern wild raisin (<i>Viburnum cassinoides</i>); Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>)	Red spruce (<i>Picea rubens</i>); Balsam fir (<i>Abies balsamea</i>); Eastern white pine (<i>Pinus strobus</i>)	Upward sloping young forest.	N/A
WL23	Treed swamp	3,680.14	Basin	Isolated	A1: Histosol	High water table; Saturation; Drainage patterns	Low	Sheep laurel (<i>Kalmia angustifolia</i>); Small cranberry (<i>Vaccinium oxycoccos</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Bunchberry (<i>Cornus canadensis</i>)	Balsam fir (<i>Abies balsamea</i>); Wild raisin (<i>Viburnum cassinoides</i>); Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>); Speckled alder (<i>Alnus incana</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>)	Sloped regenerating coniferous forest	N/A
WL24	Shrub swamp	7,782.28	Fringe	Isolated	A1: Histisol	Saturation; Surface water	Low	Bare ground	Leatherleaf (<i>Chamaedaphne calyculata</i>); White meadowsweet (<i>Spirea alba</i>); Red maple (<i>Acer rubrum</i>)	Tamarack (<i>Larix laricina</i>)	Sloped regenerating coniferous forest. Dense shrub and herbaceous layer	N/A
WL25	Treed swamp	1,987.86	Basin	Isolated	A1: Histisol	Saturation; High water table	Low	Bunchberry (<i>Cornus canadensis</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Sheep laurel (<i>Kalmia angustifolia</i>); Mountain holly (<i>Ilex mucronata</i>); Black huckleberry (<i>Gaylussacia baccata</i>); Red spruce (<i>Picea rubens</i>)	Red spruce (<i>Picea rubens</i>)	Mature coniferous forest. Dense shrub layer	N/A
WL26	Shrub swamp	4,650.70	Basin	Isolated	A1: Histosol	Surface water; High water table, Saturation	Low	Bristly dewberry (<i>Rubus hispidus</i>); Bunchberry (<i>Cornus canadensis</i>); Bog aster (<i>Oclemena nemoralis</i>)	Black spruce (<i>Picea mariana</i>); Paper birch (<i>Betula papyrifera</i>); Red maple (<i>Acer rubrum</i>)	NA (No trees at soil pit location)	Young first growth forest. Shallow organic soil on bedrock	N/A
WL27	Shrub swamp	2,431.62	Fringe	Isolated	A1: Histosol	Surface water; High water table; Saturation	Low	Bristly dewberry (<i>Rubus hispidus</i>); White meadowsweet (<i>Spirea alba</i>); Common labrador tea (<i>Rhododendron groenlandicum</i>); Carex sp.	Leatherleaf (<i>Chamaedaphne calyculata</i>); Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Black huckleberry (<i>Gaylussacia baccata</i>)	Black spruce (<i>Picea mariana</i>); Tamarack (<i>Larix laricina</i>)	Sloped, regenerating mixedwood forest near old road	N/A

WETLAND ID	WETLAND TYPE	AREA (m ²)	LANDFORM	DIRECTION OF FLOW	SOIL TYPE	SURFACE/ HYDROLOGIC CONDITIONS	FISH-BEARING POTENTIAL	DOMINANT VEGETATION			UPLAND HABITAT	ASSOCIATED WATERCOURSE
								HERBACEOUS	SHRUB	TREES		
WL28	Treed swamp	5,770.44	Basin	Inflow	A1: Histisol	High watertable; Saturation; Sparcely vegetated concave surface	Low	Wild sarsaparilla (<i>Aralia nudicaulis</i>); Bunchberry (<i>Cornus canadensis</i>); Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>); Fowl manna grass (<i>Glyceria striata</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>); Mountain holly (<i>Ilex mucronata</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Rocky, mature pine forest	N/A
WL29	Shrub swamp	384.46	Flat	Isolated	A1: Histisol	High water table; Saturation	Low	Fowl manna grass (<i>Glyceria striata</i>); Common Woolly Bulrush (<i>Scirpus cyperinus</i>); Whorled wood aster (<i>Oclemea acuminata</i>); Violet sp.	Paper birch (<i>Betula papyrifera</i>); Red spruce (<i>Picea rubens</i>)	Paper birch (<i>Betula papyrifera</i>)	Young deciduous forest	N/A
WL30	Shrub swamp	1,215.90	Basin	Isolated	A2: Histic epipedon	High water table; Saturation; Drainage patterns	Low	Bluejoint reed grass (<i>Calamagrostis canadensis</i>); Bristly dewberry (<i>Rubus hispida</i>); Fowl manna grass (<i>Glyceria striata</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Black chokeberry (<i>Aronia melanocarpa</i>)	Speckled alder (<i>Alnus incana</i>); Red spruce (<i>Picea rubens</i>); Northern wild raisin (<i>Viburnum cassinoides</i>); White meadowsweet (<i>Spirea alba</i>)	NA (No trees at soil pit location)	Rocky, regenerating coniferous forest	N/A
WL31	Shrub swamp	1,248.02	Slope	Isolated	A1: Histisol	Saturation	Low	Bristly dewberry (<i>Rubus hispida</i>); Grass sp.; Speckled alder (<i>Alnus incana</i>); White meadowsweet (<i>Spirea alba</i>); Sheep laurel (<i>Kalmia angustifolia</i>)	Speckled alder (<i>Alnus incana</i>); White meadowsweet (<i>Spirea alba</i>)	Tamarack (<i>Larix laricina</i>); Red maple (<i>Acer rubrum</i>); Blsam fir (<i>Abies balsamea</i>); Black spruce (<i>Picea mariana</i>)	Disturbed roadside. Glacier erratics present	N/A
WL32	Shrub swamp	7,744.27	Basin	Isolated	A2: Histic epipedon	Surface water; High water table; Saturation	Low	Leatherleaf (<i>Chamaedaphne calyculata</i>); Bristly dewberry (<i>Rubus hispida</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Graminoid sp.	Mountain holly (<i>Ilex mucronata</i>); Red maple (<i>Acer rubrum</i>)	Red maple (<i>Acer rubrum</i>)	Young mixedwood forest. Glacier erratics present	N/A
WL33	Shrub swamp	1,242.26	Basin	Isolated	A1: Histisol	High water table; Saturation; Sparsely vegetated concave surface	Low	Bristly dewberry (<i>Rubus hispida</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Hairy flat-top white aster (<i>Doellingeria umbellata</i>); White meadowsweet (<i>Spirea alba</i>); Red maple (<i>Acer rubrum</i>)	Red maple (<i>Acer rubrum</i>); Speckled alder (<i>Alnus incana</i>); White meadowsweet (<i>Spirea alba</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Regenerating coniferous forest	N/A
WL34	Fen	5,319.50	Slope	Throughflow	A1: Histisol	Surface water; High water table; Saturation; Drainage patterns; Sparsley vegetated concave surface; Water stained leaves	High	Sweet gale (<i>Myrica gale</i>); Leatherleaf (<i>Chamaedaphne calyculata</i>); Bog rosemary (<i>Andromeda polifolia</i>); Few-seeded sedge (<i>Carex oligosperma</i>); Carex sp.	NA (no shrubs, open herbaceous fen)	NA (No trees, open herbaceous fen)	Mature coniferous forest with exposed bedrock	WC11
WL35	Shrub swamp	1,254.50	Basin	Isolated	A1: Histisol	Surface water; High water table; Saturation; Drainage patterns; Surface soil cracks; Hydrogen sulfide odor	Low	Tawny cottongrass (<i>Eriophorum virginicum</i>); Interrupted fern (<i>Claytosmunda claytoniana</i>); Broad-leaved cattail (<i>Typha latifolia</i>); Blackberry sp.; Sheep laurel (<i>Kalmia angustifolia</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea rubens</i>); Gray birch (<i>Betula populifolia</i>)	Black spruce (<i>Picea mariana</i>)	Sloped coniferous forest	N/A
WL36	Shurb swamp	375.77	Basin	Isolated	A1: Histisol	High water table; Saturation	Low	Common wooly bulrush (<i>Scirpus cyperinus</i>); Broad-leaved cattail (<i>Typha latifolia</i>); Sensitive fern (<i>Onoclea sensibilis</i>)	Cherry sp.; Gray birch (<i>Betula populifolia</i>)	NA (roadside herbaceous wetland)	Gravel road	N/A
WL37	Shrub swamp	1,606.89	Basin	Isolated	A1: Histisol	Surface water; High water table; Saturation; Sparsley vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Bunchberry (<i>Cornus canadensis</i>); Northern starflower (<i>Lysichimachia borealis</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Twinflower (<i>Linnaea borealis</i>); New york fern (<i>Amauropelta noveboracensis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>)	Steep regenerating coniferous forest	N/A
WL38	Shrub swamp	255.57	Basin	Isolated	A2: Histic epipedon	High water table; Saturation; Sparsely vegetated concave surface; Hydrogen sulfide odor	Low	Two-seeded sedge (<i>Carex disperma</i>); Red maple (<i>Acer rubrum</i>); Common wooly bulrush (<i>Scirpus cyperinus</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Mountain holly (<i>Ilex mucronata</i>); Black spruce (<i>Picea mariana</i>); Gray birch (<i>Betula populifolia</i>); Red maple (<i>Acer rubrum</i>); Black huckleberry (<i>Gaylussacia baccata</i>)	Tamarack (<i>Larix laricina</i>); Gray birch (<i>Betula populifolia</i>); Red maple (<i>Acer rubrum</i>)	Sloped regenerating mixedwood. Uneven terrain, boulder covered with bryophytes and lichens	N/A
WL39	Shrub swamp	178.29	Basin	Isolated	A11: Depleted below dark surface	Surface water; High water table; Water stained leaves; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Common wooly bulrush (<i>Scirpus cyperinus</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Bunchberry (<i>Cornus canadensis</i>); Black spruce (<i>Picea mariana</i>); Rhodora (<i>Rhododendron canadense</i>)	Black spruce (<i>Picea mariana</i>); Yellow birch (<i>Betula alleghaniensis</i>)	Black spruce (<i>Picea mariana</i>)	Sloped dense regenerating mixedwood	N/A
WL40	Bog	652.86	Basin	Isolated	A11: Depleted below dark surface	Surface water; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Tawny cottongrass (<i>Eriophorum virginicum</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Black huckleberry (<i>Gaylussacia baccata</i>); Rhodora (<i>Rhododendron canadense</i>); Carex sp.	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>); White pine (<i>Pinus strobus</i>); Gray birch (<i>Betula populifolia</i>); Trembling aspen (<i>Populus tremuloides</i>)	Black spruce (<i>Picea mariana</i>)	Sloped regenerating mixedwood. Heavy shrub layer	N/A

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								HERBACEOUS	SHRUB	TREES		
WL41	Shrub swamp	1,899.40	Basin	Throughflow	S1: Sandy mucky material	Surface water; High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Two-seeded sedge (<i>Carex disperma</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Red spruce (<i>Picea rubens</i>); New York fern (<i>Amauropelta noveboracensis</i>); Interrupted fern (<i>Claytonia claytoniana</i>)	Red spruce (<i>Picea rubens</i>); Striped maple (<i>Acer pensylvanicum</i>); Speckled alder (<i>Alnus incana</i>)	Red spruce (<i>Picea rubens</i>); Black spruce (<i>Picea mariana</i>)	Sloped coniferous forest. Moss covered boulders and scattered deciduous trees present	WC13
WL42	Shrub swamp	2,846.69	basin	Throughflow	S1: Sandy mucky material	Surface water; High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Blackberry sp.; Creeping snowberry (<i>Gaultheria hispida</i>); Goldthread (<i>Coptis trifolia</i>); Blueberry sp.; Sheep laurel (<i>Kalmia angustifolia</i>); Red spruce (<i>Picea rubens</i>); New York fern (<i>Amauropelta noveboracensis</i>)	Red spruce (<i>Picea rubens</i>); Eastern white pine (<i>Pinus strobus</i>)	Balsam fir (<i>Abies balsamea</i>)	Sloped coniferous forest. Bryophyte and needle covered ground, trace herbaceous layer	WC13
WL43	Shrub swamp	1,388.81	Flat	Isolated	A2: Histic epiedon	High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Common woolly bulrush (<i>Scirpus cyperinus</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Sheep laurel (<i>Kalmia angustifolia</i>)	Red maple (<i>Acer rubrum</i>); Gray birch (<i>Betula populifolia</i>); Red spruce (<i>Picea rubens</i>)	Yellow birch (<i>Betula alleghaniensis</i>); Red spruce (<i>Picea rubens</i>); Eastern white pine (<i>Pinus strobus</i>)	Regenerating mixedwood forest	N/A
WL44	Shrub swamp	379.87	Basin	Isolated	A2: Histic epiedon	High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Bunchberry (<i>Cornus canadensis</i>); Common woolly bulrush (<i>Scirpus cyperinus</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Aster sp.	Red maple (<i>Acer rubrum</i>); Yellow birch (<i>Betula alleghaniensis</i>); Trembling aspen (<i>Populus tremuloides</i>); Red spruce (<i>Picea rubens</i>)	Red spruce (<i>Picea rubens</i>); White pine (<i>Pinus strobus</i>)	Sloped regenerating Deciduous forest. Harvested within 20 years	N/A
WL45	Shrub swamp	2,434.91	Basin	Isolated	A2: Histic epiedon	High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	Common woolly bulrush (<i>Scirpus cyperinus</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>); Creeping snowberry (<i>Gaultheria hispida</i>)	Trembling aspen (<i>Populus tremuloides</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>); Gray birch (<i>Betula populifolia</i>)	NA (No trees at soil pit location)	Sloped regenerating coniferous forest. Harvested within 20 years	N/A
WL46	Treed swamp	2,495.95	Basin	Isolated	A2: Histic epiedon	High water table; Surface water; Saturation; Water stained leaves; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor	Low	New York fern (<i>Amauropelta noveboracensis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Three-seeded sedge (<i>Carex trisperma</i>); Red maple (<i>Acer rubrum</i>)	Yellow birch (<i>Betula alleghaniensis</i>); Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Red spruce (<i>Picea rubens</i>); Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>)	Steeply sloped coniferous forest. Conspicuous coniferous regen and ferns covering ground	N/A
WL47	Treed swamp	7156.09	Basin	Outflow	A2: Histic epiedon	High water table; Saturation; Sparsely vegetated concave surface; Drainage patterns; Hydrogen sulfide odor; Surface water	Low	Bunchberry (<i>Cornus canadensis</i>); Three-seeded sedge (<i>Carex trisperma</i>); New York fern (<i>Amauropelta noveboracensis</i>); Goldthread (<i>Coptis trifolia</i>); Balsam fir (<i>Abies balsamea</i>)	Red spruce (<i>Picea rubens</i>)	Black spruce (<i>Picea mariana</i>); Yellow birch (<i>Betula alleghaniensis</i>); Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>)	Sloped coniferous forest. Scattered deciduous trees	N/A
WL48	Treed swamp	375.78	Basin	Isolated	A1: Histisol	High water table; Saturation	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Bunchberry (<i>Cornus canadensis</i>); Red maple (<i>Acer rubrum</i>); Northern starflower (<i>Lysimachia ciliata</i>); Three-seeded sedge (<i>Carex trisperma</i>); Black spruce (<i>Picea mariana</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>); Speckled alder (<i>Alnus incana</i>); Common winterberry (<i>Ilex verticillata</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>); Balsam fir (<i>Abies balsamea</i>)	Coniferous forest	N/A
WL49	Shrub swamp	686.25	Basin	Throughflow	A1: Histisol	High water table; Saturation; Hydrogen sulfide odor	Low	Balsam fir (<i>Abies balsamea</i>); Three-seeded sedge (<i>Carex trisperma</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Common winterberry (<i>Ilex verticillata</i>); Black spruce (<i>Picea mariana</i>)	Speckled alder (<i>Alnus incana</i>); Gray birch (<i>Betula populifolia</i>); Common winterberry (<i>Ilex verticillata</i>); Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Gray birch (<i>Betula populifolia</i>)	Sloped, rocky, coniferous forest	WC22
WL50	Fen	832.69	Basin	Throughflow	A1: Histisol	Saturation; Sparsely concave surface; Hydrogen sulfide odor	High	Northern beaked sedge (<i>Carex utriculata</i>); Sweet gale (<i>Myrica gale</i>); Common tall manna grass (<i>Glyceria grandis</i>)	Northern wild raisin (<i>Viburnum cassinoides</i>); Red maple (<i>Acer rubrum</i>)	Red maple (<i>Acer rubrum</i>)	Coniferous forest	WC23
WL51	Fen	9155.37	Basin	Throughflow	A1: Histisol	Surface water; High water table; Saturation	Low	Fringed sedge (<i>Carex crinita</i>); Steeplebush (<i>Spiraea tomentosa</i>); Carex sp.	Speckled alder (<i>Alnus incana</i>); Sweet gale (<i>Myrica gale</i>)	NA (<i>Alnus incana</i> only, none large enough to be tree)	Mature sloped Red spruce forest. Minimal herbaceous layer, uneven terrain from moss covered boulders	WC25
WL52	Treed swamp	990.6	Slope	Isolated	A1: Histisol	Saturation; High water table	Low	Convulsion-root (<i>Monotropa uniflora</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Two-seeded sedge (<i>Carex disperma</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Bunchberry (<i>Cornus canadensis</i>); Balsam fir (<i>Abies balsamea</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Red spruce (<i>Picea rubens</i>); Balsam fir (<i>Abies balsamea</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>)	Sloped mature coniferous forest. Sparse shrub and herbaceous layer	N/A
WL53	Treed swamp	6276.99	Basin	Isolated	A1: Histisol	Saturation; Surface soil cracks	Low	Graminoid sp.; Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Red spruce (<i>Picea rubens</i>); Balsam fir (<i>Abies balsamea</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>); Yellow birch (<i>Betula Alleghaniensis</i>); Balsam fir (<i>Abies balsamea</i>)	Mature SH3	N/A

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								HERBACEOUS	SHRUB	TREES		
WL54	Treed swamp	3067.1	Slope	Isolated	A1: Histisol	High water table; Saturation	Low	Crested wood fern (<i>Dryopteris cristata</i>); Canada manna grass (<i>Glyceria canadensis</i>); Two-seeded sedge (<i>Carex disperma</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Red maple (<i>Acer rubrum</i>); Bunchberry (<i>Cornus canadensis</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Round-leaved sundew (<i>Drosera rotundifolia</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>); Speckled alder (<i>Alnus incana</i>)	Red maple (<i>Acer rubrum</i>); American mountain ash (<i>Sorbus americana</i>); Black spruce (<i>Picea mariana</i>)	Dense coniferous forest. Sparse understory cover	N/A
WL55	Shrub swamp	2856.64	Slope	Isolated	A2: Histic epipedon	Surface water; High water table; Saturation	Low	Goldthread (<i>Coptis trifolia</i>); Red maple (<i>Acer rubrum</i>); Canada manna grass (<i>Glyceria canadensis</i>); Violet sp.; Fringed sedge (<i>Carex crinata</i>); Three-seeded sedge (<i>Carex trisperma</i>); American burreed (<i>Sparganium americanum</i>)	Balsam fir (<i>Abies balsamea</i>); Black spruce (<i>Abies mariana</i>); Red spruce (<i>Picea rubens</i>); Speckled alder (<i>Alnus incana</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Yellow birch (<i>Betula alleghaniensis</i>); Red spruce (<i>Picea rubens</i>); Black spruce (<i>Picea mariana</i>)	Sloped young coniferous forest. Old overgrown OHV trail nearby	N/A
WL56	Shrub swamp	11219.49	Slope	isolated	A1: Histisol	High water table; Saturation	Low	Round-leaved sundew (<i>Drosera rotundifolia</i>); Eastern teaberry (<i>Gaultheria procumbens</i>); Bog rosemary (<i>Andromeda polifolia</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Common labrador tea (<i>Rhododendron groenlandicum</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Northern wild raisin (<i>Viburnum cassinoides</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Northern wild raisin (<i>Viburnum cassinoides</i>); Black huckleberry (<i>Gaylussacia baccata</i>); Black spruce (<i>Picea mariana</i>); Mountain holly (<i>Ilex mucronata</i>); Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	PCT coniferous forest. Uniform dense canopy, sparse herbaceous cover	N/A
WL57	Treed swamp	1184.66	Slope	Isolated	A1: Histisol	Darriage patterns; High water table; Saturation	Low	Fringed sedge (<i>Carex crinita</i>); Canada manna grass (<i>Glyceria canadensis</i>); Bunchberry (<i>Cornus canadensis</i>); Two-seeded sedge (<i>Carex disperma</i>); Wild sarsaparilla (<i>Aralia nudicaulis</i>); Crested wood fern (<i>Dryopteris cristata</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>)	Red maple (<i>Acer rubrum</i>); Yellow birch (<i>Betula alleghaniensis</i>); Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>)	Sloped mature coniferous forest. Steep, moss covered boulder hill slope. Sparse herbaceous layer	N/A
WL58	Treed swamp	569.88	Slope	Isolated	A2: Histic epipedon	Saturation; High water table	Low	Round-leaved sundew (<i>Drosera rotundifolia</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Three-seeded sedge (<i>Carex trisperma</i>); Crested wood fern (<i>Dryopteris cristata</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>); Black spruce (<i>Picea mariana</i>)	Sloped, mature coniferous forest. Moss covered boulders, sparse shrub and herbaceous layer	N/A
WL59	Treed swamp	628.9	Basin	Isolated	A2: Histic epipedon	Surface water; Drainage patterns; Sparsely vegetated concave surface	Low	Bunchberry (<i>Cornus canadensis</i>); Bristly dewberry (<i>Rubus hispida</i>); Soft rush (<i>Juncus effusus</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>)	Coniferous forest	N/A
WL60	Bog	1500.04	Basin	Isolated	A1: Histisol	Saturation; Sparsely vegetated concave surface	Low	Small cranberry (<i>Vaccinium oxycoccos</i>); Tawny cottongrass (<i>Eriophorum virginicum</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Black spruce (<i>Picea mariana</i>); Tamarack (<i>Larix laricina</i>); Red maple (<i>Acer rubrum</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Coniferous forest	N/A
WL61	Treed swamp	2088.1	Basin	Isolated	A1: Histisol	High water table; Saturation; Hydrogen sulfide odor	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Eastern marsh fern (<i>Thelypteris palustris</i>)	Mountain holly (<i>Ilex mucronata</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>)	Mixed age SH5	N/A
WL62	Treed swamp	1239.2	Floodplain	Throughflow	A1: Histisol	Surface water; High water table; Saturation; Hydrogen sulfide odor	High	New york fern (<i>Amauropelta noveboracensis</i>); Evergreen wood fern (<i>Dryopteris intermedia</i>); Common wood sorrel (<i>Oxalis montana</i>); Northern starflower (<i>Lysimachia borealis</i>)	Balsam fir (<i>Abies balsamea</i>); Yellow birch (<i>Betula alleghaniensis</i>)	Red maple (<i>Acer rubrum</i>); Yellow birch (<i>Betula alleghaniensis</i>); Red spruce (<i>Picea rubens</i>)	Mature SH5	WC29
WL63	Bog	4881.17	Basin	Throughflow	A1: Histisol	Surface water; Saturation; Sparsely vegetated concave surface	Low	Leatherleaf (<i>Chamaedaphne calyculata</i>); Common labrador tea (<i>Rhododendron groenlandicum</i>); Sweet gale (<i>Myrica gale</i>); Star sedge (<i>Carex echinata</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Red maple (<i>Acer rubrum</i>)	Coniferous forest	N/A
WL64	Treed swamp	247.05	Basin	Isolated	A1: Histisol	Saturation; Sediment deposits	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Crested wood fern (<i>Dryopteris cristata</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>); Balsam fir (<i>Abies balsamea</i>)	Coniferous forest	N/A
WL65	Bog	219.88	Basin	Isolated	A1: Histisol	Surface water; Saturation; Sparsely vegetated concave surface; Hydrogen sulfide odor	Low	Canada rush (<i>Juncus canadensis</i>); Bunchberry (<i>Cornus canadensis</i>); Creeping snowberry (<i>Gaultheria hispida</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Tamarack (<i>Larix laricina</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Coniferous forest	N/A

WETLAND ID	WETLAND TYPE	AREA (m ²)	LANDFORM	DIRECTION OF FLOW	SOIL TYPE	SURFACE/ HYDROLOGIC CONDITIONS	FISH-BEARING POTENTIAL	DOMINANT VEGETATION			UPLAND HABITAT	ASSOCIATED WATERCOURSE
								HERBACEOUS	SHRUB	TREES		
WL66	Treed swamp	3411.12	Floodplain	Throughflow	A1: Histisol	Surface water; High water table; Saturation; Drainage patterns; Sparsely vegetated concave surface	High	Fowl manna grass (<i>Glyceria striata</i>); New York fern (<i>Amauropelta noveboracensis</i>); Bunchberry (<i>Cornus canadensis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Whorled wood aster (<i>Oclemena acuminata</i>); Goldthread (<i>Coptis trifolia</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Yellow birch (<i>Betula alleghaniensis</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Mature SH5	WC30
WL67	Treed swamp	632.74	Flat	Isolated	A1: Histisol	Saturation	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Three-seeded sedge (<i>Carex trisperma</i>); Sheep laurel (<i>Kalmia angustifolia</i>); Red spruce (<i>Picea rubens</i>); Twinflower (<i>Linnæa borealis</i>)	NA (All possible shrub species are too short, in herbaceous layer)	Red spruce (<i>Picea rubens</i>); Black spruce (<i>Picea mariana</i>)	SH5, abundant moss covered boulders present	N/A
WL68	Treed swamp	483.3	Basin	Isolated	A1: Histisol	Saturation; Drainage patterns	Low	Three-seeded sedge (<i>Carex trisperma</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Balsam fir (<i>Abies balsamea</i>)	Black spruce (<i>Picea mariana</i>)	Young evenaged coniferous forest	N/A
WL69	Treed swamp	313.71	Basin	Isolated	A1: Histisol	Saturation; High water table	Low	Three-seeded sedge (<i>Carex trisperma</i>)	Balsam fir (<i>Abies balsamea</i>); Speckled alder (<i>Alnus incana</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea rubens</i>); Black spruce (<i>Picea mariana</i>)	Sloped coniferous forest. Uneven boulder terrain, abundant windfall	N/A
WL70	Treed swamp	1139.2	Basin	Isolated	A1: Histisol	High water table; Saturation; Hydrogen sulfide odor	Low	Three-seeded sedge (<i>Carex trisperma</i>); Wild sarsaparilla (<i>Aralia nudicaulis</i>); Common wood sorrel (<i>Oxalis montana</i>)	Balsam fir (<i>Abies balsamea</i>); Yellow birch (<i>Betula alleghaniensis</i>); Mountain holly (<i>Ilex mucronata</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Young mixedwood forest. Sloped, rocky terrain	N/A
WL71	Treed swamp	2252.46	Basin	Isolated	A1: Histisol	High water table; Saturation	Low	Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Whorled wood aster (<i>Oclemena acuminata</i>)	Black spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>); Mountain holly (<i>Ilex mucronata</i>); Yellow birch (<i>Betula alleghaniensis</i>)	Black spruce (<i>Picea mariana</i>); Red spruce (<i>Picea rubens</i>); Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Regenerating mixedwood forest. Thin upland soil	N/A
WL72	Treed swamp	395.44	Basin	Isolated	A1: Histisol	Saturation; Water stained leaves; Drainage patterns	Low	New York fern (<i>Amauropelta noveboracensis</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>)	Red maple (<i>Acer rubrum</i>); Balsam fir (<i>Abies balsamea</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>); Balsam fir (<i>Abies balsamea</i>)	Coniferous forest	N/A
WL73	Shrub swamp	313.04	Basin	Isolated	A1: Histisol	Saturation; Sediment deposits; Water stained leaves	Low	Crested wood fern (<i>Dryopteris cristata</i>); Spinulose wood fern (<i>Dryopteris carthusiana</i>); Late lowbush blueberry (<i>Vaccinium angustifolium</i>)	Balsam fir (<i>Abies balsamea</i>); Speckled alder (<i>Alnus incana</i>); Red maple (<i>Acer rubrum</i>)	Balsam fir (<i>Abies balsamea</i>); Gray birch (<i>Betula populifolia</i>); Paper birch (<i>Betula papyrifera</i>)	Sloped coniferous forest. Abundant boulders	N/A
WL74	Treed swamp	2401.42	Basin	Isolated	A1: Histisol	Saturation; High water table	Low	Bunchberry (<i>Cornus canadensis</i>); Creeping snowberry (<i>Gaultheria hispidula</i>); Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Balsam fir (<i>Abies balsamea</i>); Carex sp.; Sheep laurel (<i>Kalmia angustifolia</i>)	Black spruce (<i>Picea rubens</i>)	Balsam fir (<i>Abies balsamea</i>); Red spruce (<i>Picea mariana</i>); Red maple (<i>Acer rubrum</i>)	Sloped SH5. Abundant moss covered boulders	N/A
WL75	Treed swamp	1614.88	Basin	Isolated	A1: Histisol	High water table; Saturation; Hydrogen sulfide odor	Low	Common Labrador tea (<i>Rhododendron groenlandicum</i>); Three-seeded sedge (<i>Carex trisperma</i>); Wild sarsaparilla (<i>Aralia nudicaulis</i>); Rubus sp.; Bunchberry (<i>Cornus canadensis</i>); Red maple (<i>Acer rubrum</i>); Cotton grass sp.; Cinnamon fern (<i>Osmundastrum cinnamomeum</i>); Balsam fir (<i>Abies balsamea</i>)	Balsam fir (<i>Abies balsamea</i>); Speckled alder (<i>Alnus incana</i>); Mountain holly (<i>Ilex mucronata</i>); Red maple (<i>Acer rubrum</i>)	Balsam fir (<i>Abies balsamea</i>); Red maple (<i>Acer rubrum</i>); Yellow birch (<i>Betula alleghaniensis</i>); Red spruce (<i>Picea rubens</i>); Black spruce (<i>Picea mariana</i>)	Mature coniferous forest. Abundant moss covered boulders	N/A
WL76	Shrub swamp	2334.62	Fringe	Isolated	A2: Histic epiedon	Saturation; Surface water; Hydrogen sulfide odor	Low	Common woolly bulrush (<i>Scirpus cyperinus</i>); Broad-leaved cattail (<i>Typha latifolia</i>); Speckled alder (<i>Alnus incana</i>)	Yellow birch (<i>Betula alleghaniensis</i>)	Red maple (<i>Acer rubrum</i>)	Young coniferous forest. Abundant moss covered boulders	N/A
WL77	Treed swamp; Shrub swamp	3503.58	Basin	Isolated	A1: Histisol	High water table; Saturation	Low	Interrupted fern (<i>Claytosmunda claytoniana</i>); New York fern (<i>Amauropelta noveboracensis</i>); Three-seeded sedge (<i>Carex trisperma</i>); Wild sarsaparilla (<i>Aralia nudicaulis</i>)	Mountain holly (<i>Ilex mucronata</i>); Red spruce (<i>Picea rubens</i>); Balsam fir (<i>Abies balsamea</i>); Speckled alder (<i>Alnus incana</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>); Yellow birch (<i>Betula alleghaniensis</i>); Balsam fir (<i>Abies balsamea</i>); Black spruce (<i>Picea mariana</i>)	Mature coniferous forest. Steep, moss covered boulder terrain. Abundant windfall	N/A
WL78	Treed swamp	3837.39	Fringe	Throughflow	A1: Histisol	High water table; Saturation	High	Bristly dewberry (<i>Rubus hispidus</i>); Northern long sedge (<i>Carex folliculata</i>); Three-seeded sedge (<i>Carex trisperma</i>); Interrupted fern (<i>Claytosmunda claytoniana</i>)	Balsam fir (<i>Abies balsamea</i>); Yellow birch (<i>Betula alleghaniensis</i>); Red maple (<i>Acer rubrum</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	Sloped coniferous forest. Adjacent to road	WC31
WL79	Treed swamp; Shrub swamp	15098.98	Basin	Isolated	A1: Histisol	Saturation; Surface water; Drainage patterns; Hydrogen sulfide odor	Low	Bebb's willow (<i>Salix bebbiana</i>); Crested wood fern (<i>Dryopteris cristata</i>); Common woolly bulrush (<i>Scirpus cyperinus</i>); Broad-leaved cattail (<i>Typha latifolia</i>); Wild strawberry (<i>Fragaria virginiana</i>)	Red maple (<i>Acer rubrum</i>); Red spruce (<i>Picea rubens</i>)	NA (Heavy shrub conditions)	Recent clearcut. Minimal shrub regen present	N/A
WL80	Treed swamp	4241.79	Slope	Throughflow	A1: Histisol	Surface water; High water table; Saturation	High	Carex sp.; Northern starflower (<i>Lysimachia borealis</i>)	Black spruce (<i>Picea mariana</i>); Balsam fir (<i>Abies balsamea</i>); Mountain holly (<i>Ilex mucronata</i>)	Red maple (<i>Acer rubrum</i>); Black spruce (<i>Picea mariana</i>); Balsam fir (<i>Abies balsamea</i>)	Mature, sloped SH5	N/A



Photo 1: Representative photo of WL1.



Photo 2: Representative photo of WL2.



Photo 3: Representative photo of WL3.



Photo 4: Representative photo of WL4.



Photo 5: Representative photo of WL5.



Photo 6: Representative photo of WL6.



Photo 7: Representative photo of WL7.



Photo 8: Representative photo of WL8.



Photo 9: Representative photo of WL9.

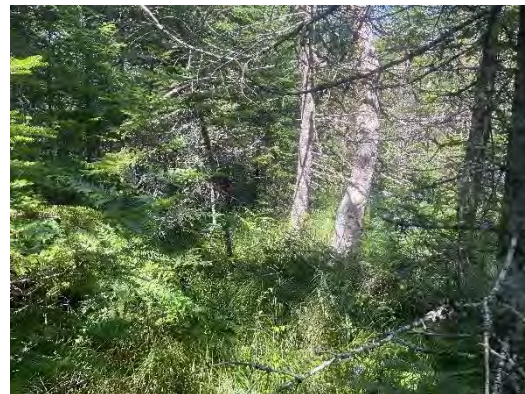


Photo 10: Representative photo of WL10.



Photo 11: Representative photo of WL11.



Photo 12: Representative photo of WL12.



Photo 13: Representative photo of WL13.



Photo 14: Representative photo of WL14.



Photo 15: Representative photo of WL15.



Photo 16: Representative photo of WL16.



Photo 17: Representative photo of WL17.



Photo 18: Representative photo of WL18.



Photo 19: Representative photo of WL19.



Photo 20: Representative photo of WL20.



Photo 21: Representative photo of WL21.



Photo 22: Representative photo of WL22.



Photo 23: Representative photo of WL23.



Photo 24: Representative photo of WL24.



Photo 25: Representative photo of WL25.



Photo 26: Representative photo of WL26.



Photo 27: Representative photo of WL27.



Photo 28: Representative photo of WL28.



Photo 29: Representative photo of WL29.



Photo 30: Representative photo of WL30.



Photo 31: Representative photo of WL31.



Photo 32: Representative photo of WL32.



Photo 33: Representative photo of WL33.



Photo 34: Representative photo of WL34.



Photo 35: Representative photo of WL35.



Photo 36: Representative photo of WL36.



Photo 37: Representative photo of WL37.



Photo 38: Representative photo of WL38.



Photo 39: Representative photo of WL39.



Photo 40: Representative photo of WL40.



Photo 41: Representative photo of WL41.



Photo 42: Representative photo of WL42.



Photo 43: Representative photo of WL43.



Photo 44: Representative photo of WL44.



Photo 45: Representative photo of WL45.



Photo 46: Representative photo of WL46



Photo 47: Representative photo of WL47.



Photo 48: Representative photo of WL48.



Photo 49: Representative photo of WL49.



Photo 50: Representative photo of WL50.



Photo 51: Representative photo of WL51.



Photo 52: Representative photo of WL52.



Photo 53: Representative photo of WL53.



Photo 54: Representative photo of WL54.



Photo 55: Representative photo of WL55.



Photo 56: Representative photo of WL56.



Photo 57: Representative photo of WL57.



Photo 58: Representative photo of WL58.



Photo 59: Representative photo of WL59.



Photo 60: Representative photo of WL60.



Photo 61: Representative photo of WL61.



Photo 62: Representative photo of WL62.



Photo 63: Representative photo of WL63.



Photo 64: Representative photo of WL64.



Photo 65: Representative photo of WL65.



Photo 66: Representative photo of WL66.



Photo 67: Representative photo of WL67.



Photo 68: Representative photo of WL68.



Photo 69: Representative photo of WL69.



Photo 70: Representative photo of WL70.



Photo 71: Representative photo of WL71.



Photo 72: Representative photo of WL72.



Photo 73: Representative photo of WL73.



Photo 74: Representative photo of WL74.



Photo 75: Representative photo of WL75.



Photo 76: Representative photo of WL76.



Photo 77: Representative photo of WL77.



Photo 78: Representative photo of WL78.



Photo 79: Representative photo of WL79.



Photo 80: Representative photo of WL80.

Assessment Area (AA) Results:

Wetland ID: WL1

Date: November 4, 2024

Observer: Leah Riehl

Latitude & Longitude (decimal degrees): 44.88662916, -63.87925305

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.65	Higher	8.23	Higher	8.40	3.65
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	3.31	Lower	2.72	Moderate	4.78	1.33
Phosphorus Retention (PR)	1.79	Lower	1.93	Moderate	4.87	1.50
Nitrate Removal & Retention (NR)	10.00	Higher	5.00	Moderate	10.00	5.00
Carbon Sequestration (CS)	5.81	Moderate			7.95	
Organic Nutrient Export (OE)	7.56	Higher			4.94	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.38	Moderate	0.92	Lower	5.69	1.74
Amphibian & Turtle Habitat (AM)	3.13	Lower	1.16	Lower	4.76	2.72
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.50	Moderate	2.50	Lower	5.66	2.50
Pollinator Habitat (POL)	7.00	Moderate	0.00	Lower	5.80	0.00
Native Plant Habitat (PH)	4.58	Moderate	3.82	Lower	5.73	3.82
Public Use & Recognition (PU)			1.94	Moderate		1.63
Wetland Sensitivity (Sens)			10.00	Higher		5.09
Wetland Ecological Condition (EC)			5.36	Moderate		7.78
Wetland Stressors (STR) (higher score means more stress)			5.36	Moderate		2.76
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.65	Higher	8.23	Higher	8.40	3.65
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.61	Higher	4.11	Moderate	8.45	3.81
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.40	Moderate	0.61	Lower	4.17	1.16
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.88	Lower	0.70	Lower	2.86	1.63
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.51	Moderate	2.96	Lower	5.77	2.96
WETLAND CONDITION (EC)			5.36	Moderate		7.78
WETLAND RISK (average of Sensitivity & Stressors)			7.68	Higher		3.92

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	71.19825027	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	31.28307825	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.29757016	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.309934091	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	19.30728465	Low

Habitat Rule Satisfied? NO
 Support Rule Satisfied? NO
 Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: Site is not a WSS

Assessment Area (AA) Results:

Wetland ID: WL2

Date: 07/30/2024

Observer: Leah Riehl

Latitude & Longitude (decimal degrees): 44.88623, -63.88059821

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	5.60	Moderate	3.95	Moderate	6.13	1.75
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	8.15	Higher	0.00	Lower	5.43	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	0.91	Lower	10.00	0.44
Phosphorus Retention (PR)	10.00	Higher	0.86	Lower	10.00	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	3.46	Moderate			6.83	
Organic Nutrient Export (OE)	7.37	Moderate			4.82	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	4.52	Moderate	3.65	Moderate	5.34	3.21
Amphibian & Turtle Habitat (AM)	4.10	Moderate	3.56	Moderate	5.27	4.69
Waterbird Feeding Habitat (WBF)	4.90	Moderate	2.50	Lower	3.73	2.50
Waterbird Nesting Habitat (WBN)	3.31	Moderate	2.50	Moderate	2.40	2.50
Songbird, Raptor, & Mammal Habitat (SBM)	9.01	Higher	2.50	Lower	7.84	2.50
Pollinator Habitat (POL)	8.76	Higher	0.00	Lower	7.26	0.00
Native Plant Habitat (PH)	4.41	Moderate	5.03	Lower	5.66	5.03
Public Use & Recognition (PU)			1.76	Moderate		1.51
Wetland Sensitivity (Sens)			9.74	Higher		4.95
Wetland Ecological Condition (EC)			2.46	Lower		6.39
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.60	Moderate	3.95	Moderate	6.13	1.75
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.18	Higher	1.96	Lower	9.60	1.85
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.58	Higher	2.43	Lower	4.67	2.14
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.68	Moderate	2.63	Moderate	3.78	3.31
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.20	Higher	3.77	Lower	7.38	3.77
WETLAND CONDITION (EC)			2.46	Lower		6.39
WETLAND RISK (average of Sensitivity & Stressors)			7.08	Higher		3.63

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	22.12077467	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	18.00473922	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	16.00170862	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	9.699792225	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	30.92626477	Low

Habitat Rule Satisfied? NO
 Support Rule Satisfied? NO
 Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: **Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL3

Date: November 4, 2024

Observer: Renee MacQuarrie

Latitude & Longitude (decimal degrees): 44.88606319, -63.88381401

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.68	Higher	3.97	Moderate	8.42	1.76
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	5.02	Moderate	1.36	Moderate	6.11	0.67
Phosphorus Retention (PR)	1.75	Lower	1.29	Moderate	4.84	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	7.49	Higher			8.74	
Organic Nutrient Export (OE)	10.00	Higher			6.91	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.08	Higher	1.02	Lower	6.38	1.79
Amphibian & Turtle Habitat (AM)	3.32	Lower	1.26	Lower	4.86	2.80
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.78	Moderate	2.50	Lower	5.90	2.50
Pollinator Habitat (POL)	8.67	Higher	0.00	Lower	7.19	0.00
Native Plant Habitat (PH)	3.71	Moderate	4.36	Lower	5.38	4.36
Public Use & Recognition (PU)			0.32	Lower		0.52
Wetland Sensitivity (Sens)			10.00	Higher		5.41
Wetland Ecological Condition (EC)			8.26	Higher		9.17
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.68	Higher	3.97	Moderate	8.42	1.76
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.03	Higher	2.66	Lower	8.71	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.14	Higher	0.68	Lower	5.12	1.20
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.99	Lower	0.76	Lower	2.92	1.68
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.53	Higher	3.33	Lower	6.67	3.33
WETLAND CONDITION (EC)			8.26	Higher		9.17
WETLAND RISK (average of Sensitivity & Stressors)			7.17	Higher		3.84

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	34.46560871	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.39153401	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.860582859	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.506137868	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	25.03878886	Low

Habitat Rule Satisfied? NO
 Support Rule Satisfied? NO
 Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: **Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL4

Date: November 4, 2024

Observer: Renee MacQuarrie

Latitude & Longitude (decimal degrees): 44.88599178, -63.88293792

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	8.93	Higher	3.97	Moderate	8.61	1.76
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	5.02	Moderate	1.36	Moderate	6.11	0.67
Phosphorus Retention (PR)	2.29	Lower	1.29	Moderate	5.18	1.00
Nitrate Removal & Retention (NR)	10.00	Higher	3.33	Lower	10.00	3.33
Carbon Sequestration (CS)	7.49	Higher			8.74	
Organic Nutrient Export (OE)	10.00	Higher			6.84	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	5.38	Moderate	1.05	Lower	5.69	1.81
Amphibian & Turtle Habitat (AM)	3.32	Lower	1.30	Lower	4.86	2.83
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.89	Moderate	2.50	Lower	6.00	2.50
Pollinator Habitat (POL)	8.00	Higher	0.00	Lower	6.63	0.00
Native Plant Habitat (PH)	4.09	Moderate	4.21	Lower	5.53	4.21
Public Use & Recognition (PU)			0.32	Lower		0.52
Wetland Sensitivity (Sens)			10.00	Higher		5.21
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.34	Moderate		2.27
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	8.93	Higher	3.97	Moderate	8.61	1.76
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.10	Higher	2.66	Lower	8.75	2.50
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.92	Higher	0.70	Lower	4.99	1.21
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.99	Lower	0.78	Lower	2.92	1.70
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	7.16	Higher	3.22	Lower	6.34	3.22
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.17	Higher		3.74

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	35.46341145	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.56897112	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	4.847981971	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.550864084	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	23.08251177	Low

Habitat Rule Satisfied? NO

Support Rule Satisfied? NO

Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: Site is not a WSS

Assessment Area (AA) Results:

Wetland ID: WL5

Date: 07/29/2024

Observer: Renee MacQuarrie

Latitude & Longitude (decimal degrees): 44.88546142, -63.87784985

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	0.93	Lower	8.15	Higher	2.64	3.61
Stream Flow Support (SFS)	1.76	Moderate	7.69	Moderate	1.42	5.12
Water Cooling (WC)	5.42	Higher	3.33	Moderate	3.61	1.80
Sediment Retention & Stabilisation (SR)	0.55	Lower	2.74	Moderate	2.63	1.34
Phosphorus Retention (PR)	1.05	Lower	2.23	Moderate	4.40	1.74
Nitrate Removal & Retention (NR)	1.98	Lower	4.33	Moderate	4.21	4.33
Carbon Sequestration (CS)	2.97	Lower			6.60	
Organic Nutrient Export (OE)	8.73	Higher			5.71	
Anadromous Fish Habitat (FA)	3.91	Higher	4.30	Moderate	2.56	2.73
Resident Fish Habitat (FR)	3.84	Moderate	4.37	Moderate	2.09	2.73
Aquatic Invertebrate Habitat (INV)	4.22	Moderate	6.49	Higher	5.21	4.74
Amphibian & Turtle Habitat (AM)	5.05	Moderate	4.65	Moderate	5.77	5.59
Waterbird Feeding Habitat (WBF)	7.41	Higher	3.33	Moderate	5.64	3.33
Waterbird Nesting Habitat (WBN)	6.33	Moderate	3.33	Moderate	4.59	3.33
Songbird, Raptor, & Mammal Habitat (SBM)	8.96	Higher	3.33	Moderate	7.80	3.33
Pollinator Habitat (POL)	7.82	Moderate	3.33	Moderate	6.48	3.33
Native Plant Habitat (PH)	4.42	Moderate	5.87	Moderate	5.67	5.87
Public Use & Recognition (PU)			0.58	Lower		0.69
Wetland Sensitivity (Sens)			5.75	Moderate		3.81
Wetland Ecological Condition (EC)			6.52	Higher		8.33
Wetland Stressors (STR) (higher score means more stress)			10.00	Higher		5.06
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	0.93	Lower	8.15	Higher	2.64	3.61
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	2.30	Lower	3.72	Moderate	5.53	3.40
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	6.88	Higher	6.76	Moderate	4.85	4.50
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	6.36	Higher	4.32	Moderate	4.95	4.57
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.01	Higher	5.02	Lower	7.22	5.02
WETLAND CONDITION (EC)			6.52	Higher		8.33
WETLAND RISK (average of Sensitivity & Stressors)			7.87	Higher		4.43

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	7.57642996	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	8.5678759	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	46.55656385	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	27.47162885	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	40.24699646	Low

Habitat Rule Satisfied? NO

Support Rule Satisfied? NO

Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: Site is not a WSS

Assessment Area (AA) Results:

Wetland ID: WL6

Date: November 4, 2024

Observer: EM

Latitude & Longitude (decimal degrees): 44.8839319, -63.87824105

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	5.97	Moderate	8.40	Higher	6.40	3.73
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	2.40	Moderate	0.00	Lower	1.60	0.00
Sediment Retention & Stabilisation (SR)	10.00	Higher	2.51	Moderate	10.00	1.23
Phosphorus Retention (PR)	10.00	Higher	2.23	Moderate	10.00	1.74
Nitrate Removal & Retention (NR)	10.00	Higher	4.33	Moderate	10.00	4.33
Carbon Sequestration (CS)	3.18	Lower			6.70	
Organic Nutrient Export (OE)	5.69	Moderate			3.72	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	0.00	Lower	3.09	Moderate	3.04	2.91
Amphibian & Turtle Habitat (AM)	3.14	Lower	4.74	Moderate	4.77	5.67
Waterbird Feeding Habitat (WBF)	5.24	Moderate	6.67	Moderate	3.99	6.67
Waterbird Nesting Habitat (WBN)	3.24	Moderate	6.67	Higher	2.35	6.67
Songbird, Raptor, & Mammal Habitat (SBM)	7.29	Moderate	6.67	Moderate	6.34	6.67
Pollinator Habitat (POL)	9.61	Higher	6.67	Moderate	7.96	6.67
Native Plant Habitat (PH)	3.18	Lower	6.99	Moderate	5.17	6.99
Public Use & Recognition (PU)			4.34	Moderate		3.27
Wetland Sensitivity (Sens)			10.00	Higher		5.04
Wetland Ecological Condition (EC)			3.62	Lower		6.94
Wetland Stressors (STR) (higher score means more stress)			7.74	Higher		3.90
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.97	Moderate	8.40	Higher	6.40	3.73
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	9.15	Higher	3.68	Moderate	9.59	3.38
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	3.86	Moderate	2.06	Lower	2.90	1.94
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	3.78	Moderate	5.14	Higher	3.50	5.23
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	8.15	Higher	6.88	Moderate	7.23	6.88
WETLAND CONDITION (EC)			3.62	Lower		6.94
WETLAND RISK (average of Sensitivity & Stressors)			8.87	Higher		4.47

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	50.16958652	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	33.65949066	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	7.944184592	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	19.4335951	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	56.07489411	Low

Habitat Rule Satisfied? NO
 Support Rule Satisfied? NO
 Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: **Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL7

Date: November 4, 2024

Observer: Mercy Fiamavle

Latitude & Longitude (decimal degrees): 44.88180718, -63.87017896

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	9.35	Higher	8.33	Higher	8.92	3.69
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.44	Moderate	1.59	Moderate	7.22	0.78
Phosphorus Retention (PR)	2.48	Lower	1.50	Moderate	5.30	1.17
Nitrate Removal & Retention (NR)	10.00	Higher	2.50	Lower	10.00	2.50
Carbon Sequestration (CS)	6.08	Moderate			8.07	
Organic Nutrient Export (OE)	10.00	Higher			6.56	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	7.93	Higher	1.06	Lower	6.73	1.82
Amphibian & Turtle Habitat (AM)	3.45	Lower	1.29	Lower	4.93	2.82
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.86	Moderate	2.50	Lower	5.97	2.50
Pollinator Habitat (POL)	6.59	Moderate	0.00	Lower	5.46	0.00
Native Plant Habitat (PH)	1.64	Lower	3.81	Lower	4.56	3.81
Public Use & Recognition (PU)			1.76	Moderate		1.51
Wetland Sensitivity (Sens)			10.00	Higher		5.29
Wetland Ecological Condition (EC)			0.00	Lower		4.17
Wetland Stressors (STR) (higher score means more stress)			4.77	Moderate		2.48
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	9.35	Higher	8.33	Higher	8.92	3.69
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.13	Higher	2.18	Lower	8.82	1.99
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.24	Higher	0.71	Lower	5.03	1.21
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.07	Lower	0.77	Lower	2.96	1.69
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.94	Moderate	2.96	Lower	5.65	2.96
WETLAND CONDITION (EC)			0.00	Lower		4.17
WETLAND RISK (average of Sensitivity & Stressors)			7.38	Higher		3.88

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	77.8916427	High
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	17.72380892	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.132593927	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.598013303	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	17.57968833	Low

Habitat Rule Satisfied? NO
 Support Rule Satisfied? NO
 Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: Site is not a WSS

Assessment Area (AA) Results:

Wetland ID: WL8

Date: November 11, 2024

Observer: Christina Daffre

Latitude & Longitude (decimal degrees): 44.88125925, -63.87048046

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	5.83	Moderate	4.20	Moderate	6.30	1.86
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	1.46	Lower	0.91	Lower	3.33	0.44
Phosphorus Retention (PR)	1.21	Lower	0.86	Lower	4.50	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	4.17	Moderate	10.00	4.17
Carbon Sequestration (CS)	3.36	Moderate			6.79	
Organic Nutrient Export (OE)	7.41	Moderate			4.84	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.20	Higher	0.96	Lower	6.02	1.76
Amphibian & Turtle Habitat (AM)	3.13	Lower	1.23	Lower	4.77	2.77
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.68	Moderate	2.50	Lower	5.82	2.50
Pollinator Habitat (POL)	6.84	Moderate	0.00	Lower	5.67	0.00
Native Plant Habitat (PH)	3.50	Lower	3.83	Lower	5.30	3.83
Public Use & Recognition (PU)			1.76	Moderate		1.51
Wetland Sensitivity (Sens)			10.00	Higher		6.00
Wetland Ecological Condition (EC)			4.78	Moderate		7.50
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	5.83	Moderate	4.20	Moderate	6.30	1.86
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	7.00	Higher	3.07	Lower	8.08	2.96
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	5.41	Moderate	0.64	Lower	4.37	1.18
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	1.88	Lower	0.74	Lower	2.86	1.66
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	6.26	Moderate	2.97	Lower	5.70	2.97
WETLAND CONDITION (EC)			4.78	Moderate		7.50
WETLAND RISK (average of Sensitivity & Stressors)			7.21	Higher		4.16

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

NOVA SCOTIA - Functional WSS Interpretation Tool

Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	24.50582007	Low
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	21.51407743	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	3.477367731	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.382945667	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	18.56854094	Low

Habitat Rule Satisfied? NO
 Support Rule Satisfied? NO
 Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: **Site is not a WSS**

Assessment Area (AA) Results:

Wetland ID: WL9

Date: November 4, 2024

Observer: Mercy Fiamavle

Latitude & Longitude (decimal degrees): 44.88125925, -63.87048046

Scores will appear below after data are entered in worksheets OF, F, and S. See Manual for definitions and descriptions of how scores were computed.

Wetland Functions or Other Attributes:	Function Score (Normalised)	Function Rating	Benefits Score (Normalised)	Benefits Rating	Function Score (raw)	Benefits Score (raw)
Water Storage & Delay (WS)	9.10	Higher	4.20	Moderate	8.74	1.86
Stream Flow Support (SFS)	0.00	Lower	0.00	Lower	0.00	0.00
Water Cooling (WC)	0.00	Lower	0.00	Lower	0.00	0.00
Sediment Retention & Stabilisation (SR)	6.44	Moderate	0.91	Lower	7.22	0.44
Phosphorus Retention (PR)	1.95	Lower	0.86	Lower	4.97	0.67
Nitrate Removal & Retention (NR)	10.00	Higher	2.22	Lower	10.00	2.22
Carbon Sequestration (CS)	6.47	Higher			8.26	
Organic Nutrient Export (OE)	10.00	Higher			6.63	
Anadromous Fish Habitat (FA)	0.00	Lower	0.00	Lower	0.00	0.00
Resident Fish Habitat (FR)	0.00	Lower	0.00	Lower	0.00	0.00
Aquatic Invertebrate Habitat (INV)	6.32	Higher	1.09	Lower	6.07	1.83
Amphibian & Turtle Habitat (AM)	3.39	Lower	1.33	Lower	4.90	2.86
Waterbird Feeding Habitat (WBF)	0.00	Lower	0.00	Lower	0.00	0.00
Waterbird Nesting Habitat (WBN)	0.00	Lower	0.00	Lower	0.00	0.00
Songbird, Raptor, & Mammal Habitat (SBM)	6.98	Moderate	2.50	Lower	6.08	2.50
Pollinator Habitat (POL)	6.27	Moderate	0.00	Lower	5.19	0.00
Native Plant Habitat (PH)	0.78	Lower	3.76	Lower	4.21	3.76
Public Use & Recognition (PU)			1.76	Moderate		1.51
Wetland Sensitivity (Sens)			8.26	Higher		4.53
Wetland Ecological Condition (EC)			0.00	Lower		2.50
Wetland Stressors (STR) (higher score means more stress)			4.42	Moderate		2.31
Summary Ratings for Grouped Functions:						
HYDROLOGIC Group (WS)	9.10	Higher	4.20	Moderate	8.74	1.86
WATER QUALITY SUPPORT Group (max+avg/2 of SR, PR, NR, CS)	8.11	Higher	1.78	Lower	8.81	1.67
AQUATIC SUPPORT Group (max+avg/2 of SFS, INV, OE, WC)	7.04	Higher	0.72	Lower	4.90	1.22
AQUATIC HABITAT Group (max+avg/2 of FA, FR, AM, WBF, WBN)	2.03	Lower	0.80	Lower	2.94	1.72
TRANSITION HABITAT Group (max+avg/2 of SBM, PH, POL)	5.83	Moderate	2.92	Lower	5.62	2.92
WETLAND CONDITION (EC)			0.00	Lower		2.50
WETLAND RISK (average of Sensitivity & Stressors)			6.34	Moderate		3.42

NOTE: A score of 0 does not mean the function or benefit is absent from the wetland. It means only that this wetland has a capacity that is equal or less than the lowest-scoring one, for that function or benefit, from among all the NS calibration wetlands that were assessed previously.

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Function-Benefit Product (FBP)	FBP SCORE	FBP SCORE CATEGORY
SUPPORT SUPERGROUP - HYDROLOGIC	38.23269445	Moderate
SUPPORT SUPERGROUP - WATER QUALITY SUPPORT	14.39649826	Low
SUPPORT SUPERGROUP - AQUATIC SUPPORT	5.099694587	Low
HABITAT SUPERGROUP - AQUATIC HABITAT	1.623145966	Low
HABITAT SUPERGROUP - TRANSITION HABITAT	17.03070033	Low

Habitat Rule Satisfied? NO

Support Rule Satisfied? NO

Habitat/Support Hybrid Rule Satisfied? NO

CONCLUSION: Site is not a WSS