

APPENDIX F
WSP SHADOW FLICKER ASSESSMENT



Upper Afton Wind Ltd.
Upper Afton Wind Project

Shadow Flicker Assessment

2026-02-05

Project No. CA0057109.6278 / 2000



Distribution List

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Table of Contents

1.0 INTRODUCTION 1

2.0 PROJECT DESCRIPTION 1

3.0 ASSESSMENT APPROACH 2

 3.1 Assessment Cases 2

 3.2 Receptors 3

 3.3 Assessment Criteria 7

 3.4 Modelling Methods 7

4.0 RESULTS 8

5.0 SUMMARY AND DISCUSSION 16

SIGNATURE PAGE 17

6.0 REFERENCES 17

TABLES

Table 1: Location of Project Wind Turbines 2

Table 2: Receptor Locations and Distance to Turbines 4

Table 3: Historical Sunshine Data Used to Model the Adjusted-Case 7

Table 4: Historical Wind Direction Data Used to Model the Adjusted-Case 8

Table 5: Shadow Flicker Modelling Results for the Project 9

Table 6: Compliance Assessment 13

FIGURES

Figure 1: Study Area 6

Figure 2: Total Hours of Shadow Flicker Per Year (Adjusted-Case) 11

Figure 3: Maximum Minutes of Shadow Flicker on a Single Day (Worst-Case) 12

APPENDICES

APPENDIX A
Curtailement Schedule

1.0 INTRODUCTION

Upper Afton Wind Ltd., comprised of EverWind NS Holdings Ltd. (EverWind) and Membertou Development Corporation, is proposing development of the Upper Afton Wind Project (the Project) in Guysborough County and Antigonish County, Nova Scotia. The Project will be located approximately 27 km east-southeast of the Town of Antigonish.

Provincial guidance for assessing potential environmental effects from wind power facilities in Nova Scotia is provided in the *Guide to Preparing an EA Registration Document for Wind Power Projects in Nova Scotia* (Nova Scotia 2021) and Environmental Assessment Supplemental Checklist: Wind Energy Projects (Nova Scotia 2024), which will hereafter be referred to collectively as the EA Guide. The EA Guide requires preparation of a shadow flicker assessment, which must “...show that shadow flicker will not exceed 30 minutes per day or 30 hours per year at any permanent or seasonal receptor within 2 km of the project” (Nova Scotia 2024).

EverWind retained WSP Canada Inc. (WSP) to prepare a shadow flicker assessment for the Project in accordance with the EA Guide. The results of the Project shadow flicker assessment are presented in this report.

The shadow flicker assessment report is structured as follows:

- Section 1 provides a brief introduction.
- Section 2 presents a description of the wind turbines proposed for the Project.
- Section 3 outlines the assessment approach, including:
 - assessment cases
 - shadow flicker receptors
 - assessment criteria
 - shadow flicker modelling methods
- Section 4 provides results for each assessment case.
- Section 5 summarizes and discusses the results of the shadow flicker assessment.
- Appendix A presents a wind turbine curtailment schedule that could be implemented to reduce the duration of shadow flicker exposure at select receptors.

2.0 PROJECT DESCRIPTION

The Project is a proposed 176-megawatt (MW) wind energy development, involving up to 28 turbines, along with a collector system, substation, and operations and maintenance building. At this time, it is anticipated that 22 x 8.0 MW turbines will be constructed. The shadow flicker model uses 22 Goldwind GWH182 8.0 MW wind turbines. There are six alternate turbine locations that are not included in the shadow flicker modelling. The Project wind turbines will consist of three-blade rotors and tubular towers. The Project wind turbines will have a hub height of 130 m and a rotor diameter of 183.4 m.

Table 1 presents the location of the Project wind turbines. A map showing the locations of the Project wind turbines is presented in Section 3.2 of this report (see Figure 1).

Table 1: Location of Project Wind Turbines

Turbine Identification Code ^(a)	Description	Universal Transverse Mercator Coordinates (Zone 20)	
		Easting (m)	Northing (m)
T03	Goldwind GWH182 8.0-MW wind turbine	602054	5046761
T04	Goldwind GWH182 8.0-MW wind turbine	601337	5047167
T05	Goldwind GWH182 8.0-MW wind turbine	600830	5046447
T08	Goldwind GWH182 8.0-MW wind turbine	602085	5045503
T09	Goldwind GWH182 8.0-MW wind turbine	601074	5044734
T10	Goldwind GWH182 8.0-MW wind turbine	607077	5046030
T11	Goldwind GWH182 8.0-MW wind turbine	608125	5046249
T13	Goldwind GWH182 8.0-MW wind turbine	604560	5044836
T14	Goldwind GWH182 8.0-MW wind turbine	604262	5044101
T15	Goldwind GWH182 8.0-MW wind turbine	603381	5043780
T16	Goldwind GWH182 8.0-MW wind turbine	602380	5044475
T17	Goldwind GWH182 8.0-MW wind turbine	601943	5043944
T18	Goldwind GWH182 8.0-MW wind turbine	601467	5043545
T19	Goldwind GWH182 8.0-MW wind turbine	602398	5042868
T20	Goldwind GWH182 8.0-MW wind turbine	603497	5042524
T21	Goldwind GWH182 8.0-MW wind turbine	602328	5041805
T22	Goldwind GWH182 8.0-MW wind turbine	603047	5041166
T23	Goldwind GWH182 8.0-MW wind turbine	607979	5044838
T25	Goldwind GWH182 8.0-MW wind turbine	608145	5043249
T26	Goldwind GWH182 8.0-MW wind turbine	607254	5043201
T27	Goldwind GWH182 8.0-MW wind turbine	607431	5042402
T28	Goldwind GWH182 8.0-MW wind turbine	606233	5042429

(a) Although there are 28 potential turbine locations in the Project, the shadow flicker model includes only the 22 locations that are anticipated to be constructed at this time. The other six turbine locations are alternates.

3.0 ASSESSMENT APPROACH

3.1 Assessment Cases

Shadow flicker occurs when the turning rotor of a wind turbine is located between the sun and a receptor. As the turbine blades alternately block sunlight and allow sunlight to shine through, the shadow at the receptor may be observed to flicker under certain environmental conditions. For shadow flicker to occur, the sun must be shining, the sun must be low enough in the sky that the shadow of the wind turbine falls across the receptor, the wind turbine must be active (i.e., the rotor must be turning), and the rotor must be oriented such that the blades are not parallel to the line joining the sun and receptor. The shadow flicker assessment for the Project considered two assessment cases, which represent two different sets of environmental conditions.

The Worst-Case assessment assumes the sun is always shining during daylight hours (i.e., there are no cloudy periods), all Project wind turbines are always active (i.e., rotors turning), and all Project wind turbines are always oriented with their rotors perpendicular to the line joining the sun and all receptors. The Worst-Case assessment is highly conservative (i.e., likely to overestimate potential shadow flicker effects) because the sun is not always

shining, and the Project wind turbines are not always active. In addition, the orientation of the Project wind turbines will change continuously based on wind direction, so turbine rotors are not always perpendicular to the line joining the sun and receptors.

The Adjusted-Case assessment makes use of historical weather data to reduce some of the conservatism inherent in the Worst-Case assessment. More specifically, the Adjusted-Case assessment uses weather data to estimate the probability of sunshine during each month of the year. In addition, the Adjusted-Case assessment uses weather data to estimate the probability of different wind directions, and hence turbine orientations. Even with the use of historical weather data, Adjusted-Case is still a conservative assessment of potential shadow flicker effects because it assumes the Project wind turbines are always active (i.e., turbine rotors are always turning), which is not the case.

3.2 Receptors

The EA Guide requires that potential shadow flicker effects be assessed at permanent or seasonal receptors located within 2 km of the Project wind turbines (Nova Scotia 2024). WSP established a study area for the shadow flicker assessment as a 2 km buffer on the Project wind turbines. All receptors within this study area were considered in the Project shadow flicker assessment.

A total of 45 shadow flicker receptors were identified within the study area. Another 27 shadow flicker receptors were identified just outside the study area; these receptors were maintained in the assessment in the interest of fully capturing all potential shadow flicker effects.

When assessing potential shadow flicker effects, each receptor was assumed to be sensitive to shadow flicker in any direction. In other words, each receptor was assumed to have windows facing in all directions. This approach is often called greenhouse mode modelling. Greenhouse mode modelling is conservative since receptors may not actually have windows facing in all directions. In addition, trees, outbuildings, and other local structures can screen shadow flicker effects. These local shadow flicker screens were not considered when modelling receptors, which adds further conservatism to the shadow flicker assessment.

Table 2 presents locations for the 72 receptors considered in the Project shadow flicker assessment. For each receptor, Table 2 also identifies and provides the distance to the closest Project wind turbine. As noted above, some receptors are located slightly more than 2 km from the closest Project wind turbine (i.e., just beyond the 2 km study area). These receptors were maintained in the assessment in the interest of fully capturing all potential shadow flicker effects. Figure 1 presents a map showing the locations of the Project wind turbines and shadow flicker receptors.

Table 2: Receptor Locations and Distance to Turbines

Receptor Identification Code ^(a)	Universal Transverse Mercator Coordinates (Zone 20)		Closest Project Wind Turbine	Distance to Closest Project Wind Turbine (m)
	Easting (m)	Northing (m)		
R01	609319	5047193	T11	1,522
R02	609129	5047153	T11	1,351
R03	609592	5046913	T11	1,610
R04	609488	5046942	T11	1,529
R05	609304	5047438	T11	1,674
R06	609337	5047139	T11	1,504
R07	608873	5047291	T11	1,283
R08	608936	5047149	T11	1,211
R09	609584	5045785	T11	1,531
R10	607627	5047295	T11	1,158
R13 ^(b)	605572	5045340	T13	1,131
R14	605756	5045136	T13	1,233
R15	609661	5045757	T11	1,613
R17	606587	5044358	T26	1,335
R18	609785	5046269	T11	1,660
R20	609542	5046091	T11	1,426
R21	609598	5045915	T11	1,510
R27	609073	5047365	T11	1,464
R28	606454	5044901	T10	1,289
R29	609048	5047421	T11	1,492
R30	609027	5047366	T11	1,436
R31	605794	5045954	T10	1,285
R32	605351	5046367	T13	1,723
R33	606650	5044078	T26	1,065
R35 ^(b)	603173	5041195	T22	129
R36	603751	5048650	T03	2,539 ^(c)
R37	603745	5048740	T03	2,603 ^(c)
R38	605197	5047860	T10	2,624 ^(c)
R39	602468	5049439	T04	2,538 ^(c)
R41	602412	5049144	T04	2,250 ^(c)
R42	604969	5046427	T13	1,643
R45	604916	5046823	T13	2,019 ^(c)
R46	604916	5046823	T13	2,019 ^(c)
R47	604688	5047311	T13	2,478 ^(c)
R48	604554	5047236	T13	2,400 ^(c)
R49	604713	5046991	T13	2,160 ^(c)
R50	605018	5046794	T13	2,011 ^(c)
R53 ^(b)	602428	5046728	T03	375

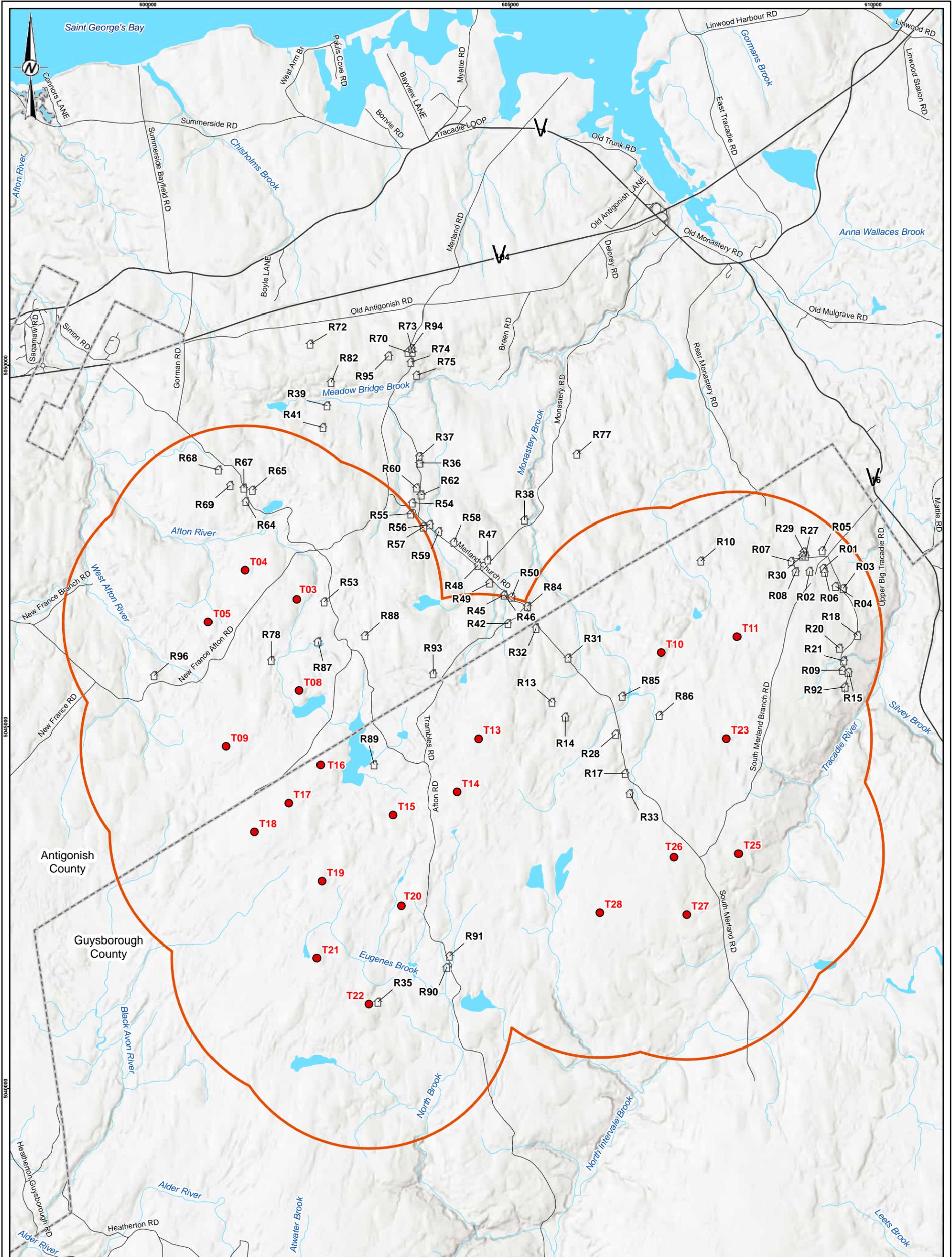
Table 2: Receptor Locations and Distance to Turbines

Receptor Identification Code ^(a)	Universal Transverse Mercator Coordinates (Zone 20)		Closest Project Wind Turbine	Distance to Closest Project Wind Turbine (m)
	Easting (m)	Northing (m)		
R54	603650	5048096	T03	2,081 ^(c)
R55 ^(b)	603628	5047944	T03	1,969
R56	603886	5047800	T03	2,106 ^(c)
R57	603802	5047767	T03	2,017 ^(c)
R58	604218	5047557	T03	2,306 ^(c)
R59	604011	5047705	T03	2,173 ^(c)
R60	603708	5048304	T03	2,262 ^(c)
R62	603769	5048207	T03	2,243 ^(c)
R64	601350	5048114	T04	947
R65	601441	5048273	T04	1,111
R67	601322	5048302	T04	1,135
R68	600971	5048554	T04	1,434
R69	601132	5048339	T04	1,190
R70	603589	5050184	T03	3,751 ^(c)
R72	602240	5050296	T04	3,257 ^(c)
R73	603650	5050183	T03	3,776 ^(c)
R74	603630	5050044	T03	3,642 ^(c)
R75	603710	5049863	T03	3,516 ^(c)
R77	605916	5048773	T10	2,979 ^(c)
R78 ^(b)	601703	5045921	T08	566
R82	602524	5049765	T04	2,856 ^(c)
R84 ^(b)	605236	5046666	T10	1,948
R85 ^(b)	606547	5045424	T10	805
R86 ^(b)	607052	5045157	T10	873
R87 ^(b)	602345	5046180	T03	650
R88	602993	5046265	T03	1,062
R89 ^(b)	603120	5044479	T16	740
R90 ^(b)	604120	5041676	T20	1,052
R91 ^(b)	604158	5041835	T20	955
R92	609616	5045550	T11	1,647
R93	603932	5045736	T13	1,097
R94	603640	5050235	T03	3,819 ^(c)
R95	603322	5050132	T04	3,568 ^(c)
R96	600085	5045710	T05	1,048

(a) The receptor identification codes are not sequential because some locations were removed during the planning process.

(b) The owner of this receptor has an agreement with EverWind waiving the requirement to comply with shadow flicker limits.

(c) This receptor is located more than 2 km from the nearest Project wind turbine but was maintained in the assessment in the interest of fully capturing all potential shadow flicker effects.



- LEGEND**
- POTENTIAL RECEPTOR
 - HIGHWAY
 - LOCAL ROAD
 - MUNICIPAL BOUNDARY
 - WATERCOURSE
 - SHADOW FLICKER STUDY AREA
 - WATERBODY
- NOISE SOURCE**
- TURBINE



REFERENCE(S)
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 DATUM: NAD83 PROJECTION: UTM ZONE 20

CLIENT
EVERWIND FUELS (EWF)

PROJECT
UPPER AFTON - SHADOW FLICKER REPORT

CONSULTANT



YYYY-MM-DD	2026-02-03
DESIGNED	VY
PREPARED	MV PT
REVIEWED	VY
APPROVED	AF

TITLE
STUDY AREA

PROJECT NO.	CONTROL	REV.	FIGURE
CA0057109.6278		0	1

3.3 Assessment Criteria

The EA Guide indicates that shadow flicker at receptors should not exceed a total of 30 hours per year and/or a maximum of 30 minutes on a single day (Nova Scotia 2024). Compliance with the first limit is best assessed in the context of the Adjusted-Case, which incorporates historical sunshine and wind direction data when estimating annual shadow flicker at each receptor. Compliance with the second limit is best assessed in the context of the Worst-Case, which represents environmental conditions that would lead to maximum shadow flicker on a single day (i.e., full sunshine and favourable turbine orientation).

3.4 Modelling Methods

Potential shadow flicker effects from the Project were modelled using WindPro® v2.7, a commercial software tool developed and distributed by EMD International A/S. Separate WindPro® models were developed for the Worst-Case and Adjusted-Case assessments.

Inputs to the WindPro® models for both assessment cases included the location, hub height, and rotor diameter for the Project wind turbines, location of shadow flicker receptors, and terrain elevation data. Additional inputs to the WindPro® model for the Adjusted-Case assessment included historical data about monthly sunshine and annual wind direction.

Table 3 presents historical sunshine data used in the WindPro® model for the Adjusted-Case assessment. This historical sunshine data was obtained from a meteorological station in Charlottetown, Prince Edward Island; this is the closest station for which monthly sunshine data were publicly available. Table 4 presents historical wind direction data used in the WindPro® model for the Adjusted-Case assessment. This historical wind direction data was collected in the Project area and provided to WSP by EverWind.

Table 3: Historical Sunshine Data Used to Model the Adjusted-Case

Month	Average Hours of Sunshine Per Day
January	3.37
February	4.18
March	4.42
April	5.04
May	6.34
June	7.54
July	7.95
August	7.19
September	5.76
October	3.98
November	2.63
December	2.31

Table 4: Historical Wind Direction Data Used to Model the Adjusted-Case

Wind Direction	Hours Per Year
north	344
north-northeast	113
northeast	116
east-northeast	205
east	329
east-southeast	363
southeast	420
south-southeast	525
south	685
south-southwest	949
southwest	755
west-southwest	392
west	550
west-northwest	916
northwest	1,115
north-northwest	983
Total	8,760

The WindPro® models predicted shadow flicker effects at each of the receptors listed in Table 2 based on the daily and yearly path of the sun through the sky at the Project latitude. In the Worst-Case assessment, the WindPro® model assumed the sun was always shining, the wind turbine generators were always active, and the turbine rotors were always oriented perpendicular to the line joining the sun and each receptor. In the Adjusted-Case assessment, the WindPro® model adjusted the predictions to account for historical monthly sunshine data (see Table 3) and to account for turbine orientation based on historical wind direction data (see Table 4). In both the Worst-Case and Adjusted-Case modelling, each receptor was modelled in greenhouse mode (i.e., sensitive to shadow flicker in every direction). Modelling both the Worst-Case and Adjusted-Case considered screening by terrain features (e.g., hills and valleys), but neither assessment case considered screening effects from trees, outbuildings, or other local structures.

4.0 RESULTS

Table 5 presents shadow flicker modelling results for the Project. Shadow flicker results are presented for each of the receptors identified in Table 2. For the Worst-Case assessment, modelling results are presented in the form of total hours of shadow flicker per year and maximum minutes of shadow flicker on a single day. For the Adjusted-Case assessment, modelling results are presented in the form of total hours of shadow flicker per year. Note that daily results are not available for the Adjusted-Case assessment because the modelling algorithm is based on monthly sunshine statistics and annual wind direction data. Figure 2 presents a contour map of modelling results in the form of total hours per year for the Adjusted-Case, and Figure 3 presents a contour map of modelling results in the form of maximum minutes per day for the Worst-Case.

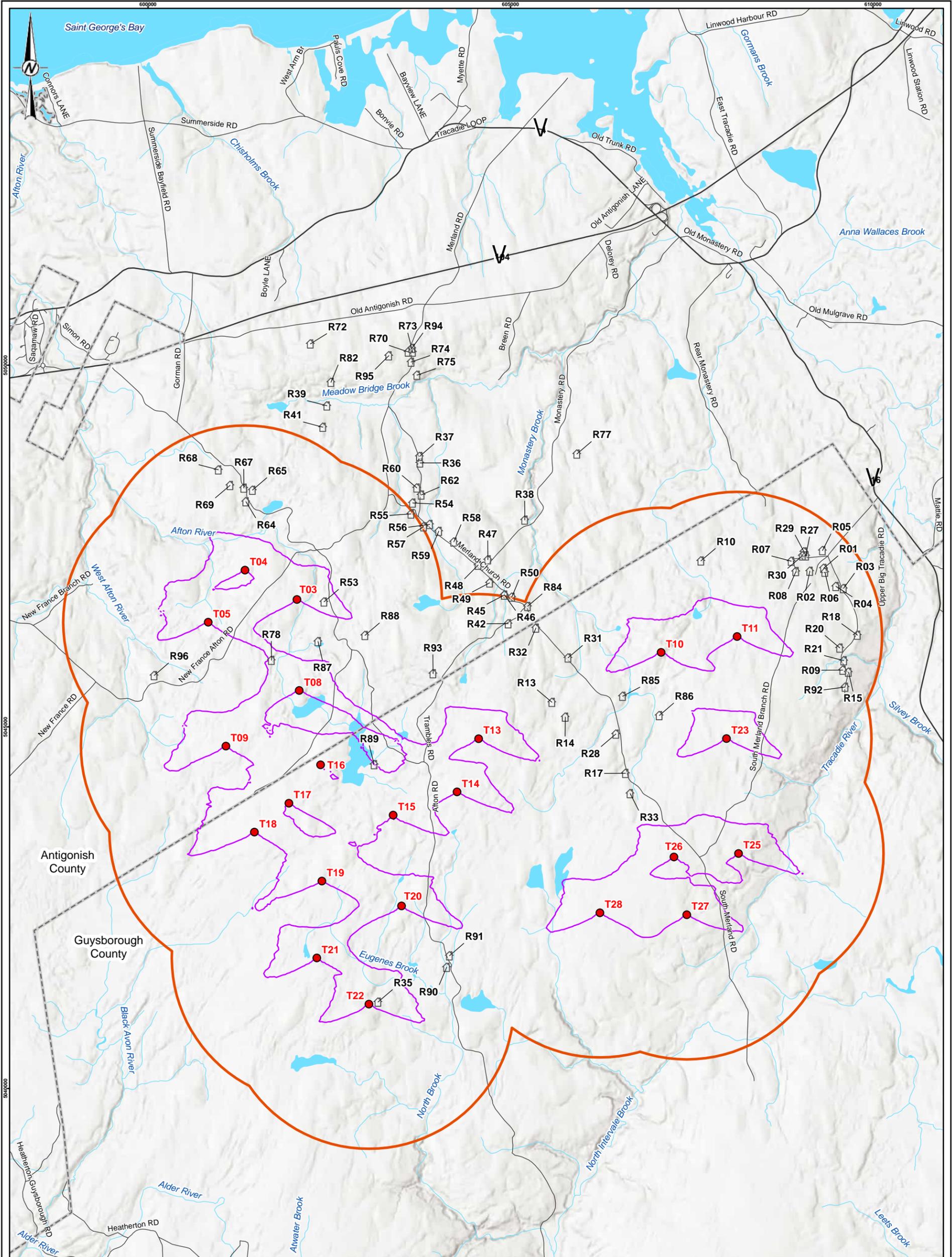
Table 5: Shadow Flicker Modelling Results for the Project

Receptor Identification Code	Worst-Case Assessment		Adjusted-Case Assessment
	Total Hours of Shadow Flicker Per Year	Maximum Minutes of Shadow Flicker on a Single Day	Total Hours of Shadow Flicker Per Year
R01	24.18	29	4.35
R02	38.97	33	6.72
R03	12.73	27	2.85
R04	14.78	28	3.18
R05	22.17	28	3.68
R06	21.02	30	3.82
R07	6.27	19	0.93
R08	34.70	38	5.82
R09	31.25	29	8.40
R10	0.00	0	0.00
R13 ^(a)	62.05	38	13.60
R14	35.12	34	7.48
R15	27.67	28	7.55
R17	29.83	29	7.62
R18	10.88	26	2.88
R20	16.00	30	4.53
R21	28.73	29	7.08
R27	16.23	28	2.60
R28	17.97	46	4.78
R29	6.80	19	1.02
R30	12.03	25	1.88
R31	44.93	33	9.25
R32	8.57	24	2.08
R33	30.13	26	8.05
R35 ^(a)	706.82	243	195.08
R36	0.00	0	0.00
R37	0.00	0	0.00
R38	0.00	0	0.00
R39	0.00	0	0.00
R41	0.00	0	0.00
R42	0.00	0	0.00
R45	0.00	0	0.00
R46	0.00	0	0.00
R47	0.00	0	0.00
R48	0.00	0	0.00
R49	0.00	0	0.00
R50	0.00	0	0.00

Table 5: Shadow Flicker Modelling Results for the Project

Receptor Identification Code	Worst-Case Assessment		Adjusted-Case Assessment
	Total Hours of Shadow Flicker Per Year	Maximum Minutes of Shadow Flicker on a Single Day	Total Hours of Shadow Flicker Per Year
R53 ^(a)	313.63	143	95.57
R54	0.00	0	0.00
R55 ^(a)	14.77	23	2.63
R56	0.00	0	0.00
R57	0.00	0	0.00
R58	0.00	0	0.00
R59	0.00	0	0.00
R60	0.00	0	0.00
R62	0.00	0	0.00
R64	0.00	0	0.00
R65	0.00	0	0.00
R67	0.00	0	0.00
R68	0.00	0	0.00
R69	0.00	0	0.00
R70	0.00	0	0.00
R72	0.00	0	0.00
R73	0.00	0	0.00
R74	0.00	0	0.00
R75	0.00	0	0.00
R77	0.00	0	0.00
R78 ^(a)	149.87	77	35.80
R82	0.00	0	0.00
R84 ^(a)	7.45	22	1.93
R85 ^(a)	35.80	28	9.87
R86 ^(a)	31.88	43	8.15
R87 ^(a)	9.52	24	2.73
R88	74.82	38	17.75
R89 ^(a)	119.60	72	30.82
R90 ^(a)	31.90	36	7.43
R91 ^(a)	29.63	34	6.27
R92	39.38	28	12.00
R93	20.43	21	3.90
R94	0.00	0	0.00
R95	0.00	0	0.00
R96	21.60	31	4.50

(a) The owner of this receptor has an agreement with EverWind waiving the requirement to comply with shadow flicker limits.



LEGEND

- POTENTIAL RECEPTOR
- HIGHWAY
- LOCAL ROAD
- MUNICIPAL BOUNDARY
- WATERCOURSE
- WATERBODY
- SHADOW FLICKER STUDY AREA

NOISE SOURCE

- TURBINE

PREDICTED SHADOW FLICKER [ADJUSTED-CASE]

- 30 HOURS PER YEAR



CLIENT
EVERWIND FUELS (EWF)



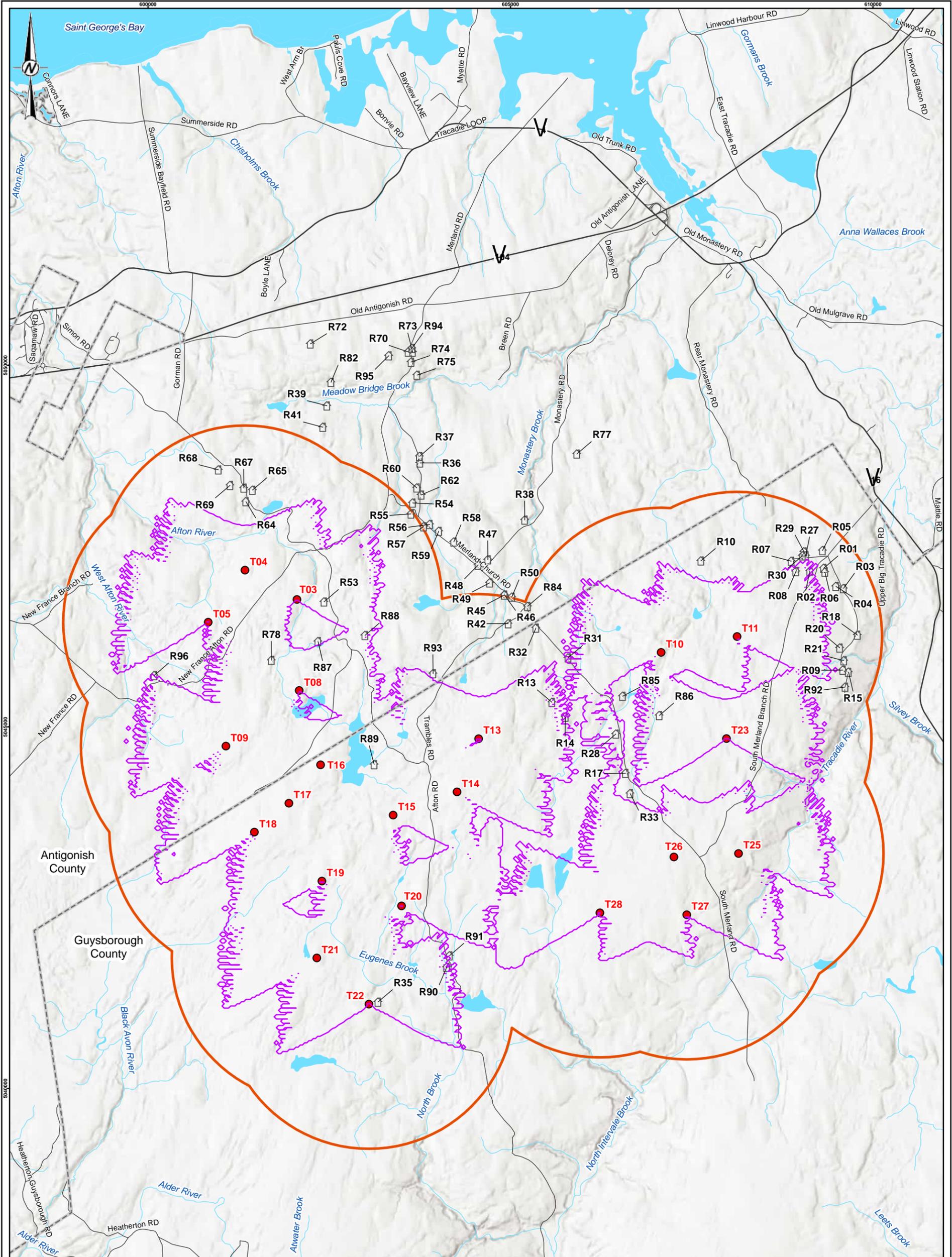
YYYY-MM-DD	2026-02-03
DESIGNED	VY
PREPARED	MV PT
REVIEWED	VY
APPROVED	AF

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PROJECT
UPPER AFTON - SHADOW FLICKER REPORT

TITLE
TOTAL HOURS OF SHADOW FLICKER PER YEAR (ADJUSTED-CASE)

PROJECT NO.	CONTROL	REV.	FIGURE
CA0057109.6278		0	2



- LEGEND**
- POTENTIAL RECEPTOR
 - HIGHWAY
 - LOCAL ROAD
 - MUNICIPAL BOUNDARY
 - WATERCOURSE
 - SHADOW FLICKER STUDY AREA
 - WATERBODY
- NOISE SOURCE**
- TURBINE
- PREDICTED SHADOW FLICKER (WORST CASE)**
- 30 MINUTES PER DAY



CLIENT
EVERWIND FUELS (EWF)



YYYY-MM-DD	2026-02-03
DESIGNED	VY
PREPARED	MV PT
REVIEWED	VY
APPROVED	AF

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PROJECT
UPPER AFTON - SHADOW FLICKER REPORT

TITLE
MAXIMUM MINUTES OF SHADOW FLICKER ON A SINGLE DAY (WORST-CASE)

PROJECT NO.	CONTROL	REV.	FIGURE
CA0057109.6278		0	3

Table 6 compares total hours of shadow flicker per year predicted for the Adjusted-Case to the 30 hours per year shadow flicker limit from the EA Guide (Nova Scotia 2021; Nova Scotia 2024). Table 6 indicates that shadow flicker from the Project is predicted to comply with the annual shadow flicker limits from the EA Guide at all receptors where these limits are applicable.

Table 6 also compares maximum minutes of shadow flicker on a single day predicted for the Worst-Case to the 30 minutes per day shadow flicker limit from the EA Guide (Nova Scotia 2021; Nova Scotia 2024). Table 6 indicates there are seven receptors where shadow flicker limits apply but the maximum daily shadow flicker exceeds the 30-minute limit (i.e., R02, R08, R14, R28, R31, R88, and R96). Mitigation may be required to achieve compliance at these seven receptors.

Table 6: Compliance Assessment

Receptor Identification Code	Total Hours Per Year of Shadow Flicker			Maximum Minutes of Shadow Flicker on a Single Day		
	Project Prediction (Adjusted-Case)	Limit from EA Guide	Assessment	Project Prediction (Worst-Case)	Limit from EA Guide	Assessment
R01	4.35	30	Project is compliant	29	30	Project is compliant
R02	6.72	30	Project is compliant	33	30	mitigation may be required
R03	2.85	30	Project is compliant	27	30	Project is compliant
R04	3.18	30	Project is compliant	28	30	Project is compliant
R05	3.68	30	Project is compliant	28	30	Project is compliant
R06	3.82	30	Project is compliant	30	30	Project is compliant
R07	0.93	30	Project is compliant	19	30	Project is compliant
R08	5.82	30	Project is compliant	38	30	mitigation may be required
R09	8.40	30	Project is compliant	29	30	Project is compliant
R10	0.00	30	Project is compliant	0	30	Project is compliant
R13	13.60	n/a ^(a)	n/a ^(a)	38	n/a ^(a)	n/a ^(a)
R14	7.48	30	Project is compliant	34	30	mitigation may be required
R15	7.55	30	Project is compliant	28	30	Project is compliant
R17	7.62	30	Project is compliant	29	30	Project is compliant
R18	2.88	30	Project is compliant	26	30	Project is compliant
R20	4.53	30	Project is compliant	30	30	Project is compliant
R21	7.08	30	Project is compliant	29	30	Project is compliant

Table 6: Compliance Assessment

Receptor Identification Code	Total Hours Per Year of Shadow Flicker			Maximum Minutes of Shadow Flicker on a Single Day		
	Project Prediction (Adjusted-Case)	Limit from EA Guide	Assessment	Project Prediction (Worst-Case)	Limit from EA Guide	Assessment
R27	2.60	30	Project is compliant	28	30	Project is compliant
R28	4.78	30	Project is compliant	46	30	mitigation may be required
R29	1.02	30	Project is compliant	19	30	Project is compliant
R30	1.88	30	Project is compliant	25	30	Project is compliant
R31	9.25	30	Project is compliant	33	30	mitigation may be required
R32	2.08	30	Project is compliant	24	30	Project is compliant
R33	8.05	30	Project is compliant	26	30	Project is compliant
R35	195.08	n/a ^(a)	n/a ^(a)	243	n/a ^(a)	n/a ^(a)
R36	0.00	30	Project is compliant	0	30	Project is compliant
R37	0.00	30	Project is compliant	0	30	Project is compliant
R38	0.00	30	Project is compliant	0	30	Project is compliant
R39	0.00	30	Project is compliant	0	30	Project is compliant
R41	0.00	30	Project is compliant	0	30	Project is compliant
R42	0.00	30	Project is compliant	0	30	Project is compliant
R45	0.00	30	Project is compliant	0	30	Project is compliant
R46	0.00	30	Project is compliant	0	30	Project is compliant
R47	0.00	30	Project is compliant	0	30	Project is compliant
R48	0.00	30	Project is compliant	0	30	Project is compliant
R49	0.00	30	Project is compliant	0	30	Project is compliant
R50	0.00	30	Project is compliant	0	30	Project is compliant
R53	95.57	n/a ^(a)	n/a ^(a)	143	n/a ^(a)	n/a ^(a)
R54	0.00	30	Project is compliant	0	30	Project is compliant
R55	2.63	n/a ^(a)	n/a ^(a)	23	n/a ^(a)	n/a ^(a)
R56	0.00	30	Project is compliant	0	30	Project is compliant

Table 6: Compliance Assessment

Receptor Identification Code	Total Hours Per Year of Shadow Flicker			Maximum Minutes of Shadow Flicker on a Single Day		
	Project Prediction (Adjusted-Case)	Limit from EA Guide	Assessment	Project Prediction (Worst-Case)	Limit from EA Guide	Assessment
R57	0.00	30	Project is compliant	0	30	Project is compliant
R58	0.00	30	Project is compliant	0	30	Project is compliant
R59	0.00	30	Project is compliant	0	30	Project is compliant
R60	0.00	30	Project is compliant	0	30	Project is compliant
R62	0.00	30	Project is compliant	0	30	Project is compliant
R64	0.00	30	Project is compliant	0	30	Project is compliant
R65	0.00	30	Project is compliant	0	30	Project is compliant
R67	0.00	30	Project is compliant	0	30	Project is compliant
R68	0.00	30	Project is compliant	0	30	Project is compliant
R69	0.00	30	Project is compliant	0	30	Project is compliant
R70	0.00	30	Project is compliant	0	30	Project is compliant
R72	0.00	30	Project is compliant	0	30	Project is compliant
R73	0.00	30	Project is compliant	0	30	Project is compliant
R74	0.00	30	Project is compliant	0	30	Project is compliant
R75	0.00	30	Project is compliant	0	30	Project is compliant
R77	0.00	30	Project is compliant	0	30	Project is compliant
R78	35.80	n/a ^(a)	n/a ^(a)	77	n/a ^(a)	n/a ^(a)
R82	0.00	30	Project is compliant	0	30	Project is compliant
R84	1.93	n/a ^(a)	n/a ^(a)	22	n/a ^(a)	n/a ^(a)
R85	9.87	n/a ^(a)	n/a ^(a)	28	n/a ^(a)	n/a ^(a)
R86	8.15	n/a ^(a)	n/a ^(a)	43	n/a ^(a)	n/a ^(a)
R87	2.73	n/a ^(a)	n/a ^(a)	24	n/a ^(a)	n/a ^(a)
R88	17.75	30	Project is compliant	38	30	mitigation may be required
R89	30.82	n/a ^(a)	n/a ^(a)	72	n/a ^(a)	n/a ^(a)
R90	7.43	n/a ^(a)	n/a ^(a)	36	n/a ^(a)	n/a ^(a)
R91	6.27	n/a ^(a)	n/a ^(a)	34	n/a ^(a)	n/a ^(a)
R92	12.00	30	Project is compliant	28	30	Project is compliant

Table 6: Compliance Assessment

Receptor Identification Code	Total Hours Per Year of Shadow Flicker			Maximum Minutes of Shadow Flicker on a Single Day		
	Project Prediction (Adjusted-Case)	Limit from EA Guide	Assessment	Project Prediction (Worst-Case)	Limit from EA Guide	Assessment
R93	3.90	30	Project is compliant	21	30	Project is compliant
R94	0.00	30	Project is compliant	0	30	Project is compliant
R95	0.00	30	Project is compliant	0	30	Project is compliant
R96	4.50	30	Project is compliant	31	30	mitigation may be required

(a) The owner of this receptor has an agreement with EverWind waiving the requirement to comply with shadow flicker limits.

It is important to note that shadow flicker modelling incorporates several conservative assumptions that tend to overestimate actual exposure durations. Most importantly for the predicted exceedances of the 30 minutes per day limit, the modelling assumes each receptor has windows facing in all directions (i.e., greenhouse mode) and the modelling does not account for shielding by trees, outbuildings, and other local structures. As such, it is likely that actual shadow flicker durations during Project operations will not exceed the 30 minutes per day limit. However, in the unlikely event of a shadow flicker issue during Project operations, temporary curtailment of select turbines during specific dates/times could be implemented to reduce the duration of shadow flicker exposure. A potential wind turbine curtailment schedule is presented in Appendix A of this report.

5.0 SUMMARY AND DISCUSSION

A shadow flicker assessment was completed for the Project in accordance with guidance set out in the EA Guide (Nova Scotia 2021; Nova Scotia 2024). The shadow flicker assessment considered potential effects to 72 receptors located within approximately 2 km of the Project. Compliance with the EA Guide was assessed by comparing predicted Project shadow flicker levels to a limit of 30 hours per year and 30 minutes per day.

The shadow flicker assessment evaluated two conservative modelling scenarios: Worst-Case and Adjusted-Case. The Worst-Case assessment assumed the sun is always shining during daylight hours (i.e., no cloudy periods), all Project wind turbines are always active (i.e., rotors always turning), and all Project wind turbines are always oriented with their rotors perpendicular to the line joining the sun and all receptors. The Adjusted-Case assessment used historical weather data to estimate the probability of sunshine for each month of the year and to estimate the probability of different wind directions (and hence turbine orientations). Both assessment cases assumed that receptors are sensitive to shadow flicker in every direction (i.e., greenhouse mode) and neither assessment case accounted for screening of shadow flicker by vegetation, outbuildings, or other structures.

The shadow flicker assessment concluded the Project will comply with the 30 hours per year limit from the EA Guide (Nova Scotia 2021; Nova Scotia 2024) at all receptors where this limit is applicable. The shadow flicker assessment also concluded that, with the implementation of an appropriate wind turbine curtailment schedule (see Appendix A), the Project could comply with the 30 minutes per day limit from the EA Guide (Nova Scotia 2021; Nova Scotia 2024) at all receptors where this limit is applicable. As such, the Project will not result in unacceptable shadow flicker effects.

Signature Page

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6.0 REFERENCES

Nova Scotia (Nova Scotia Policy Division Environmental Assessment Branch). 2021. Guide to Preparing an EA Registration Document for Wind Power Projects in Nova Scotia.

Nova Scotia (Nova Scotia Policy Division Environmental Assessment Branch). 2024. Environmental Assessment Supplemental Checklist: Wind Energy Project.

APPENDIX A

Curtailment Schedule

Appendix A – Shadow Flicker Curtailment Schedule

For each of the seven receptors where modelling predicted potential non-compliance with daily shadow flicker limits (see Table 6 of the main report), the WindPro® software was used to identify the specific Project wind turbine(s) that contribute to the predicted shadow flicker and the specific dates and times when these wind turbine(s) may cause shadow flicker. Using this information, WSP developed a wind turbine curtailment schedule that results in predicted shadow flicker exposure less than 30 minutes per day for each receptor where shadow flicker limits are applicable.

The following tables present a curtailment schedule that will be sufficient to achieve compliance with daily shadow flicker limits at all receptors where these limits are applicable. More specifically:

- Table A-1 provides a curtailment schedule for wind turbine T03
- Table A-2 provides a curtailment schedule for wind turbine T08
- Table A-3 provides a curtailment schedule for wind turbine T09
- Table A-4 provides a curtailment schedule for wind turbine T10
- Table A-5 provides a curtailment schedule for wind turbine T11
- Table A-6 provides a curtailment schedule for wind turbine T13
- Table A-7 provides a curtailment schedule for wind turbine T23

Table A-1: Curtailment Schedule for Wind Turbine T03

Date	Curtailment Period
4-Jun	any 1 minute between 19:53 and 20:24
5-Jun	any 2 minutes between 19:52 and 20:24
6-Jun	any 2 minutes between 19:53 and 20:25
7-Jun	any 3 minutes between 19:53 and 20:26
8-Jun	any 4 minutes between 19:52 and 20:26
9-Jun	any 4 minutes between 19:53 and 20:27
10-Jun	any 4 minutes between 19:53 and 20:27
11-Jun	any 5 minutes between 19:53 and 20:28
12-Jun	any 6 minutes between 19:52 and 20:28
13-Jun	any 5 minutes between 19:53 and 20:28
14-Jun	any 6 minutes between 19:53 and 20:29
15-Jun	any 6 minutes between 19:53 and 20:29
16-Jun	any 7 minutes between 19:53 and 20:30
17-Jun	any 7 minutes between 19:53 and 20:30
18-Jun	any 6 minutes between 19:54 and 20:30
19-Jun	any 6 minutes between 19:55 and 20:31
20-Jun	any 7 minutes between 19:55 and 20:32
21-Jun	any 7 minutes between 19:55 and 20:32
22-Jun	any 7 minutes between 19:55 and 20:32
23-Jun	any 7 minutes between 19:55 and 20:32
24-Jun	any 6 minutes between 19:56 and 20:32
25-Jun	any 7 minutes between 19:55 and 20:32
26-Jun	any 7 minutes between 19:55 and 20:32
27-Jun	any 6 minutes between 19:56 and 20:32
28-Jun	any 6 minutes between 19:56 and 20:32
29-Jun	any 6 minutes between 19:57 and 20:33
30-Jun	any 5 minutes between 19:57 and 20:32
1-Jul	any 5 minutes between 19:57 and 20:32
2-Jul	any 5 minutes between 19:57 and 20:32
3-Jul	any 4 minutes between 19:58 and 20:32
4-Jul	any 4 minutes between 19:57 and 20:31
5-Jul	any 3 minutes between 19:58 and 20:31
6-Jul	any 2 minutes between 19:59 and 20:31
7-Jul	any 2 minutes between 19:58 and 20:30
8-Jul	any 1 minute between 19:59 and 20:30

Table A-2: Curtailment Schedule for Wind Turbine T08

Date	Curtailment Period
3-Jan	any 1 minute between 15:36 and 16:07
4-Jan	any 1 minute between 15:37 and 16:08
5-Jan	any 2 minutes between 15:36 and 16:08
6-Jan	any 3 minutes between 15:37 and 16:10
7-Jan	any 4 minutes between 15:37 and 16:11
8-Jan	any 5 minutes between 15:38 and 16:13
9-Jan	any 5 minutes between 15:38 and 16:13
10-Jan	any 7 minutes between 15:37 and 16:15
11-Jan	any 8 minutes between 15:38 and 16:16
12-Jan	any 8 minutes between 15:39 and 16:17
13-Jan	any 8 minutes between 15:39 and 16:17
14-Jan	any 8 minutes between 15:40 and 16:18
15-Jan	any 8 minutes between 15:40 and 16:18
16-Jan	any 8 minutes between 15:40 and 16:18
17-Jan	any 8 minutes between 15:41 and 16:19
18-Jan	any 7 minutes between 15:42 and 16:19
19-Jan	any 7 minutes between 15:42 and 16:19
20-Jan	any 7 minutes between 15:42 and 16:19
21-Jan	any 5 minutes between 15:43 and 16:18
22-Jan	any 5 minutes between 15:44 and 16:19
23-Jan	any 4 minutes between 15:45 and 16:19
24-Jan	any 3 minutes between 15:46 and 16:19
25-Jan	any 1 minutes between 15:47 and 16:18
17-Nov	any 1 minutes between 15:20 and 15:51
18-Nov	any 3 minutes between 15:20 and 15:53
19-Nov	any 4 minutes between 15:19 and 15:53
20-Nov	any 5 minutes between 15:19 and 15:54
21-Nov	any 5 minutes between 15:19 and 15:54
22-Nov	any 7 minutes between 15:18 and 15:55
23-Nov	any 7 minutes between 15:19 and 15:56
24-Nov	any 7 minutes between 15:19 and 15:56
25-Nov	any 8 minutes between 15:19 and 15:57
26-Nov	any 8 minutes between 15:19 and 15:57
27-Nov	any 8 minutes between 15:19 and 15:57

Table A-2: Curtailment Schedule for Wind Turbine T08

Date	Curtailment Period
28-Nov	any 8 minutes between 15:20 and 15:58
29-Nov	any 8 minutes between 15:20 and 15:58
30-Nov	any 8 minutes between 15:20 and 15:58
1-Dec	any 8 minutes between 15:20 and 15:58
2-Dec	any 7 minutes between 15:21 and 15:58
3-Dec	any 5 minutes between 15:22 and 15:57
4-Dec	any 5 minutes between 15:22 and 15:57
5-Dec	any 4 minutes between 15:22 and 15:56
6-Dec	any 3 minutes between 15:23 and 15:56
7-Dec	any 3 minutes between 15:23 and 15:56
8-Dec	any 1 minute between 15:24 and 15:55
9-Dec	any 1 minute between 15:24 and 15:55

Table A-3: Curtailment Schedule for Wind Turbine T09

Date	Curtailment Period
15-Dec	any 1 minute between 08:26 and 08:57
16-Dec	any 1 minute between 08:26 and 08:57
18-Dec	any 1 minute between 08:27 and 08:58
19-Dec	any 1 minute between 08:27 and 08:58
20-Dec	any 1 minute between 08:28 and 08:59
21-Dec	any 1 minute between 08:28 and 08:59
22-Dec	any 1 minute between 08:29 and 09:00
23-Dec	any 1 minute between 08:29 and 09:00
24-Dec	any 1 minute between 08:30 and 09:01
25-Dec	any 1 minute between 08:30 and 09:01
26-Dec	any 1 minute between 08:30 and 09:01
28-Dec	any 1 minute between 08:32 and 09:03

Table A-4: Curtailment Period for Wind Turbine T11

Date	Curtailment Period
21-Nov	any 1 minute between 15:09 and 15:40
22-Nov	any 1 minute between 15:10 and 15:41
23-Nov	any 2 minutes between 15:09 and 15:41
24-Nov	any 2 minutes between 15:10 and 15:42
25-Nov	any 2 minutes between 15:10 and 15:42
26-Nov	any 3 minutes between 15:09 and 15:42
27-Nov	any 3 minutes between 15:10 and 15:43
28-Nov	any 3 minutes between 15:10 and 15:43
29-Nov	any 3 minutes between 15:11 and 15:21
30-Nov	any 3 minutes between 15:11 and 15:21
1-Dec	any 3 minutes between 15:12 and 15:22
2-Dec	any 4 minutes between 15:12 and 15:22
3-Dec	any 5 minutes between 15:12 and 15:23
4-Dec	any 5 minutes between 15:14 and 15:24
5-Dec	any 6 minutes between 15:14 and 15:25
6-Dec	any 6 minutes between 15:15 and 15:25
7-Dec	any 7 minutes between 15:15 and 15:26
8-Dec	any 6 minutes between 14:50 and 15:26
9-Dec	any 7 minutes between 14:50 and 15:27
10-Dec	any 7 minutes between 14:50 and 15:27
11-Dec	any 7 minutes between 14:51 and 15:28
12-Dec	any 7 minutes between 14:51 and 15:28
13-Dec	any 7 minutes between 14:52 and 15:29
14-Dec	any 7 minutes between 14:51 and 15:29
15-Dec	any 7 minutes between 14:52 and 15:29
16-Dec	any 7 minutes between 14:53 and 15:30
17-Dec	any 8 minutes between 14:53 and 15:31
18-Dec	any 8 minutes between 14:53 and 15:31
19-Dec	any 8 minutes between 14:54 and 15:32
20-Dec	any 8 minutes between 14:54 and 15:32
21-Dec	any 7 minutes between 14:55 and 15:32
22-Dec	any 7 minutes between 14:55 and 15:32
23-Dec	any 7 minutes between 14:56 and 15:33
24-Dec	any 8 minutes between 14:56 and 15:34

Table A-4: Curtailment Period for Wind Turbine T11

Date	Curtailment Period
25-Dec	any 8 minutes between 14:57 and 15:35
26-Dec	any 8 minutes between 14:57 and 15:35
27-Dec	any 7 minutes between 14:58 and 15:35
28-Dec	any 7 minutes between 14:58 and 15:35
29-Dec	any 8 minutes between 14:58 and 15:36
30-Dec	any 7 minutes between 15:00 and 15:37
31-Dec	any 7 minutes between 15:00 and 15:37
1-Jan	any 7 minutes between 15:01 and 15:38
2-Jan	any 7 minutes between 15:01 and 15:38
3-Jan	any 7 minutes between 15:01 and 15:38
4-Jan	any 6 minutes between 15:02 and 15:38
5-Jan	any 7 minutes between 15:28 and 15:39
6-Jan	any 6 minutes between 15:29 and 15:39
7-Jan	any 6 minutes between 15:29 and 15:40
8-Jan	any 5 minutes between 15:29 and 15:39
9-Jan	any 5 minutes between 15:29 and 15:40
10-Jan	any 4 minutes between 15:30 and 15:40
11-Jan	any 4 minutes between 15:30 and 15:40
12-Jan	any 3 minutes between 15:30 and 15:40
13-Jan	any 3 minutes between 15:30 and 15:40
14-Jan	any 3 minutes between 15:30 and 16:03
15-Jan	any 3 minutes between 15:31 and 16:04
16-Jan	any 3 minutes between 15:31 and 16:04
17-Jan	any 3 minutes between 15:31 and 16:04
18-Jan	any 2 minutes between 15:33 and 16:05
19-Jan	any 2 minutes between 15:33 and 16:05
20-Jan	any 2 minutes between 15:33 and 16:05
21-Jan	any 1 minute between 15:34 and 16:05
22-Jan	any 1 minute between 15:34 and 16:05

Table A-5: Curtailment Schedule for Wind Turbine T13

Date	Curtailment Period
6-Mar	any 2 minutes between 17:05 and 17:37
7-Mar	any 3 minutes between 17:04 and 17:37
8-Mar	any 3 minutes between 18:04 and 18:37
9-Mar	any 4 minutes between 18:03 and 18:37
10-Mar	any 4 minutes between 18:03 and 18:37
11-Mar	any 4 minutes between 18:02 and 18:36
12-Mar	any 4 minutes between 18:02 and 18:36
13-Mar	any 3 minutes between 18:03 and 18:36
14-Mar	any 2 minutes between 18:03 and 18:35
29-Sep	any 2 minutes between 17:43 and 18:15
30-Sep	any 3 minutes between 17:43 and 18:16
1-Oct	any 3 minutes between 17:42 and 18:15
2-Oct	any 4 minutes between 17:41 and 18:15
3-Oct	any 4 minutes between 17:40 and 18:14
4-Oct	any 4 minutes between 17:41 and 18:15
5-Oct	any 4 minutes between 17:40 and 18:14
6-Oct	any 3 minutes between 17:40 and 18:13
7-Oct	any 2 minutes between 17:41 and 18:13
8-Oct	any 1 minute between 17:41 and 18:12

Table A-6: Curtailment Schedule for Wind Turbine T23

Date	Curtailment Period
23-Mar	any 5 minutes between 07:26 and 07:50
24-Mar	any 10 minutes between 07:24 and 07:49
25-Mar	any 14 minutes between 07:22 and 07:49
26-Mar	any 15 minutes between 07:23 and 07:49
27-Mar	any 15 minutes between 07:23 and 07:48
28-Mar	any 15 minutes between 07:23 and 07:46
29-Mar	any 13 minutes between 07:24 and 07:45
30-Mar	any 9 minutes between 07:25 and 07:43
31-Mar	any 3 minutes between 07:27 and 07:40
12-Sep	any 2 minutes between 07:20 and 07:32
13-Sep	any 8 minutes between 07:17 and 07:34
14-Sep	any 12 minutes between 07:15 and 07:35
15-Sep	any 16 minutes between 07:13 and 07:36
16-Sep	any 16 minutes between 07:11 and 07:36
17-Sep	any 16 minutes between 07:11 and 07:37
18-Sep	any 15 minutes between 07:10 and 07:37
19-Sep	any 11 minutes between 07:11 and 07:37
20-Sep	any 6 minutes between 07:12 and 07:36
21-Sep	any 2 minutes between 07:13 and 07:36

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APPENDIX G
GROUNDWATER WELLS

Table 1: Summary of Water Well Data from the NS Well Logs Database within 2 km of the Study Area - Upper Afton Wind Project

DRILLED WELL LOCATION					DRILLED WELL INSTALLATION DETAILS								
Well Number	Address	Community	County	Elevation (masl)	Date	Driller Certificate NO.	Well Depth (m)	Casing (m)	Bedrock (m)	Static (m)	Estimated Driller's Yield (Lpm)	Water Use	Well Type
1727	OLD MONASTERY ROAD	MONASTERY	ANTIGONISH	85.6	2000-11-02	2	24.36	12.18	9.14	4.57	54.48	Domestic	DRILLED
2909		MERLAND	ANTIGONISH	152	2000-09-20	572	5.33	5.33	-	2.44	227	Domestic	DUG
11125	RR#1 AFTON	AFTON STATION	ANTIGONISH	86.5	2001-07-27	4	21.92	12.18	4.26	3.04	34.05	Domestic	DRILLED
13734		NORTH INTERVALE	GUYSBOROUGH	165	2001-07-06	362	44.15	12.18	3.65	9.14	9.08	Domestic	DRILLED
23034	MERLAND ROAD	MERLAND	ANTIGONISH	137	2002-08-12	362	41.11	6.09	1.83	6.09	49.94	Domestic	DRILLED
32438		MERLAND	ANTIGONISH	152	2003-05-28	362	56.33	14.01	8.22	9.14	21.56	Domestic	DRILLED
32718	MONASTERY	MERLAND	ANTIGONISH	152	2003-06-10	362	38.06	18.27	10.66	3.04	21.56	Domestic	DRILLED
42212	GORMAN ROAD	MERLAND	ANTIGONISH	104	2004-05-07	362	50.24	18.27	14.92	-	27.24	Domestic	DRILLED
42218		UPPER BIG TRACADIE	ANTIGONISH	50	2004-06-23	362	68.51	-9999	15.22	-	6.81	Domestic	DRILLED
42248		UPPER BIG TRACADIE	ANTIGONISH	120	2004-11-23	362	86.78	20.4	20.4	-	3.4	Domestic	DRILLED
52425	Summerside Road, Afton	AFTON STATION	ANTIGONISH	59.9	2005-08-31	362	48.72	24.36	9.14	6.09	19.3	Domestic	DRILLED
52484	Merland Road	MONASTERY	ANTIGONISH	85.4	2005-05-25	362	60.9	18.27	10.96	-	13.62	Domestic	DRILLED
62442	MERLAND CHURCH ROAD, MERLAND	MONASTERY	ANTIGONISH	89	2006-11-23	362	38.06	12.18	7.92	6.09	20.43	Domestic	DRILLED
71280	MATTIE SETTLEMENT ROAD (HIGHWAY #16)	UPPER BIG TRACADIE	ANTIGONISH	38	2007-11-08	794	44.15	12.18	8.53	6.09	45.4	Domestic	DRILLED
71584	NEW FRANCE ROAD	NEW FRANCE	ANTIGONISH	161	2007-11-14	362	62.42	12.18	4.87	9.14	18.16	Domestic	DRILLED
71627	MERLAND CHURCH ROAD (MERLAND SCHOOL ROAD)	MERLAND	ANTIGONISH	118	2007-11-27	362	60.9	12.18	7.92	5.48	6.81	Domestic	DRILLED
110613	OLD ANTIGONISH ROAD (MERLAND ROAD), AFTON STATION	AFTON	ANTIGONISH	114.3	2011-08-26	362	63.94	12.18	6.7	8.53	36.32	Domestic	DRILLED
111420	1238 AFTON ROAD	AFTON	ANTIGONISH	125	2011-11-22	794	56.33	12.18	4.57	6.09	13.62	Domestic	DRILLED
130201	MERLAND ROAD, MERLAND	MERLAND	ANTIGONISH	111	2013-06-28	833	97.44	24.36	17.66	-	4.54	Domestic	DRILLED
650673		MERLAND	ANTIGONISH	152	1965-08-05	20	18.27	10.66	9.14	-0.03	6.81	Domestic	DRILLED
660698		MERLAND	ANTIGONISH	152	1966-09-14	20	30.45	7.61	6.09	9.14	9.08	Domestic	DRILLED
680731		MERLAND	ANTIGONISH	152	1968-07-10	20	28.32	10.96	9.14	10.66	9.08	Domestic	DRILLED
700127		UPPER BIG TRACADIE	ANTIGONISH	78	1970-09-04	4	60.9	26.8	24.36	9.14	4.54	Domestic	DRILLED
760149		UPPER BIG TRACADIE	ANTIGONISH	78	1976-06-08	4	47.2	6.85	3.65	13.09	9.08	Domestic	DRILLED
760160		UPPER BIG TRACADIE	ANTIGONISH	78	1976-06-11	4	29.84	8.53	6.7	4.57	22.7	Domestic	DRILLED
760165		NEW FRANCE	ANTIGONISH	163	1976-09-16	4	36.84	6.7	0.91	10.66	113.5	Domestic	DRILLED
862155	AFTON BACK ROAD	AFTON STATION	ANTIGONISH	105	1986-05-20	20	19.18	9.74	6.09	2.44	63.56	Domestic	DRILLED
862166		FRASERS GRANT	ANTIGONISH	117	1986-07-22	20	37.15	6.7	4.57	5.48	13.62	Domestic	DRILLED
871291	NEW FRANCE ROAD, HEATHERTON	NEW FRANCE	ANTIGONISH	163	1987-06-12	2	54.81	14.92	15.22	6.09	45.4	Domestic	DRILLED
871360	MERLIN ROAD, MONASTERY	UPPER BIG TRACADIE	ANTIGONISH	124	1987-10-02	2	42.63	15.22	8.53	4.57	45.4	Domestic	DRILLED
892060		MONASTERY	ANTIGONISH	43	1989-07-01	4	37.15	12.18	4.87	3.04	22.7		DRILLED
901317	RR#1, AFTON	MONASTERY	ANTIGONISH	85.6	1990-07-10	2	42.63	18.27	8.53	42.63	27.24		DRILLED
902317	RR#1 AFTON	AFTON STATION	ANTIGONISH	86.5	1990-08-30	346	4.57	9.14	-	-	-	Domestic	DUG
911405	RR#1 AFTON	MERLAND	ANTIGONISH	137	1991-09-03	2	73.08	23.14	17.66	9.14	5.45	Domestic	DRILLED
911617	RR#1 AFTON	MERLAND	ANTIGONISH	142	1991-02-20	2	48.72	25.88	9.44	18.27	20.43	Domestic	DRILLED
911675	2555 WOOD AVENUE	UPPER BIG TRACADIE	ANTIGONISH	41	1991-07-25	2	42.63	12.79	10.35	9.14	36.32	Domestic	DRILLED
922219		AFTON STATION	ANTIGONISH	59.9	1992-08-21	98	28.93	10.05	7.61	5.48	63.56	Domestic	DRILLED
931808		MONASTERY	ANTIGONISH	137	1993-08-20	4	59.99	11.57	9.74	10.66	6.81	Domestic	DRILLED
932033	RR#1	UPPER AFTON	ANTIGONISH	132	1993-05-20	98	36.54	13.4	-	0.3	45.4	Domestic	DRILLED
932054		FRASERS GRANT	ANTIGONISH	157	1993-10-08	98	42.63	12.18	10.96	10.66	22.7	Domestic	DRILLED
940952		MONASTERY	ANTIGONISH	85.6	1994-08-09	2	36.54	17.05	4.57	9.14	15.89	Domestic	DRILLED
940955		AFTON STATION	ANTIGONISH	86.5	1994-08-16	2	54.81	24.36	18.27	9.14	11.35	Domestic	DRILLED
942564		MERLAND	ANTIGONISH	179	1994-11-28	98	36.54	9.44	-	2.44	20.43	Domestic	DRILLED
950953	MERLAND ROAD, ANTIGONISH	AFTON STATION	ANTIGONISH	86.5	1995-10-13	2	42.63	18.27	8.53	9.14	13.62	Domestic	DRILLED
961859		UPPER BIG TRACADIE	ANTIGONISH	124	1996-11-04	2	66.99	28.93	26.49	7.61	2.27	Domestic	DRILLED
962203		FRASERS GRANT	ANTIGONISH	157	1996-10-11	299	54.81	12.18	10.05	11.57	9.08	Domestic	DRILLED
970621	UPPER BIG TRACADIE	REAR MONASTERY	ANTIGONISH	78	1997-08-18	2	60.9	24.36	22.53	-	4.54	Domestic	DRILLED
972879		REAR MONASTERY	ANTIGONISH	65	1997-07-22	299	47.2	16.75	13.7	-	18.16	Domestic	DRILLED
982760	OLD ANTIGONISH ROAD, MONASTERY	MERLAND	ANTIGONISH	105	1998-09-24	98	51.76	18.27	16.75	8.53	-	Domestic	DRILLED
990034		MERLAND	ANTIGONISH	97.3	1999-01-22	299	47.2	12.18	9.74	0.91	18.16	Domestic	DRILLED
990218	OLD ANTIGONISH ROAD, AFTON	AFTON STATION	ANTIGONISH	105	1999-07-16	2	30.45	10.35	5.48	4.57	27.24	Domestic	DRILLED

Table 2: Summary of Water Well Data from the NS Well Logs Database within 800 m of the Project Footprint - Upper Afton Wind Project

Project #24-11145

DRILLED WELL LOCATION					DRILLED WELL INSTALLATION DETAILS								
Well Number	Address	Community	County	Elevation (masl)	Date	Driller Certificate NO.	Well Depth (m)	Casing (m)	Bedrock (m)	Static (m)	Estimated Driller's Yield (Lpm)	Water Use	Well Type
23034	MERLAND ROAD	MERLAND	ANTIGONISH	137	2002-08-12	362	41.11	6.09	1.83	6.09	49.94	Domestic	DRILLED
32438		MERLAND	ANTIGONISH	152	2003-05-28	362	56.33	14.01	8.22	9.14	21.56	Domestic	DRILLED
32718	MONASTERY	MERLAND	ANTIGONISH	152	2003-06-10	362	38.06	18.27	10.66	3.04	21.56	Domestic	DRILLED
62442	MERLAND CHURCH ROAD, MERLAND	MONASTERY	ANTIGONISH	89	2006-11-23	362	38.06	12.18	7.92	6.09	20.43	Domestic	DRILLED
71627	MERLAND CHURCH ROAD (MERLAND SCHOOL ROAD)	MERLAND	ANTIGONISH	118	2007-11-27	362	60.9	12.18	7.92	5.48	6.81	Domestic	DRILLED
130201	MERLAND ROAD, MERLAND	MERLAND	ANTIGONISH	111	2013-06-28	833	97.44	24.36	17.66	-	4.54	Domestic	DRILLED
650673		MERLAND	ANTIGONISH	152	1965-08-05	20	18.27	10.66	9.14	-0.03	6.81	Domestic	DRILLED
660698		MERLAND	ANTIGONISH	152	1966-09-14	20	30.45	7.61	6.09	9.14	9.08	Domestic	DRILLED
680731		MERLAND	ANTIGONISH	152	1968-07-10	20	28.32	10.96	9.14	10.66	9.08	Domestic	DRILLED
700127		UPPER BIG TRACADIE	ANTIGONISH	78	1970-09-04	4	60.9	26.8	24.36	9.14	4.54	Domestic	DRILLED
760149		UPPER BIG TRACADIE	ANTIGONISH	78	1976-06-08	4	47.2	6.85	3.65	13.09	9.08	Domestic	DRILLED
760160		UPPER BIG TRACADIE	ANTIGONISH	78	1976-06-11	4	29.84	8.53	6.7	4.57	22.7	Domestic	DRILLED
871360	MERLIN ROAD, MONASTERY	UPPER BIG TRACADIE	ANTIGONISH	124	1987-10-02	2	42.63	15.22	8.53	4.57	45.4	Domestic	DRILLED
911405	RR#1 AFTON	MERLAND	ANTIGONISH	137	1991-09-03	2	73.08	23.14	17.66	9.14	5.45	Domestic	DRILLED
911617	RR#1 AFTON	MERLAND	ANTIGONISH	142	1991-02-20	2	48.72	25.88	9.44	18.27	20.43	Domestic	DRILLED
931808		MONASTERY	ANTIGONISH	137	1993-08-20	4	59.99	11.57	9.74	10.66	6.81	Domestic	DRILLED
932033	RR#1	UPPER AFTON	ANTIGONISH	132	1993-05-20	98	36.54	13.4	-	0.3	45.4	Domestic	DRILLED
942564		MERLAND	ANTIGONISH	179	1994-11-28	98	36.54	9.44	-	2.44	20.43	Domestic	DRILLED
961859		UPPER BIG TRACADIE	ANTIGONISH	124	1996-11-04	2	66.99	28.93	26.49	7.61	2.27	Domestic	DRILLED
2909		MERLAND	ANTIGONISH	152	2000-09-20	572	5.33	5.33	-	2.44	227	Domestic	DUG

APPENDIX H
ACCDC REPORT

Data Report 8773: Upper Afton, NS

Prepared 3 July 2025
by Kristen Tenwolde
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

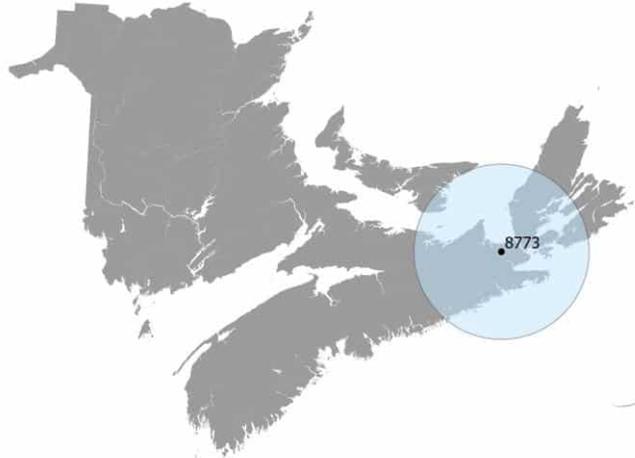
- 3.1 Managed Areas
- 3.2 Significant Areas
- Map 3: Special Areas

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:

Filename

UpAftonNS_8773ob.xls
UpAftonNS_8773ob100km.xls
UpAftonNS_8773msa.xls
UpAftonNS_8773ff_py.xls

Contents

Rare or legally protected Flora and Fauna in your study area
A list of Rare and legally protected Flora and Fauna within 100 km of your study area
Managed and Biologically Significant Areas in your study area
Rare Freshwater Fish in your study area (DFO database)

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 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
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Charity Robicheau
Senior Conservation Data Analyst
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
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Central: Shavonne Meyer
(902) 893-0816
Shavonne.Meyer@novascotia.ca

Central: Kimberly George
(902) 890-1046
Kimberly.George@novascotia.ca

Eastern: Harrison Moore
(902) 497-4119
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Eastern: Maureen Cameron-MacMillan
(902) 295-2554
Maureen.Cameron-MacMillan@novascotia.ca

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

2.0 RARE AND ENDANGERED SPECIES

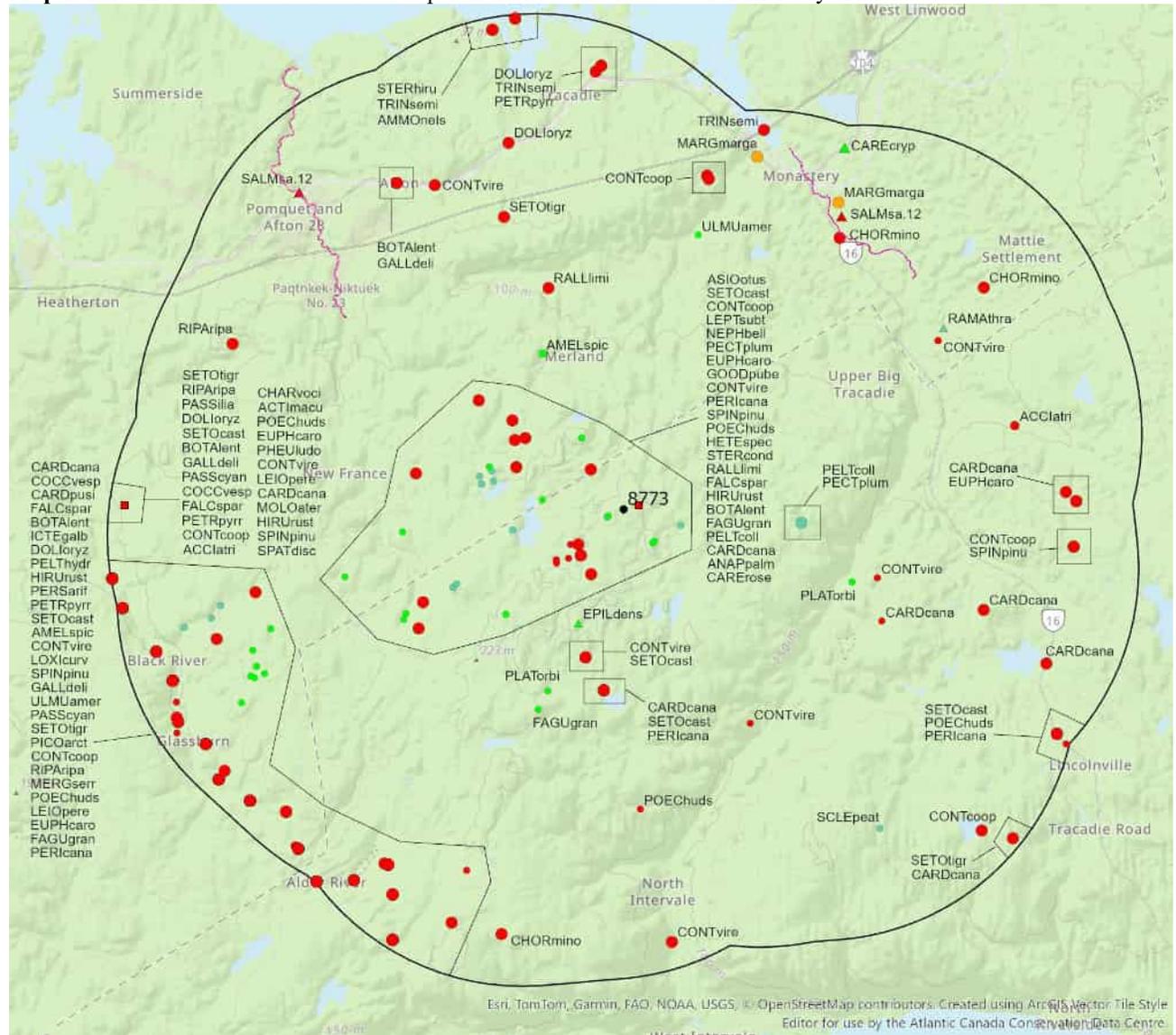
2.1 FLORA

The study area contains 25 records of 9 vascular and 18 records of 10 nonvascular flora (Map 2 and attached: *ob.xls), excluding 'location-sensitive' species.

2.2 FAUNA

The study area contains 374 records of 38 vertebrate and 2 records of 1 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

- 1.0 = Within 10s of metres
- 1.7 = Within 50s of metres
- 2.0 = Within 100s of metres
- △ 2.7 = Within 500s of metres
- △ 3.0 = Within kilometres
- 3.7 = Within 5s of kilometres
- 4.0 = Within 10s of kilometres
- 4.7 = Within 50s of kilometres

Higher taxon

- Vertebrate fauna
- Invertebrate fauna
- Vascular flora
- Nonvascular flora

3.0 SPECIAL AREAS

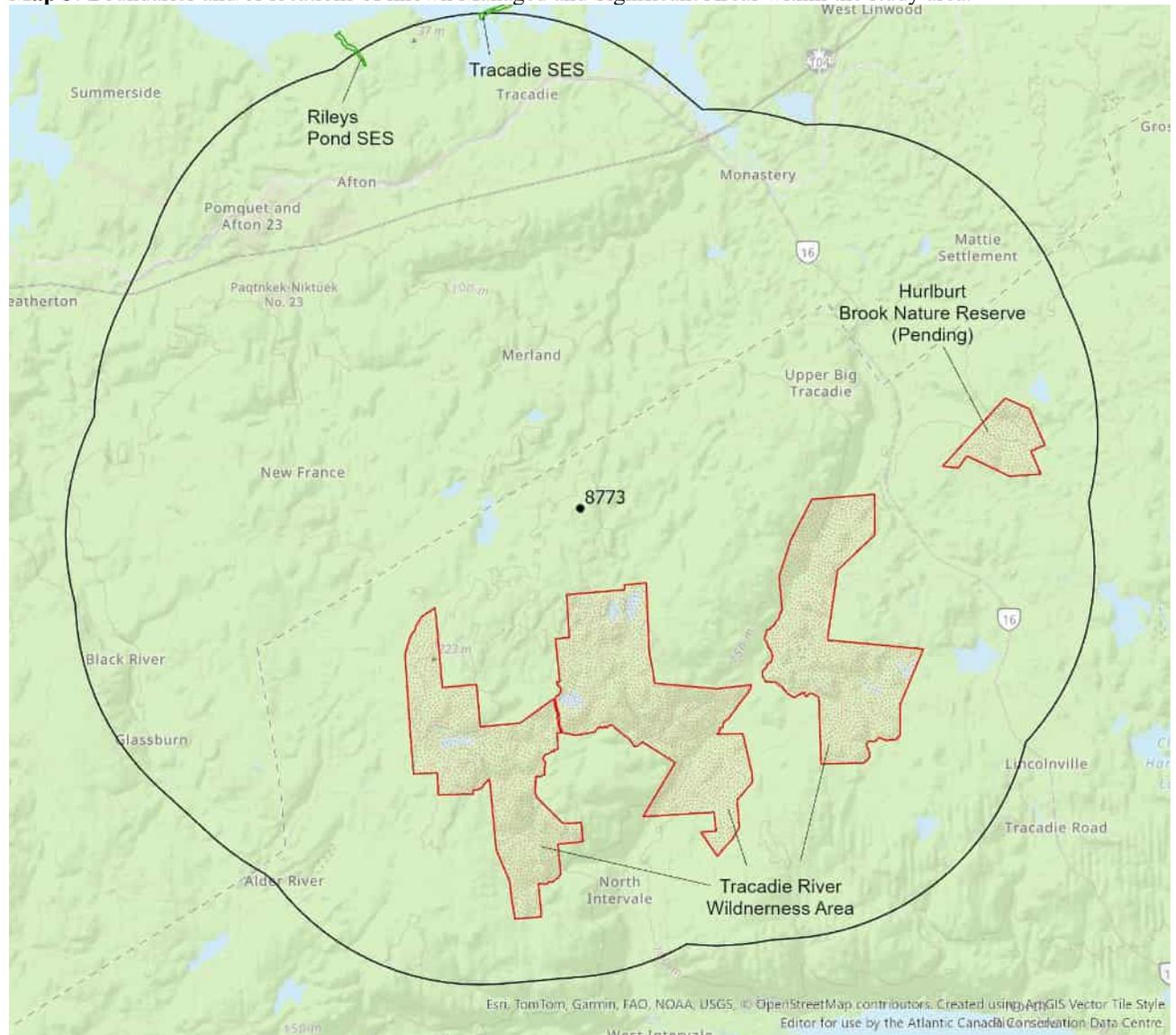
3.1 MANAGED AREAS

The GIS scan identified 2 managed areas in the vicinity of the study area (Map 3 and attached file: *msa.xls).

3.2 SIGNIFICANT AREAS

Significant Areas are sites with a conservation designation and management that qualifies them for listing in the Canadian Protected and Conserved Areas Database (CPCAD; <https://www.canada.ca/en/environment-climate-change/services/national-wildlife-areas/protected-conserved-areas-database.html>). The absence of a “Significant Area” within a site or region does not indicate an absence of ecologically significant properties. The GIS scan identified 2 biologically significant sites in the vicinity of the study area (Map 3 and attached file: *msa.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>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	3	8.0 \pm 0.01
N	<i>Pectenota plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	3	2.8 \pm 0.01
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	1	8.0 \pm 0.01
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	1	7.2 \pm 0.5
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	1	2.2 \pm 0.01
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	1	2.6 \pm 0.01
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	4	1.2 \pm 0.01
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	1	2.9 \pm 0.01
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	1	0.4 \pm 0.01
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	2	3.5 \pm 0.01
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	1	1.6 \pm 0.01
P	<i>Epilobium densum</i>	Downy Willowherb				S3	1	2.4 \pm 0.5
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	1	7.2 \pm 0.01
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	1	8.2 \pm 1.5
P	<i>Carex rosea</i>	Rosy Sedge				S3	1	4.8 \pm 0.01
P	<i>Fagus grandifolia</i>	American Beech				S3S4	14	0.3 \pm 0.01
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	2	3.4 \pm 5.0
P	<i>Ulmus americana</i>	White Elm				S3S4	2	5.5 \pm 0.01
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	2	3.8 \pm 0.01

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	9	10.0 \pm 0.25
A	<i>Salmo salar pop. 12</i>	Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population	Special Concern			S1	2	7.1 \pm 1.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	17	0.3 \pm 7.07
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	18	0.3 \pm 7.07
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	42	0.3 \pm 7.07
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	3	6.7 \pm 0.15
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	88	0.3 \pm 7.07
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	13	10.0 \pm 0.25
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	9	10.0 \pm 0.25
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	22	0.3 \pm 7.07
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	1	9.8 \pm 0.15
A	<i>Ammospiza nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	1	9.7 \pm 0.15
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	2	7.3 \pm 0.15
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	2	9.7 \pm 7.07
A	<i>Asio otus</i>	Long-eared Owl				S2S3	2	0.3 \pm 7.07
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	2	0.3 \pm 7.07
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	3	8.5 \pm 0.2
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	1	9.2 \pm 0.25
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	10	0.3 \pm 7.07
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	16	0.3 \pm 7.07
A	<i>Spinus pinus</i>	Pine Siskin				S3	6	0.3 \pm 7.07

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	2	9.7 ± 7.07
A	<i>Charadrius vociferus</i>	Killdeer				S3B	2	9.7 ± 7.07
A	<i>Tringa semipalmata</i>	Willet				S3B	4	7.9 ± 0.1
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	3	9.7 ± 7.07
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	6	0.3 ± 7.07
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S4S5N,S5M	1	9.4 ± 0.25
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	24	7.7 ± 0.15
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	1	9.2 ± 0.25
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	8	10.0 ± 0.25
A	<i>Accipiter atricapillus</i>	American Goshawk				S3S4	2	7.8 ± 0.05
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	1	9.4 ± 0.25
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	1	9.5 ± 0.25
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	5	0.3 ± 7.07
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	17	0.3 ± 7.07
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	3	9.7 ± 7.07
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	24	10.0 ± 0.25
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	1	9.7 ± 7.07
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	2	7.3 ± 0.1

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>Alces alces americana</i>	Moose – Mainland population		Endangered	No
Fraxinus nigra	Black Ash		Threatened	YES
<i>Emydoidea blandingii</i>	Blanding's Turtle - Nova Scotia pop.	Endangered	Endangered	No
Glyptemys insculpta	Wood Turtle	Threatened	Threatened	YES
<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius pop.		Vulnerable	No
<i>Bat Hibernaculum</i> or bat species occurrence		[Endangered] ¹	[Endangered] ¹	No
<i>Snake hibernaculum</i>		[Threatened] ²	[Threatened] ²	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.

² *Thamnophis sauritus* (Eastern Ribbonsnake) is Threatened under the Federal Species at Risk Act (SARA) and the Nova Scotia Endangered Species Act. Occurrences between October 15 – April 15 are considered location sensitive.

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
179	Pardieck, K.L., Ziolkowski Jr., D.J., Lutmerding, M., Aponte, V.I., and Hudson, M-A.R. 2020. North American Breeding Bird Survey Dataset 1966 - 2019: U.S. Geological Survey data release, https://doi.org/10.5066/P9J6QUF6
137	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
32	Bryson, Ian. 2024. Nova Scotia vascular and non-vascular flora observations Sept 2023-Oct 2024. Fraxinus Environmental & Geomatics, 10882 records.
30	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
13	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
4	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.

# recs	CITATION
4	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
3	Anonymous. 2023. Peltigera Hydrotheria records. Anonymous, 3 recs.
3	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiau.ca/library/Herbarium/project/ . 582 recs.
3	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
2	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
2	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca, Web site: 128634 recs.
2	Pulsifer, M.D. 2002. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 369 recs.
2	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
1	Cameron-MacMillan, Maureen. 2020. Northern Goshawk Nests in Eastern Nova Scotia, as of November, 2020. Nova Scotia Department of Lands and Forestry.
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	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
1	Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.
1	Korol, Burke. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.
1	Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.
1	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
1	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
1	Nova Scotia Department of Lands and Forestry. 2020. NS Lands Proposed or Pending Protection. NSDLF, 231 features. Received via email.

5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 31179 records of 140 vertebrate and 1052 records of 60 invertebrate fauna; 5699 records of 240 vascular and 4950 records of 141 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>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	72	11.4 \pm 0.1	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	28	44.8 \pm 0.01	NS
A	<i>Perimyotis subflavus</i>	Tricolored Bat	Endangered	Endangered	Endangered	S1	2	67.3 \pm 0.01	NS
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	1	94.1 \pm 0.5	NS
A	<i>Salmo salar pop. 4</i>	Atlantic Salmon - Eastern Cape Breton population	Endangered			S1	26	34.3 \pm 0.5	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	32	10.2 \pm 1.0	NS
A	<i>Eubalaena glacialis</i>	North Atlantic Right Whale	Endangered	Endangered		S1	1	81.5 \pm 1.62	NS
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	972	10.8 \pm 0.5	NS
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	100	42.6 \pm 7.07	NS
A	<i>Dermodochelys coriacea pop. 2</i>	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	2	21.0 \pm 0.2	NS
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	7	61.1 \pm 7.07	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	8	39.9 \pm 7.07	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	7922	1.2 \pm 0.1	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1020	10.0 \pm 0.25	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	636	11.2 \pm 0.25	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	11	22.9 \pm 0.5	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	300	11.1 \pm 0.5	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	16	13.8 \pm 0.2	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	2	42.2 \pm 0.15	NS
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	9	11.1 \pm 0.15	NS
A	<i>Salmo salar pop. 12</i>	Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population	Special Concern			S1	27	12.4 \pm 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	3	28.1 ± 7.07	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	13	50.4 ± 0.2	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	246	0.3 ± 7.07	NS
A	<i>Histrionicus histrionicus pop. 1</i>	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2N	46	37.2 ± 16.6	NS
A	<i>Balaenoptera physalus pop. 1</i>	Fin Whale - Atlantic population	Special Concern	Special Concern		S2S3	2	89.7 ± 0.2	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	2	50.2 ± 0.2	NS
A	<i>Morone saxatilis pop. 1</i>	Striped Bass - Southern Gulf of St. Lawrence population	Special Concern			S2S3N	1	22.4 ± 1.0	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	74	15.1 ± 0.2	NS
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	923	0.3 ± 7.07	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	803	0.3 ± 7.07	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	332	10.1 ± 7.07	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	1152	0.3 ± 7.07	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	573	10.0 ± 0.25	NS
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	664	10.0 ± 0.25	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	561	0.3 ± 7.07	NS
A	<i>Phocoena phocoena pop. 1</i>	Harbour Porpoise - Northwest Atlantic Population	Special Concern			S4	21	16.3 ± 0.46	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	11	31.7 ± 1.0	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	16	26.4 ± 0.46	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	7	43.5 ± 0.2	NS
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S1B	4	13.0 ± 0.05	NS
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk		Vulnerable	S1B,SUM	12	20.4 ± 0.15	NS
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S2?B,SUM	7	13.9 ± 7.07	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	37	41.1 ± 1.0	NS
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	2	76.3 ± 0.43	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	16	15.0 ± 0.5	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	692	10.1 ± 7.07	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	28	10.3 ± 7.07	NS
A	<i>Buteo lagopus</i>	Rough-legged Hawk	Not At Risk			S3N	12	13.0 ± 4.7	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	2	21.9 ± 0.2	NS
A	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	142	10.1 ± 7.07	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	36	11.6 ± 0.5	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	145	16.9 ± 0.01	NS
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S1?	7	19.0 ± 0.15	NS
A	<i>Uria aalge</i>	Common Murre				S1?B	1	62.6 ± 0.2	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	25	27.1 ± 0.2	NS
A	<i>Nycticorax nycticorax</i>	Black-crowned Night Heron				S1B	2	28.1 ± 7.07	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	12	26.3 ± 0.2	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	3	88.1 ± 3.42	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	25	14.4 ± 7.07	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	8	10.8 ± 0.15	NS
A	<i>Salmo salar</i>	Atlantic Salmon				S1B,S1N	12	43.2 ± 0.2	NS
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	421	11.1 ± 0.5	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	232	11.1 ± 0.5	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	18	15.7 ± 1.0	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	7	22.1 ± 7.07	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	83	14.3 ± 0.1	NS
A	<i>Pooecetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	9	22.2 ± 7.07	NS
A	<i>Microtus chrotorrhinus</i>	Rock Vole				S2	10	70.4 ± 0.5	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	22	31.4 ± 7.07	NS
A	<i>Alca torda</i>	Razorbill				S2B	26	20.6 ± 0.2	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	9	50.6 ± 0.34	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	5	22.1 ± 7.07	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	76	19.7 ± 7.07	NS
A	<i>Somateria mollissima</i>	Common Eider				S2B,S2N,S4M	670	20.5 ± 6.1	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	10	25.2 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	18	14.0 ± 7.07	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	12	39.2 ± 0.15	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	208	15.5 ± 1.23	NS
A	<i>Martes americana</i>	American Marten			Endangered	S2S3	9	67.4 ± 0.01	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	27	0.3 ± 7.07	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	11	0.3 ± 7.07	NS
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	28	20.5 ± 0.2	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	203	11.7 ± 0.25	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	360	22.1 ± 0.2	NS
A	<i>Morone saxatilis</i>	Striped Bass				S2S3B,S2S3N	9	14.2 ± 0.2	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	13	29.5 ± 0.4	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	31	24.3 ± 0.2	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	69	22.1 ± 7.07	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	31	22.9 ± 0.5	NS
A	<i>Numenius phaeopus hudsonicus</i>	Whimbrel				S2S3M	97	22.9 ± 0.5	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	1	50.5 ± 0.36	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	630	0.3 ± 7.07	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	1221	0.3 ± 7.07	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	480	0.3 ± 7.07	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	77	12.8 ± 0.2	NS
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	1	88.1 ± 0.5	NS
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3	4	70.4 ± 0.5	NS
A	<i>Pekania pennanti</i>	Fisher				S3	9	12.1 ± 0.01	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	7	25.4 ± 0.2	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	122	14.0 ± 7.07	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	267	10.2 ± 0.25	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	731	10.0 ± 0.15	NS
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	116	100.0 ± 0.5	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	63	10.3 ± 0.25	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	119	10.3 ± 7.07	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	406	10.1 ± 7.07	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	32	11.4 ± 0.2	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	437	11.1 ± 0.5	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	341	0.3 ± 7.07	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S4S5N,S5M	247	11.1 ± 0.25	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	627	10.1 ± 7.07	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	162	14.4 ± 7.07	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	153	11.1 ± 0.25	NS
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	140	10.3 ± 7.07	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	203	10.0 ± 0.25	NS
A	<i>Branta bernicla</i>	Brant				S3M	3	37.2 ± 16.6	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	280	11.1 ± 0.5	NS
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	171	11.1 ± 0.5	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	322	11.1 ± 0.5	NS
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	39	25.0 ± 0.5	NS
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	74	24.0 ± 0.2	NS
A	<i>Podiceps auritus pop. 2</i>	Horned Grebe - Western population		Special Concern		S3N,SUM	28	24.1 ± 0.2	NS
A	<i>Accipiter atricapillus</i>	American Goshawk				S3S4	126	14.0 ± 7.07	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	123	13.9 ± 7.07	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	116	13.5 ± 0.01	NS
A	<i>Sorex albibarbis</i>	Eastern Water Shrew				S3S4	1	93.0 ± 0.1	PE
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	248	0.3 ± 7.07	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	482	0.3 ± 7.07	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	837	10.1 ± 0.25	NS
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	462	10.0 ± 0.25	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	148	10.3 ± 7.07	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	36	27.3 ± 10.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Lanius borealis</i>	Northern Shrike				S3S4N	15	29.6 ± 0.2	NS
A	<i>Bucephala clangula</i>	Common Goldeneye				S4B,S4N,S5M	266	10.8 ± 0.2	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	173	15.7 ± 0.2	NS
A	<i>Aythya americana</i>	Redhead				SHB	17	26.3 ± 0.2	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	3	43.9 ± 0.25	NS
A	<i>Progne subis</i>	Purple Martin				SHB	5	50.6 ± 0.34	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	10	43.4 ± 0.53	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	7	24.9 ± 5.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Endangered	Endangered	S2?B,S3M	205	17.9 ± 0.01	NS
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	9	21.0 ± 0.1	NS
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	331	23.6 ± 0.5	NS
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern	Special Concern	Endangered	SH	4	62.7 ± 2.5	NS
I	<i>Papilio brevicauda bretonensis</i>	Short-tailed Swallowtail				S1	4	92.2 ± 2.5	NS
I	<i>Polygonia satyrus</i>	Satyr Comma				S1?	1	88.4 ± 2.5	NS
I	<i>Euphyes bimacula</i>	Two-spotted Skipper				S1S2	2	33.1 ± 0.1	NS
I	<i>Boloria chariclea grandis</i>	Purple Lesser Fritillary				S1S2	2	96.4 ± 2.5	NS
I	<i>Haematopota rara</i>	Shy Cleg				S1S3	1	75.0 ± 0.05	NS
I	<i>Tharsalea dorcas</i>	Dorcas Copper				S2	36	53.2 ± 0.01	NS
I	<i>Tharsalea dospassosi</i>	Maritime Copper				S2	13	59.8 ± 0.05	NS
I	<i>Satyrium acadica</i>	Acadian Hairstreak				S2	5	84.0 ± 2.5	NS
I	<i>Neurocordulia michaeli</i>	Broad-tailed Shadowdragon				S2	26	45.7 ± 0.05	NS
I	<i>Somatochlora septentrionalis</i>	Muskeg Emerald				S2	1	90.7 ± 0.05	NS
I	<i>Coenagrion resolutum</i>	Taiga Bluet				S2	9	89.3 ± 0.5	PE
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	104	7.3 ± 0.1	NS
I	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	3	45.1 ± 0.01	NS
I	<i>Nymphalis l-album j-album</i>	Compton Tortoiseshell				S2S3	3	74.5 ± 0.2	NS
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	3	78.6 ± 2.5	NS
I	<i>Lanthus vernalis</i>	Southern Pygmy Clubtail				S2S3	8	29.4 ± 0.2	NS
I	<i>Somatochlora williamsoni</i>	Williamson's Emerald				S2S3	7	97.3 ± 0.05	NS
I	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	5	26.8 ± 0.55	NS
I	<i>Sphaeroderus nitidicollis</i>	Polished Snail-eating Beetle				S3	1	18.4 ± 0.2	NS
I	<i>Astyleiopus variegatus</i>	Variiegated Long-horned Beetle				S3	1	99.2 ± 0.2	NS
I	<i>Psephenus herricki</i>	Herrick's Water Penny Beetle				S3	1	33.0 ± 0.2	NS
I	<i>Platydracus fossator</i>	Digging Rove Beetle				S3	2	49.8 ± 0.2	NS
I	<i>Chrysochus auratus</i>	Dogbane Leaf Beetle				S3	1	49.8 ± 0.2	NS
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	3	27.6 ± 0.54	NS
I	<i>Tachyerges ephippiatus</i>	Caparison Weevil				S3	1	49.8 ± 0.2	NS
I	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	2	35.4 ± 0.2	NS
I	<i>Ipthiminius opacus</i>	Cloudy Darkling Beetle				S3	2	54.0 ± 0.01	NS
I	<i>Monochamus marmorator</i>	Balsam Fir Sawyer				S3	2	50.9 ± 0.2	NS
I	<i>Satyrium calanus falacer</i>	Falacer Hairstreak				S3	1	77.1 ± 2.5	NS
I	<i>Callophrys lanoraieensis</i>	Bog Elfin				S3	3	66.1 ± 0.2	NS
I	<i>Strymon melinus</i>	Gray Hairstreak				S3	2	55.2 ± 0.1	NS
I	<i>Phanogomphus descriptus</i>	Harpoon Clubtail				S3	16	36.6 ± 0.05	NS
I	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	5	36.6 ± 0.05	NS
I	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	14	38.1 ± 0.1	NS
I	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S3	36	45.7 ± 0.05	NS
I	<i>Somatochlora forcipata</i>	Forcipate Emerald				S3	6	86.0 ± 1.0	NS
I	<i>Enallagma vernale</i>	Vernal Bluet				S3	5	30.0 ± 0.05	NS
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	24	19.4 ± 0.01	NS
I	<i>Cecropterus pylades</i>	Northern Cloudywing				S3S4	25	12.7 ± 0.01	NS
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	9	43.2 ± 0.68	NS
I	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	1	83.6 ± 0.1	NS
I	<i>Argynnis aphrodite winni</i>	Aphrodite Fritillary				S3S4	7	25.1 ± 2.5	NS
I	<i>Polygonia faunus</i>	Green Comma				S3S4	13	24.5 ± 0.05	NS
I	<i>Oeneis jutta ascerta</i>	Jutta Arctic				S3S4	12	38.5 ± 0.01	NS
I	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	3	25.6 ± 0.05	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	8	83.8 ± 1.0	NS
I	<i>Boyeria graefiana</i>	Ocellated Darner				S3S4	9	27.2 ± 0.2	NS
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	4	26.7 ± 0.05	NS
I	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	1	98.3 ± 1.0	PE
I	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	11	16.4 ± 0.01	NS
I	<i>Nannothermis bella</i>	Elfin Skimmer				S3S4	7	26.7 ± 0.05	NS
I	<i>Sympetrum danae</i>	Black Meadowhawk				S3S4	7	25.1 ± 0.1	NS
I	<i>Amphiagrion saucium</i>	Eastern Red Damsel				S3S4	15	54.1 ± 0.05	NS
I	<i>Icaricia saepiolus amica</i>	Greenish Blue				SH	1	77.4 ± 2.5	NS
I	<i>Polygonia gracilis</i>	Hoary Comma				SH	2	78.6 ± 2.5	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	17	66.0 ± 0.5	NS
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	587	26.5 ± 0.01	NS
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	37	8.0 ± 0.01	NS
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	290	45.5 ± 0.01	NS
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	12	54.5 ± 1.0	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	6	36.0 ± 0.01	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen	Threatened			S3	7	42.4 ± 0.01	NS
N	<i>Pectenia plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	1017	2.8 ± 0.01	NS
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	28	8.0 ± 0.01	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	7	30.2 ± 0.05	NS
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	6	14.1 ± 0.01	NS
N	<i>Chaenotheca servitii</i>	Flexuous Golden Stubble	Data Deficient			S1	1	86.5 ± 1.0	NS
N	<i>Cinclidium stygium</i>	Sooty Cupola Moss				S1	2	57.1 ± 0.01	NS
N	<i>Cyrto-hypnum minutulum</i>	Tiny Cedar Moss				S1	1	86.5 ± 0.01	NS
N	<i>Usnea perplexans</i>	Powdered Beard Lichen				S1	1	95.6 ± 1.0	NS
N	<i>Cladonia brevis</i>	Short Peg Lichen				S1	3	75.7 ± 0.0	NS
N	<i>Lathagrium cristatum</i>	Fingered Jelly Lichen				S1	3	75.6 ± 0.05	NS
N	<i>Scytinium schraderi</i>	Wrinkled Jellyskin Lichen				S1	1	72.7 ± 1.0	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns Woollybear Lichen				S1	4	27.0 ± 0.05	NS
N	<i>Sticta limbata</i>	Powdered Moon Lichen				S1	5	35.5 ± 0.01	NS
N	<i>Peltigera lepidophora</i>	Scaly Pelt Lichen				S1	2	75.7 ± 0.01	NS
N	<i>Hypogymnia hultenii</i>	Powdered Honeycomb Lichen				S1	17	43.0 ± 0.5	NS
N	<i>Jubula pennsylvanica</i>	a liverwort				S1?	3	45.8 ± 0.2	NS
N	<i>Eocalypogeia schusteriana</i>	Schuster's Pouchwort				S1?	2	99.3 ± 0.01	NS
N	<i>Brachythecium erythrorrhizon</i>	Taiga Ragged Moss				S1?	4	99.4 ± 0.01	NS
N	<i>Conardia compacta</i>	Coast Creeping Moss				S1?	1	63.5 ± 2.0	NS
N	<i>Oligotrichum hercynicum</i>	Hercynian Hair Moss				S1?	3	84.8 ± 0.01	NS
N	<i>Paludella squarrosa</i>	Tufted Fen Moss				S1?	1	93.8 ± 5.0	NS
N	<i>Lathagrium undulatum</i> var. <i>granulosum</i>	Granular Jelly Flakes Lichen				S1?	1	76.4 ± 1.0	NS
N	<i>Scytinium intermedium</i>	Forty-five Jellyskin Lichen				S1?	3	25.9 ± 4.0	NS
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen				S1?	1	44.9 ± 0.01	NS
N	<i>Buxbaumia minakatae</i>	Hump-Backed Elves				S1S2	1	98.4 ± 100.0	NS
N	<i>Hamatocaulis vernicosus</i>	a Moss				S1S2	1	58.3 ± 0.01	NS
N	<i>Enchylium bachmanianum</i>	Bachman's Jelly Lichen				S1S2	2	78.3 ± 1.0	NS
N	<i>Placidium squamulosum</i>	Limy Soil Stipplescale Lichen				S1S2	1	75.6 ± 4.0	NS
N	<i>Cladonia labradorica</i>	Labrador Lichen				S1S2	1	29.5 ± 0.05	NS
N	<i>Peltigera ponojensis</i>	Pale-bellied Pelt Lichen				S1S2	1	86.7 ± 0.5	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	1	26.9 ± 0.5	NS
N	<i>Solorina spongiosa</i>	Fringed Chocolate Chip Lichen				S1S2	11	31.2 ± 0.2	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	31	26.9 ± 0.5	NS
N	<i>Barbilophozia lycopodioides</i>	Greater Pawwort				S1S3	1	83.8 ± 0.01	NS
N	<i>Odontoschisma sphagni</i>	Bog-Moss Flapwort				S1S3	1	99.1 ± 0.01	NS
N	<i>Peltigera neckeri</i>	Black-saddle Pelt Lichen				S1S3	5	27.2 ± 0.3	NS
N	<i>Anacamptodon splachnoides</i>	a Moss				S2	2	15.2 ± 0.2	NS
N	<i>Scorpidium scorpioides</i>	Hooked Scorpion Moss				S2	13	51.9 ± 0.01	NS

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N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S2	4	55.0 ± 0.01	NS
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2	2	78.5 ± 0.01	NS
N	<i>Scorpidium cossonii</i>	Cosson's Hook Moss				S2	6	55.2 ± 0.01	NS
N	<i>Scytinium imbricatum</i>	Scaly Jellyskin Lichen				S2	1	72.1 ± 0.05	NS
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2	3	82.3 ± 0.5	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	2	13.2 ± 0.5	NS
N	<i>Moerckia flotoviana</i>	Flotow's Ruffwort				S2?	2	99.3 ± 0.01	NS
N	<i>Riccardia multifida</i>	Delicate Germanderwort				S2?	2	50.9 ± 0.2	NS
N	<i>Anomodon viticulosus</i>	a Moss				S2?	2	62.7 ± 1.0	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	1	27.8 ± 3.0	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	3	76.0 ± 0.01	NS
N	<i>Pseudocampyllum radicale</i>	Long-stalked Fine Wet Moss				S2?	1	51.9 ± 0.01	NS
N	<i>Dicranum condensatum</i>	Condensed Broom Moss				S2?	2	98.5 ± 0.01	PE
N	<i>Fontinalis sullivantii</i>	Sullivant's Water Moss				S2?	1	98.4 ± 100.0	NS
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2?	5	25.9 ± 0.01	NS
N	<i>Tortella fragilis</i>	Fragile Twisted Moss				S2?	8	70.4 ± 0.01	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	1	99.8 ± 0.01	NS
N	<i>Platylomella lescurii</i>	a Moss				S2?	1	89.4 ± 0.2	NS
N	<i>Scorpidium revolvens</i>	Limprichtia Moss				S2S3	8	54.7 ± 0.01	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	42	23.4 ± 0.01	NS
N	<i>Moelleropsis nebulosa ssp. frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	1	69.3 ± 0.5	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	11	7.2 ± 0.5	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	287	33.8 ± 0.2	NS
N	<i>Usnea hirta</i>	Bristly Beard Lichen				S2S3	1	82.5 ± 0.2	NS
N	<i>Usnea scabrata</i>	Straw Beard Lichen				S2S3	1	99.4 ± 1.0	PE
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	3	40.9 ± 0.01	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	5	61.9 ± 6.33	NS
N	<i>Cetraria muricata</i>	Spiny Heath Lichen				S2S3	3	38.7 ± 1.7	NS
N	<i>Cladonia incrassata</i>	Powder-foot British Soldiers Lichen				S2S3	1	67.3 ± 0.05	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	17	25.6 ± 0.01	NS
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	28	40.1 ± 0.01	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	5	43.0 ± 0.5	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	49.8 ± 0.5	NS
N	<i>Fuscopannaria soorediata</i>	a Lichen				S2S3	20	26.4 ± 0.03	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	24	2.2 ± 0.01	NS
N	<i>Hypotrachyna revoluta</i>	Granulating Loop Lichen				S2S3	1	40.9 ± 0.01	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup Lichen				S2S3	3	46.9 ± 0.01	NS
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S2S3	1	99.2 ± 0.2	PE
N	<i>Usnea flammea</i>	Coastal Bushy Beard Lichen				S2S3	3	45.1 ± 0.01	NS
N	<i>Ephemerum serratum</i>	a Moss				S3	1	99.2 ± 3.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	4	62.7 ± 0.01	NS
N	<i>Anomodon tristis</i>	a Moss				S3	1	76.3 ± 0.01	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	7	51.2 ± 0.01	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	3	20.9 ± 0.01	NS
N	<i>Tetraplodon mnioides</i>	Entire-leaved Nitrogen Moss				S3	1	57.4 ± 0.01	NS
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3	4	46.3 ± 0.5	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	4	80.4 ± 0.01	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	13	23.3 ± 0.05	NS
N	<i>Fuscopannaria ahlneri</i>	Roughened Shingle Lichen				S3	142	23.1 ± 0.01	NS
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	19	21.4 ± 0.01	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	1	44.2 ± 0.01	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	11	2.6 ± 0.01	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	1	73.6 ± 10.0	NS
N	<i>Platismatia norvegica</i>	Oldgrowth Rag Lichen				S3	144	25.2 ± 0.01	NS
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	1	50.7 ± 0.01	NS
N	<i>Viridothelium virens</i>	a lichen				S3	1	89.7 ± 5.0	NS
N	<i>Ephebe lanata</i>	Waterside Rockshag Lichen				S3	3	19.4 ± 0.01	NS

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N	<i>Phaeophyscia adiantola</i>	Powder-tipped Shadow Lichen				S3	2	91.4 ± 0.01	PE
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	9	41.4 ± 0.2	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	247	1.2 ± 0.01	NS
N	<i>Cladonia pocillum</i>	Rosette Pixie-cup Lichen				S3	1	99.3 ± 0.01	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	1	97.6 ± 0.01	PE
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S3?	4	72.8 ± 0.01	NS
N	<i>Mnium stellare</i>	Star Leafy Moss				S3?	2	99.4 ± 0.01	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S3?	4	49.3 ± 0.01	NS
N	<i>Sphagnum riparium</i>	Streamside Peat Moss				S3?	3	27.3 ± 0.01	NS
N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	29	33.6 ± 0.01	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	47.6 ± 0.01	NS
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	1	20.8 ± 2.5	NS
N	<i>Encalypta procera</i>	Slender Extinguisher Moss				S3S4	14	24.5 ± 0.01	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	2	74.2 ± 0.01	NS
N	<i>Thamnobryum alleghaniense</i>	a Moss				S3S4	25	92.7 ± 0.01	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	1	51.1 ± 3.0	NS
N	<i>Hylocomiastrum pyrenaicum</i>	a Feather Moss				S3S4	1	80.3 ± 3.0	NS
N	<i>Bryoria pseudofuscescens</i>	Mountain Horsehair Lichen				S3S4	9	94.4 ± 0.2	PE
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	11	25.9 ± 4.0	NS
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3S4	33	27.5 ± 0.01	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	55	28.7 ± 0.01	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	5	26.0 ± 0.01	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	74	33.6 ± 0.01	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	20	2.9 ± 0.01	NS
N	<i>Chaenotheca brachypoda</i>	a stubble lichen				S3S4	1	85.8 ± 1.17	NS
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	5	28.7 ± 0.01	NS
N	<i>Vahlia leucophaea</i>	Shelter Shingle Lichen				S3S4	27	42.6 ± 0.2	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	57	0.4 ± 0.01	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	37	28.2 ± 0.01	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	3	60.1 ± 0.2	NS
N	<i>Parmeliopsis hyperopta</i>	Gray Starburst Lichen				S3S4	4	43.0 ± 0.5	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	1	70.2 ± 0.01	NS
N	<i>Peltigera hymenina</i>	Cloudy Pelt Lichen				S3S4	2	38.5 ± 0.5	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	10	33.8 ± 0.01	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	868	22.2 ± 0.5	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	2	73.6 ± 3.5	NS
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	249	3.5 ± 0.01	NS
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	10	20.7 ± 0.5	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	101	22.6 ± 0.01	NS
P	<i>Fraxinus nigra</i>	Black Ash	Threatened		Threatened	S1S2	452	0.4 ± 0.01	NS
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Threatened	Threatened	Vulnerable	S2	2	99.7 ± 0.2	NS
P	<i>Juncus caesariensis</i>	New Jersey Rush	Special Concern	Special Concern	Vulnerable	S3	123	73.1 ± 0.1	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2S3	25	12.4 ± 1.0	NS
P	<i>Salix candida</i>	Sage Willow			Endangered	S1	56	71.2 ± 0.01	NS
P	<i>Arnica lonchophylla</i>	Northern Arnica				S1	1	51.3 ± 7.07	NS
P	<i>Betula minor</i>	Dwarf White Birch				S1	1	50.6 ± 0.01	NS
P	<i>Cardamine dentata</i>	Toothed Bittercress				S1	3	51.3 ± 0.5	NS
P	<i>Cochlearia tridactylites</i>	Limestone Scurvy-grass				S1	12	47.6 ± 0.1	NS
P	<i>Stellaria crassifolia</i>	Fleshy Stitchwort				S1	2	58.7 ± 2.0	NS
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S1	18	15.9 ± 1.7	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	1	97.6 ± 0.35	PE
P	<i>Bistorta vivipara</i>	Alpine Bistort				S1	1	61.3 ± 1.0	NS
P	<i>Montia fontana</i>	Water Blinks				S1	2	24.5 ± 3.0	NS
P	<i>Agalinis tenuifolia</i>	Slender Agalinis				S1	1	64.7 ± 0.01	NS
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S1	2	18.0 ± 1.5	NS
P	<i>Carex alopecoidea</i>	Foxtail Sedge				S1	4	13.8 ± 0.2	NS
P	<i>Carex granularis</i>	Limestone Meadow Sedge				S1	21	52.9 ± 0.01	NS
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	2	98.1 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Carex tenuiflora</i>	Sparse-Flowered Sedge				S1	2	73.0 ± 0.5	NS
P	<i>Carex tinctoria</i>	Tinged Sedge				S1	2	13.8 ± 0.2	NS
P	<i>Carex viridula</i> ssp. <i>brachyrrhyncha</i>	Greenish Sedge				S1	1	69.8 ± 0.01	NS
P	<i>Carex viridula</i> var. <i>elatior</i>	Greenish Sedge				S1	59	51.1 ± 0.01	NS
P	<i>Carex grisea</i>	Inflated Narrow-leaved Sedge				S1	6	20.7 ± 0.01	NS
P	<i>Cyperus lupulinus</i> ssp. <i>macilentus</i>	Hop Flatsedge				S1	18	15.1 ± 0.01	NS
P	<i>Eleocharis erythropoda</i>	Red-stemmed Spikerush				S1	2	63.1 ± 0.01	NS
P	<i>Rhynchospora capillacea</i>	Slender Beakrush				S1	8	66.2 ± 1.0	NS
P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	3	69.8 ± 0.01	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	3	40.2 ± 1.5	NS
P	<i>Triantha glutinosa</i>	Sticky False-Asphodel				S1	18	71.2 ± 0.01	NS
P	<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	North American White Adder's-mouth				S1	1	10.3 ± 7.07	NS
P	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	Slim-stemmed Reed Grass				S1	3	45.2 ± 0.01	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	1	74.0 ± 1.6	NS
P	<i>Potamogeton nodosus</i>	Long-leaved Pondweed				S1	1	66.7 ± 5.0	NS
P	<i>Sparganium androcladum</i>	Branching Bur-Reed				S1	3	56.6 ± 1.0	NS
P	<i>Dryopteris goldieana</i>	Goldie's Woodfern				S1	4	93.3 ± 0.2	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	8	57.0 ± 0.01	NS
P	<i>Botrychium ascendens</i>	Upswept Moonwort				S1	1	61.0 ± 0.2	NS
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	1	80.3 ± 7.07	NS
P	<i>Bolboschoenus robustus</i>	Sturdy Bulrush				S1?	2	93.0 ± 5.0	NS
P	<i>Allium schoenoprasum</i>	Wild Chives				S1?	2	82.1 ± 0.2	NS
P	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives				S1?	1	50.3 ± 7.07	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	11	47.1 ± 0.5	NS
P	<i>Ageratina altissima</i>	White Snakeroot				S1S2	2	22.1 ± 7.07	NS
P	<i>Cornus suecica</i>	Swedish Bunchberry				S1S2	2	59.4 ± 6.0	NS
P	<i>Anemone virginiana</i> var. <i>alba</i>	Virginia Anemone				S1S2	6	59.7 ± 0.1	NS
P	<i>Parnassia parviflora</i>	Small-flowered Grass-of-Parnassus				S1S2	12	46.0 ± 1.5	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	3	43.1 ± 5.0	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	7	29.8 ± 0.2	NS
P	<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	Slim-stemmed Reed Grass				S1S2	1	94.0 ± 1.0	NS
P	<i>Selaginella selaginoides</i>	Low Spikemoss				S1S2	5	69.0 ± 0.8	NS
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	4	13.8 ± 0.5	NS
P	<i>Zizia aurea</i>	Golden Alexanders				S2	8	13.4 ± 5.0	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	2	22.1 ± 7.07	NS
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	14	98.4 ± 0.01	PE
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	10	78.4 ± 0.01	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	3	16.4 ± 1.0	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S2	1	89.7 ± 7.07	NS
P	<i>Comandra umbellata</i>	Bastard's Toadflax				S2	44	14.6 ± 0.2	NS
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	15	53.0 ± 0.01	NS
P	<i>Carex pellita</i>	Woolly Sedge				S2	7	78.3 ± 0.01	NS
P	<i>Carex livida</i>	Livid Sedge				S2	23	17.8 ± 0.01	NS
P	<i>Juncus greenii</i>	Greene's Rush				S2	1	16.0 ± 1.5	NS
P	<i>Juncus alpinoarticulatus</i> ssp. <i>americanus</i>	Northern Green Rush				S2	11	48.7 ± 5.0	NS
P	<i>Luzula spicata</i>	Spiked Woodrush				S2	1	20.9 ± 0.01	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	62	11.2 ± 1.6	NS
P	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper				S2	37	20.8 ± 0.2	NS
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	14	13.7 ± 0.01	NS

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P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	393	17.2 ± 0.01	NS
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid				S2	2	16.7 ± 1.5	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	6	13.4 ± 1.67	NS
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S2	11	33.9 ± 0.01	NS
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	24	34.0 ± 0.01	NS
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S2	12	34.9 ± 0.01	NS
P	<i>Sparganium hyperboreum</i>	Northern Burreed				S2	4	43.0 ± 0.1	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	17	61.1 ± 0.3	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	9	14.0 ± 7.07	NS
P	<i>Rumex persicarioides</i>	Peach-leaved Dock				S2?	1	82.4 ± 0.01	NS
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	2	41.0 ± 7.07	NS
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	22	27.5 ± 0.2	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	22	22.1 ± 0.01	NS
P	<i>Bidens hyperborea</i>	Estuary Beggarticks				S2S3	2	22.9 ± 1.0	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	14	31.4 ± 7.07	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	26	28.0 ± 7.07	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	37	21.3 ± 0.01	NS
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S2S3	3	63.7 ± 1.6	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	6	64.9 ± 0.1	NS
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2S3	6	28.1 ± 7.07	NS
P	<i>Hypericum majus</i>	Large St John's-wort				S2S3	6	75.9 ± 0.01	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	1	24.3 ± 1.0	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	2	57.1 ± 3.0	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	18	15.1 ± 0.2	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	4	14.4 ± 7.07	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	2	41.9 ± 5.0	NS
P	<i>Oenothera fruticosa</i> ssp. <i>tetragona</i>	Narrow-leaved Evening Primrose				S2S3	2	82.2 ± 7.07	NS
P	<i>Polygonum aviculare</i> ssp. <i>buxiforme</i>	Box Knotweed				S2S3	1	76.8 ± 0.2	NS
P	<i>Polygonum oxyspermum</i> ssp. <i>raii</i>	Ray's Knotweed				S2S3	10	24.5 ± 1.0	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	6	35.7 ± 6.0	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	16	45.9 ± 0.01	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	31	29.9 ± 0.01	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	2	42.3 ± 1.0	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	1	38.2 ± 2.6	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	5	22.6 ± 1.6	NS
P	<i>Tiarella stolonifera</i>	Stoloniferous Foamflower				S2S3	2	33.3 ± 3.81	NS
P	<i>Agalinis purpurea</i> var. <i>parviflora</i>	Small-flowered Purple False Foxglove				S2S3	11	37.9 ± 0.2	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	3	44.0 ± 0.01	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	2	85.3 ± 1.5	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	33	14.1 ± 0.5	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	1	21.9 ± 0.01	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	9	34.8 ± 0.01	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	1	36.4 ± 0.01	NS
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	1	1.6 ± 0.01	NS
P	<i>Spiranthes casei</i> var. <i>novaescotiae</i>	Case's Ladies'-Tresses				S2S3	3	37.2 ± 0.2	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	33	41.4 ± 1.65	NS
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S2S3	1	55.4 ± 0.01	NS
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	9	35.5 ± 0.01	NS
P	<i>Cystopteris laurentiana</i>	Laurentian Bladder Fern				S2S3	6	63.9 ± 1.5	NS
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S2S3	6	63.9 ± 0.1	NS
P	<i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	8	47.5 ± 3.0	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	3	41.7 ± 1.0	NS
P	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica				S3	29	33.3 ± 0.01	NS

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P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	1	96.9 ± 5.0	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	18	22.9 ± 1.0	NS
P	<i>Symphotrichum boreale</i>	Boreal Aster				S3	68	51.1 ± 0.01	NS
P	<i>Symphotrichum ciliolatum</i>	Fringed Blue Aster				S3	3	19.2 ± 0.01	NS
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	19	41.2 ± 0.01	NS
P	<i>Betula pumila</i>	Bog Birch				S3	12	51.3 ± 0.01	NS
P	<i>Palustricodon aparinoides</i>	Marsh Bellflower				S3	12	42.4 ± 0.5	NS
P	<i>Lobelia kalmii</i>	Brook Lobelia				S3	95	49.6 ± 0.01	NS
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S3	3	56.8 ± 5.0	NS
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S3	1	34.9 ± 0.01	NS
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	212	11.2 ± 0.2	NS
P	<i>Crassula aquatica</i>	Water Pygmyweed				S3	2	61.1 ± 7.07	NS
P	<i>Empetrum eamesii</i>	Pink Crowberry				S3	8	94.7 ± 0.01	NS
P	<i>Halenia deflexa</i>	Spurred Gentian				S3	23	28.4 ± 0.01	NS
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	1	37.0 ± 0.2	NS
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	5	51.2 ± 0.01	NS
P	<i>Utricularia resupinata</i>	Inverted Bladderwort				S3	1	85.2 ± 0.8	NS
P	<i>Epilobium densum</i>	Downy Willowherb				S3	22	2.4 ± 0.5	NS
P	<i>Polygala sanguinea</i>	Blood Milkwort				S3	15	31.8 ± 0.01	NS
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	13	7.2 ± 0.01	NS
P	<i>Plantago rugelii</i>	Rugel's Plantain				S3	2	64.7 ± 0.01	NS
P	<i>Samolus parviflorus</i>	Seaside Brookweed				S3	23	20.9 ± 0.01	NS
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	6	64.6 ± 2.0	NS
P	<i>Anemone virginiana</i>	Virginia Anemone				S3	31	21.4 ± 0.01	NS
P	<i>Galium kamtschaticum</i>	Northern Wild Licorice				S3	10	59.9 ± 0.2	NS
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S3	92	49.3 ± 0.02	NS
P	<i>Salix pedicellaris</i>	Bog Willow				S3	13	50.3 ± 0.01	NS
P	<i>Salix sericea</i>	Silky Willow				S3	1	92.1 ± 0.01	NS
P	<i>Saxifraga paniculata</i> ssp. <i>laestadii</i>	Laestadius' Saxifrage				S3	5	58.5 ± 7.07	NS
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimpernel				S3	11	32.7 ± 0.01	NS
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	22	22.0 ± 0.01	NS
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	3	60.7 ± 6.0	NS
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	11	36.0 ± 0.01	NS
P	<i>Carex bebbii</i>	Bebb's Sedge				S3	37	19.7 ± 7.07	NS
P	<i>Carex castanea</i>	Chestnut Sedge				S3	15	53.7 ± 0.01	NS
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	13	8.2 ± 1.5	NS
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	123	22.7 ± 5.0	NS
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S3	22	22.1 ± 0.01	NS
P	<i>Carex lupulina</i>	Hop Sedge				S3	14	25.9 ± 0.01	NS
P	<i>Carex rosea</i>	Rosy Sedge				S3	10	4.8 ± 0.01	NS
P	<i>Carex tenera</i>	Tender Sedge				S3	5	13.0 ± 1.0	NS
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	14	23.4 ± 0.01	NS
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	3	90.7 ± 0.05	NS
P	<i>Carex atratiformis</i>	Scabrous Black Sedge				S3	2	64.1 ± 1.0	NS
P	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	Bright-green Spikerush				S3	3	25.4 ± 0.1	NS
P	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush				S3	29	51.5 ± 0.01	NS
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S3	8	44.5 ± 1.0	NS
P	<i>Schoenoplectus americanus</i>	Olney's Bulrush				S3	1	20.9 ± 0.01	NS
P	<i>Juncus stygius</i> ssp. <i>americanus</i>	Moor Rush				S3	29	68.8 ± 1.0	NS
P	<i>Oreojuncus trifidus</i>	Highland Rush				S3	2	72.6 ± 0.75	NS
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S3	119	12.7 ± 0.01	NS
P	<i>Goodyera oblongifolia</i>	Menzies' Rattlesnake-plantain				S3	5	85.6 ± 10.0	NS
P	<i>Neottia bifolia</i>	Southern Twayblade				S3	56	24.3 ± 0.01	NS
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	93	12.7 ± 1.0	NS
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	3	21.1 ± 0.1	NS
P	<i>Dichantherium linearifolium</i>	Narrow-leaved Panic Grass				S3	1	79.7 ± 7.07	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Poa glauca</i>	Glaucous Blue Grass				S3	9	63.8 ± 1.6	NS
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed				S3	40	35.3 ± 0.01	NS
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	15	28.0 ± 10.0	NS
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	9	35.4 ± 0.01	NS
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S3	9	71.4 ± 0.2	NS
P	<i>Asplenium viride</i>	Green Spleenwort				S3	27	28.4 ± 0.2	NS
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	1	20.3 ± 7.07	NS
P	<i>Polystichum lonchitis</i>	Northern Holly Fern				S3	5	48.8 ± 5.0	NS
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	3	41.8 ± 1.0	NS
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	7	43.3 ± 0.01	NS
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	1	32.7 ± 0.01	NS
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3?	52	14.5 ± 0.2	NS
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	9	39.7 ± 5.0	NS
P	<i>Bidens vulgata</i>	Tall Beggarticks				S3S4	1	75.0 ± 0.01	NS
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	57	21.3 ± 0.01	NS
P	<i>Hieracium paniculatum</i>	Panicked Hawkweed				S3S4	1	51.1 ± 0.2	NS
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	9	25.4 ± 0.5	NS
P	<i>Packera paupercula</i>	Balsam Groundsel				S3S4	156	21.3 ± 0.01	NS
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush				S3S4	2	24.3 ± 0.01	NS
P	<i>Shepherdia canadensis</i>	Soapberry				S3S4	82	56.0 ± 0.03	NS
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3S4	12	42.3 ± 1.0	NS
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	48	45.5 ± 0.01	NS
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S3S4	1	67.3 ± 0.2	NS
P	<i>Fagus grandifolia</i>	American Beech				S3S4	507	0.3 ± 0.01	NS
P	<i>Bartonia virginica</i>	Yellow Bartonia				S3S4	1	62.3 ± 0.1	NS
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	2	92.3 ± 1.0	NS
P	<i>Decodon verticillatus</i>	Swamp Loosestrife				S3S4	6	55.8 ± 7.07	NS
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3S4	1	85.3 ± 2.7	NS
P	<i>Persicaria pensylvanica</i>	Pennsylvania Smartweed				S3S4	20	20.7 ± 0.01	NS
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3S4	29	20.7 ± 0.01	NS
P	<i>Rumex pallidus</i>	Seabeach Dock				S3S4	1	24.0 ± 0.01	NS
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3S4	8	49.9 ± 0.01	NS
P	<i>Endotropis alnifolia</i>	Alder-leaved Buckthorn				S3S4	532	32.5 ± 0.01	NS
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	7	3.4 ± 5.0	NS
P	<i>Fragaria vesca</i> ssp. <i>americana</i>	Woodland Strawberry				S3S4	57	24.4 ± 0.01	NS
P	<i>Fragaria vesca</i>	Woodland Strawberry				S3S4	1	72.9 ± 0.2	NS
P	<i>Galium aparine</i>	Common Bedstraw				S3S4	4	21.2 ± 0.01	NS
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	83	19.5 ± 0.01	NS
P	<i>Limosella australis</i>	Southern Mudwort				S3S4	5	70.0 ± 5.0	NS
P	<i>Ulmus americana</i>	White Elm				S3S4	113	5.5 ± 0.01	NS
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	57	12.4 ± 0.2	NS
P	<i>Viola selkirkii</i>	Great-Spurred Violet				S3S4	1	21.0 ± 1.0	NS
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	2	84.4 ± 0.5	NS
P	<i>Triglochin gaspensis</i>	Gaspé Arrowgrass				S3S4	7	35.2 ± 0.01	NS
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	4	33.5 ± 0.01	NS
P	<i>Juncus subcaudatus</i>	Woods-Rush				S3S4	10	30.1 ± 0.01	NS
P	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	Black-fruited Woodrush				S3S4	5	54.1 ± 0.01	NS
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3S4	15	36.2 ± 0.01	NS
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	16	20.4 ± 0.01	NS
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	9	20.3 ± 10.0	NS
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	9	3.8 ± 0.01	NS
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3S4	14	26.0 ± 0.01	NS
P	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass				S3S4	97	45.5 ± 0.01	NS
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	1	50.3 ± 0.01	NS
P	<i>Koeleria spicata</i>	Narrow False Oats				S3S4	2	72.9 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S3S4	8	21.1 ± 0.2	NS
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3S4	21	45.2 ± 0.01	NS
P	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar				S3S4	7	38.5 ± 0.2	NS
P	<i>Diphasiastrum sitchense</i>	Sitka Ground-cedar				S3S4	26	20.8 ± 0.01	NS
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3S4	1	56.3 ± 1.0	NS
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	6	42.3 ± 10.0	NS
P	<i>Botrychium matricarifolium</i>	Daisy-leaved Moonwort				S3S4	4	36.4 ± 10.0	NS
P	<i>Viola canadensis</i>	Canada Violet				SH	1	61.3 ± 0.25	NS

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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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11	Skomorowski, Joanna. 2024. 2022 Nova Scotia Nature Trust SAR occurrences. Nova Scotia Nature Trust, 58 records.
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10	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
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10	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
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10	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
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10	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
10	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
10	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
9	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
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9	Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
8	ACAP Cape Breton. 2025. Bombus terricola and Danaus plexippus observations in Cape Breton in summer 2024. ACAP Cape Breton, 20 records.
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8	McRae, Daniel. 2023. Black Ash records on PEI for 2023. MacPhail Woods Ecological Forestry Project, 269 records.
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8	Toms, Brad. 2024. PHP survey results 2024. Mersey Tobeatic Research Institute, 9 recs.
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7	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
7	Robinson, S.L. 2011. 2011 ND dune survey field data. Atlantic Canada Conservation Data Centre, 2715 recs.
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6	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database Update. Mersey Tobeatic Research Institute, 14 recs.
6	Pepper, Chris. 2020. Species of conservation concern, Powderhorn Lake, NS. pers.comm. to J. Churchill.
6	Powell, B.C. 1967. Female sexual cycles of Chrysemy spicta & Clemmys insculpta in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
5	Amirault, D.L. 1997-2000. Unpublished files. Canadian Wildlife Service, Sackville, 470 recs.
5	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
5	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
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5	Curley, F.R. 2005. PEF&W Collection 2003-04. PEI Fish & Wildlife Div., 716 recs.
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5	Power, T. 2019. Cape Breton Wood Turtle records. NS Lands and Forestry.
5	Whittam, R.M. 1997. Status Report on the Roseate Tern (<i>Sterna dougallii</i>) in Canada. Committee on the Status of Endangered Wildlife in Canada, 5 recs.
4	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
4	Hagerman, Christianne. 2022. Wisqoq and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
4	Hughes, Cory. 2020. Atlantic Forestry Centre <i>Coccinella transversoguttata</i> collections. Canadian Forest Service, Atlantic Forestry Centre.
4	Klymko, J. 2025. John Klymko 2024 field data. Atlantic Canada Conservation Data Centre.
4	McNeil, Jeffie. 2022. 2022 Turtle Records. Mersey Tobeatic Research Institute.
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4	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
4	Richardson, D., Anderson, F., Cameron, R, McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (<i>Anzia colpodes</i>). COSEWIC.
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3	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
3	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
3	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
3	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
3	Klymko, J. Henry Hense's Butterfly Collection Database. Atlantic Canada Conservation Data Centre. 2016.
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3	Neily, T.H. 2016. Email communication (May 6, 2016) to Sean Blaney regarding <i>Fissidens exilis</i> observations made in 2016 in Nova Scotia. Pers. Comm., 3 recs.
3	Newell, R.E. 2001. Fortress Louisbourg Species at Risk Survey 2001. Parks Canada, 4 recs.
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2	COSEWIC (Committee on the Status of Wildlife in Canada). 2013. COSEWIC Assessment and Status Report on the Eastern Waterfan <i>Peltigera hydrothyria</i> in Canada. COSEWIC, 46 pp.
2	Erskine, D. 1960. The plants of Prince Edward Island, 1st Ed. Research Branch, Agriculture Canada, Ottawa., Publication 1088. 1238 recs.
2	Feltham, Carter. 2022. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
2	Frittation, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
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2	Harding, R.W. 2008. Harding Personal Insect Collection 1999-2007. R.W. Harding, 309 recs.
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2	Mersey Tobeatic Research Institute. 2023. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2023 Field Season. Mersey Tobeatic Research Institute.
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1	Anderson, D.G. 2011. New site for showy lady's slipper on Cape Breton. Nova Scotia Department of Natural Resources, pers.comm. to R. Lautenschlager, Jul 5, 2011.
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1	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
1	Benedict, B. Connell Herbarium Specimens (Data). University New Brunswick, Fredericton. 2003.
1	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.

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1	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
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1	Curley, F.R. 2003. Glen Kelly records for <i>Betula pumila</i> & <i>Asclepias syriaca</i> on PEI. , Pers. comm. to C.S. Blaney. 9 recs.
1	Doucet, D.A. 2009. Census of Globally Rare, Endemic Butterflies of Nova Scotia Gulf of St Lawrence Salt Marshes. Nova Scotia Dept of Natural Resources, Species at Risk, 155 recs.
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1	Haughian, S.R. 2018. Description of <i>Fuscopannaria leucosticta</i> field work in 2017. New Brunswick Museum, 314 recs.
1	Hill, N.M. 2021. Observation of <i>Carex haydenii</i> and black ash near Marshy Hope and Ponhook Lake. pers. comm.
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1	Klymko, J. 2019. Atlantic Canada Conservation Data Centre zoological fieldwork 2018. Atlantic Canada Conservation Data Centre.
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1	Klymko, J.J.D. 2016. 2015 field data. Atlantic Canada Conservation Data Centre.
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1	McNeil, J.A. 2016. Blandings Turtle (<i>Emydoidea blandingii</i>), Eastern Ribbonsnake (<i>Thamnophis sauritus</i>), Wood Turtle (<i>Glyptemys insculpta</i>), and Snapping Turtle (<i>Chelydra serpentina</i>) sightings, 2016. Mersey Tobeatic Research Institute, 774 records.
1	McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute.
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1	Nature Conservancy of Canada. 2023. NCC Nova Scotia Data.
1	Nature Conservancy of Canada. 2023. PEI Fieldwork. , 283 recs.
1	Neily, P.D. Plant Specimens. Nova Scotia Dept Natural Resources, Truro. 2006.
1	Neily, T.H. & Pepper, C.; Toms, B. 2019. Boreal Felt Lichen Observation, April 2019. Mersey Tobeatic Research Institute.
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1	Neily, T.H. 2013. Email communication to Sean Blaney regarding <i>Agalinis paupercula</i> observations made in 2013 in Nova Scotia. , 1 rec.
1	Neily, Tom. 2020. Lichen surveys for PEI Forested Landscapes Priority Place. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 158 records.
1	New York Botanical Garden. 2006. Virtual Plant Herbarium - Vascular Plant Types Catalog. Sylva, S.; Kallunki, J. (ed.) International Plant Science Centre, Web site: http://sciweb.nybg.org/science2/vii2.asp . 4 recs.
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1	Schmidt, B.C. 2017. Details about a <i>Speyeria aphrodite</i> specimen at the Canadian National Collection from Baddeck, NS, sent via email on 15 February 2017.
1	Spicer, C.D. 2004. Specimens from CWS Herbarium, Mount Allison Herbarium Database. Mount Allison University, 5939 recs.
1	Standley, L.A. 2002. <i>Carex haydenii</i> in Nova Scotia. , Pers. comm. to C.S. Blaney. 4 recs.
1	Stephen Freeman. 2022. New location for Black Ash in Queens County, NS. Personal communication, 2.
1	Stevens, C. 1999. Cam Stevens field data from PEI vegetation plots. Sent along with specimens to C.S. Blaney. UNB masters research project, 732 recs.
1	Thomas, H.H., Jones, G.S. & Diblee, R.L. 1980. <i>Sorex palustris</i> on Prince Edward Island. Can. Field Nat., vol 94:329-331. 2 recs.
1	Webster, R.P. Atlantic Forestry Centre Insect Collection, Maritimes butterfly records. Natural Resources Canada. 2014.
1	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
1	Whittam, R.M. 2000. <i>Senecio pseudoarnica</i> on Country Island. , Pers. comm. to S. Gerriets. 1 rec.
1	Zahavich, J. 2017. Canada Warbler and Olive-sided Flycatcher records 2017. Island Nature Trust, 5 recs.

APPENDIX I
SURFACE WATER AND FISH PHOTOGRAPH LOG



Photo 1: Representative photo of WC2.



Photo 2: Representative photo of WC3.



Photo 3: Representative photo of WC4A.

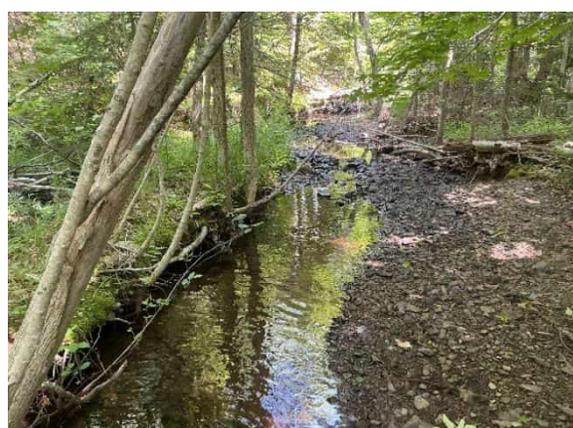


Photo 4: Representative photo of WC4B.

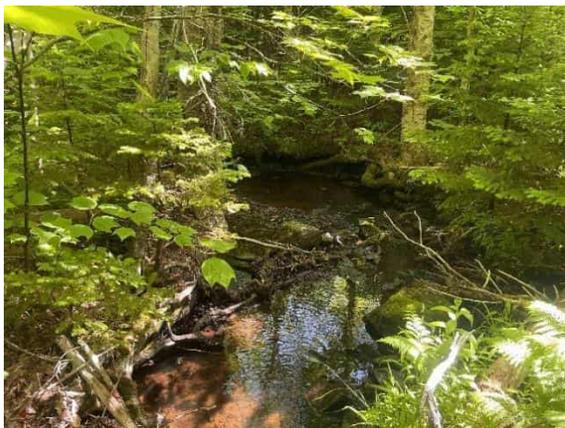


Photo 5: Representative photo of WC7.



Photo 6: Representative photo of WC8.



Photo 7: Representative photo of WC9.



Photo 8: Representative photo of WC10.



Photo 9: Representative photo of WC11.



Photo 10: Representative photo of WC14.



Photo 11: Representative photo of WC22.



Photo 12: Representative photo of WC23.



Photo 13: Representative photo of WC24.



Photo 14: Representative photo of WC25.



Photo 15: Representative photo of WC26.



Photo 16: Representative photo of WC27.

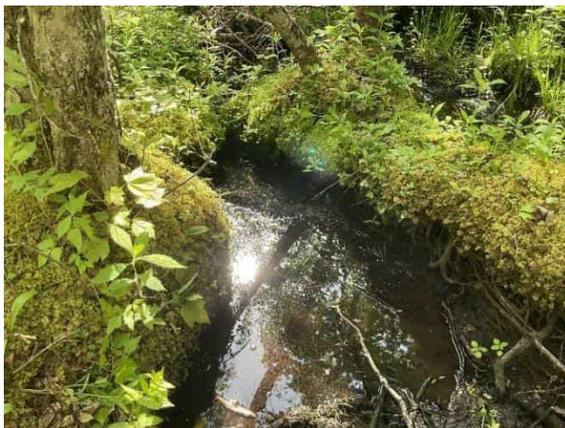


Photo 17: Representative photo of WC28.



Photo 18: Representative photo of WC29.



Photo 19: Representative photo of WC30.



Photo 20: Representative photo of WC31.



Photo 21: Representative photo of WC32.



Photo 22: Representative photo of WC33.



Photo 23: Representative photo of WC35.

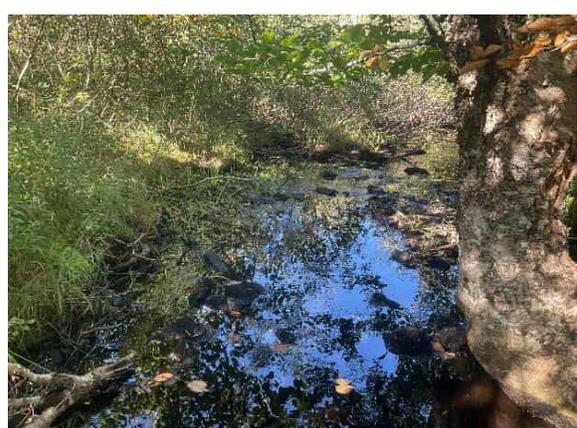


Photo 24: Representative photo of WC36.



Photo 25 Representative photo of WC37.



Photo 26: Representative photo of WC41.



Photo 27: Representative photo of WC42.



Photo 28: Representative photo of WC43.



Photo 29: Representative photo of WC44.



Photo 30: Representative photo of WC45.



Photo 31: Representative photo of WC46.



Photo 32: Representative photo of WC48.



Photo 33: Representative photo of WC50.

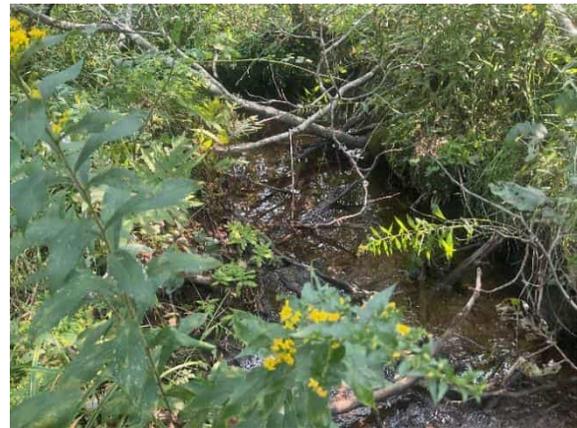


Photo 34: Representative photo of WC51.



Photo 35: Representative photo of WC52.



Photo 36: Representative photo of WC53.



Photo 37: Representative photo of WC54.



Photo 38: Representative photo of WC55.



Photo 39: Representative photo of WC58.



Photo 40: Representative photo of WC59.



Photo 41: Representative photo of WC60.



Photo 42: Representative photo of WC61.



Photo 43: Representative photo of WC63.



Photo 44: Representative photo of WC64.



Photo 45: Representative photo of WC65.



Photo 46: Representative photo of WC66.



Photo 47: Representative photo of WC67.



Photo 48: Representative photo of WC68.



Photo 49: Representative photo of WC69.



Photo 50: Representative photo of WC70.



Photo 51: Representative photo of WC71.



Photo 52: Representative photo of WC72.

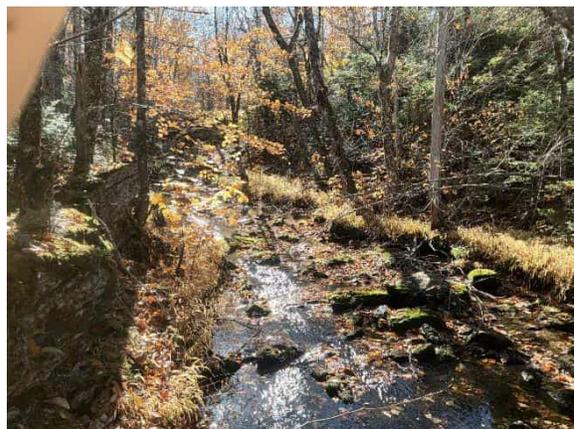


Photo 53: Representative photo of WC73.



Photo 54: Representative photo of WC75.



Photo 55: Representative photo of WC76.



Photo 56: Representative photo of WC77.



Photo 57: Representative photo of WC78.



Photo 58: Representative photo of WC79.



Photo 59: Representative photo of WC80.



Photo 60: Representative photo of WC81.



Photo 61: Representative photo of WC82.



Photo 62: Representative photo of WC83.



Photo 63: Representative photo of WC84.



Photo 64: Representative photo of WC85.



Photo 65: Representative photo of the electrofishing reach in Afton River.



Photo 66: Representative photo of the electrofishing reach in Black Avon River.



Photo 67: Representative photo of the electrofishing reach in North Intervale Brook.



Photo 68: Representative photo of the electrofishing reach in Monastery Brook.



Photo 69: Representative photo of an Atlantic salmon.



Photo 70: Representative photo of a brook trout.



Photo 71: Representative photo of an American eel.



Photo 72: Representative photo of a threespine stickleback.



Photo 73: Representative photo of a white sucker.



Photo 74: Representative photo of a brown trout.



Photo 75: Representative photo of an alewife.



Photo 76: Representative photo of a golden shiner.



Photo 77: Representative photo of a yellow perch.



Photo 78: Representative photo of a northern redbelly dace.



Photo 79: Representative photo of a blacknose shiner.



Photo 80: Representative photo of a banded killifish.

*Representative photo of WC57 not obtained.

APPENDIX J
WETLAND CHARACTERISTICS AND PHOTOGRAPH LOG

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL1	18-06-2025	Treed Swamp	712.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Goldthread (<i>Coptis trifolia</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)
WL2	17-06-2025	Treed Swamp	3,053.00	Partial	N	Flat	Inflow	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Balsam Fir (<i>Abies balsamea</i>), Goldthread (<i>Coptis trifolia</i>)	Red Maple (<i>Acer rubrum</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>)
WL3	17-06-2025	Treed Swamp	642.00	Full	N	Slope	Outflow	Histosol (A1)	Surface Water, High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</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>)	Yellow Birch (<i>Betula alleghaniensis</i>), White Ash (<i>Fraxinus americana</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL4	18-06-2025	Complex (Treed and Shrub Swamp)	606.00	Partial	N	Slope	Isolated	Histosol (A1)	High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Bunchberry (<i>Cornus canadensis</i>), Goldthread (<i>Coptis trifolia</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>), White Meadowsweet (<i>Spiraea alba</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Pussy Willow (<i>Salix discolor</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Red Spruce (<i>Picea rubens</i>)
WL5	19-06-2025	Treed Swamp	1,998.00	Full	N	Basin	Outflow	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Narrow-leaved Cattail (<i>Typha angustifolia</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Spruce (<i>Picea rubens</i>), Red Maple (<i>Acer rubrum</i>), Gray Birch (<i>Betula populifolia</i>)
WL6	17-06-2025	Treed Swamp	108.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Balsam Fir (<i>Abies balsamea</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL7	24-10-2024	Shrub Swamp	426.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation	Soft Rush (<i>Juncus effusus</i>), Narrow-leaved Cattail (<i>Typha angustifolia</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>)	Speckled Alder (<i>Alnus incana</i>)	N/A
WL8	23-10-2024	Shrub Swamp	621.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Hydrogen Sulfide odour	Bluejoint Reed Grass (<i>Calamagrostis canadensis</i>), <i>Typha sp.</i> , <i>Rosa sp.</i>	Speckled Alder (<i>Alnus incana</i>)	N/A
WL9	19-06-2025	Treed Swamp	4,898.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	High Water Table, Saturation, Water Marks, Water-stained Leaves	Goldthread (<i>Coptis trifolia</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</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>)
WL10	17-06-2025	Treed Swamp	2,309.00	Partial	N	Slope	Throughflow	Histic Epipedon (A2)	Surface Water, Saturation, Drainage Patterns, Saturation Visible on Aerial Imagery	Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Spotted Jewelweed (<i>Impatiens capensis</i>)	Red Maple (<i>Acer rubrum</i>), Mountain Maple (<i>Acer spicatum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Mountain Maple (<i>Acer spicatum</i>)
WL11	24-10-2024	Shrub Swamp	327.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Hydrogen Sulfide odour	Bristly Dewberry (<i>Rubus hispidus</i>), Three-seeded Sedge (<i>Carex trisperma</i>),	Speckled Alder (<i>Alnus incana</i>), Balsam Fir (<i>Abies balsamea</i>)	N/A
WL12	01-11-2024	Bog	404.00	Full	N	Flat	Isolated	na	na	na	na	na
WL13	17-06-2025	Treed Swamp	2,748.00	Partial	N	Slope	Throughflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>), Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Canada Goldenrod (<i>Solidago canadensis</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>), Mountain Maple (<i>Acer spicatum</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL14	17-06-2025	Treed Swamp	597.00	Partial	Y	Flat	Isolated	Histic Epipedon (A2)	High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</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>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL15	24-10-2024	Shrub Swamp	684.00	Full	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Rattlesnake Manna Grass (<i>Glyceria canadensis</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>), Narrow-leaved Cattail (<i>Typha angustifolia</i>), Soft Rush (<i>Juncus effusus</i>)	Winterberry (<i>Ilex verticillata</i>), Balsam Fir (<i>Abies balsamea</i>)	European Larch (<i>Larix decidua</i>)
WL16	16-06-2025	Treed Swamp	1,944.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL17	24-10-2024	Shrub Swamp	974.00	Partial	Y	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Hydrogen Sulfide odour	Soft Rush (<i>Juncus effusus</i>), Canada Goldenrod (<i>Solidago canadensis</i>), Smooth Cordgrass (<i>Sporobolus alterniflorus</i>)	Speckled Alder (<i>Alnus incana</i>)	N/A
WL18	18-06-2025	Treed Swamp	316.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	High Water Table, Saturation	New York Fern (<i>Amauropelta noveboracensis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Whorled Wood Aster (<i>Oclemea acuminata</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Creeping Wood Sorrel (<i>Oxalis corniculata</i>)	American Mountain Ash (<i>Sorbus americana</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), American Mountain Ash (<i>Sorbus americana</i>), Balsam Fir (<i>Abies balsamea</i>)
WL19	18-06-2025	Swamp	2,511.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Field Horsetail (<i>Equisetum arvense</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>), Bayonet Rush (<i>Juncus militaris</i>), Canada Goldenrod (<i>Solidago canadensis</i>), Spotted Jewelweed (<i>Impatiens capensis</i>)	Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Sugar Maple (<i>Acer saccharum</i>)
WL20	17-06-2025	Shrub Swamp	1,456.00	Partial	Y	Flat	Isolated	Histosol (A1)	High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Common Wood Sorrel (<i>Oxalis montana</i>)	Speckled Alder (<i>Alnus incana</i>)	N/A
WL21	24-10-2024	Shrub Swamp	2,208.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Tawny Cottongrass (<i>Eriophorum virginicum</i>), Narrow-leaved Cattail (<i>Typha angustifolia</i>), Eastern Hay-scented Fern (<i>Dennstaedtia punctilobula</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bristly Dewberry (<i>Rubus hispida</i>)	Speckled Alder (<i>Alnus incana</i>), Red Maple (<i>Acer rubrum</i>)	Paper Birch (<i>Betula papyrifera</i>), Red Maple (<i>Acer rubrum</i>)
WL22	16-06-2025	Treed Swamp	1,145.00	Partial	N	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Drainage Patterns, Saturation Visible on Aerial Imagery	Sensitive Fern (<i>Onoclea sensibilis</i>), Canada Goldenrod (<i>Solidago canadensis</i>), Alder-leaved Buckthorn (<i>Endotropis alnifolia</i>)	White Meadowsweet (<i>Spiraea alba</i>), Tall Meadowrue (<i>Thalictrum pubescens</i>), Broad-leaved Cattail (<i>Typha latifolia</i>)	N/A
WL23	18-06-2025	Treed Swamp	776.00	Partial	Y	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Spotted Jewelweed (<i>Impatiens capensis</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>), Crested Wood Fern (<i>Dryopteris cristata</i>), Creeping Snowberry (<i>Gaultheria hispida</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>)	Yellow Birch (<i>Betula alleghaniensis</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>), Red Maple (<i>Acer rubrum</i>)
WL24	20-06-2025	Treed Swamp	320.00	Partial	N	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Saturation Visible on Aerial Imagery	Goldthread (<i>Coptis trifolia</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>), Mountain Maple (<i>Acer spicatum</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>), White Ash (<i>Fraxinus americana</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL25	18-06-2025	Treed Swamp	130.00	Partial	Y	Basin	Isolated	Histosol (A1)	High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Wild Strawberry (<i>Fragaria virginiana</i>), Hairy Flat-top White Aster (<i>Doellingeria umbellata</i>), Northern Starflower (<i>Lysimachia borealis</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Red Maple (<i>Acer rubrum</i>), White Ash (<i>Fraxinus americana</i>), Balsam Fir (<i>Abies balsamea</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL26	14-01-2026	Treed Swamp	2,987.00	Partial	Y	Flat	Isolated	Depleted Below Dark Surface (A11)	Surface Water, High Water Table, Saturation	Black Spruce (<i>Picea mariana</i>), Sheep Laurel (<i>Kalmia angustifolia</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Black Spruce (<i>Picea mariana</i>), Mountain Holly (<i>Ilex mucronata</i>)	Black Spruce (<i>Picea mariana</i>), Gray Birch (<i>Betula populifolia</i>), Balsam Fir (<i>Abies balsamea</i>)
WL27	14-01-2026	Treed Swamp	720.00	Partial	Y	Basin	Isolated	Depleted Below Dark Surface (A11)	Surface Water, High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Common Woolly Bulrush (<i>Scirpus cyperinus</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	N/A	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL28	17-06-2025	Marsh	2,156.00	Partial	N	Floodplain	Throughflow	Histosol (A1)	Surface Water, Saturation, Thin Muck Surface	Narrowleaf Fragrant Goldenrod (<i>Euthamia galetorum</i>), Whorled Wood Aster (<i>Oclemea acuminata</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Hairy Flat-top White Aster (<i>Doellingeria umbellata</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)
WL29	19-06-2025	Treed Swamp	649.00	Partial	N	Slope	Throughflow	Sandy Mucky Mineral (S1)	Surface Water, High Water Table, Saturation, Water Marks, Sediment Deposits, Drift Deposits, Water-stained Leaves, Aquatic Fauna, Drainage Patterns, Moss Trim Lines	Sensitive Fern (<i>Onoclea sensibilis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Northern Starflower (<i>Lysimachia borealis</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Mountain Holly (<i>Ilex mucronata</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)
WL30	24-10-2024	Shrub Swamp	10,165.00	Partial	Y	Basin	Throughflow	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Bluejoint Reed Grass (<i>Calamagrostis canadensis</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Black Spruce (<i>Picea mariana</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Speckled Alder (<i>Alnus incana</i>)	Paper Birch (<i>Betula papyrifera</i>), Red Maple (<i>Acer rubrum</i>), Black Spruce (<i>Picea mariana</i>)
WL31	19-06-2025	Treed Swamp	81.00	Partial	N	Slope	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation, Sediment Deposits, Water-stained Leaves, Drainage Patterns, Moss Trim Lines	Sensitive Fern (<i>Onoclea sensibilis</i>), Goldthread (<i>Coptis trifolia</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)
WL32	23-06-2025	Shrub Swamp	19,660.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	High Water Table, Saturation	Bunchberry (<i>Cornus canadensis</i>), Creeping Snowberry (<i>Gaultheria hispida</i>), Red Maple (<i>Acer rubrum</i>), Goldthread (<i>Coptis trifolia</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>)	Balsam Fir (<i>Abies balsamea</i>), Red Spruce (<i>Picea rubens</i>), Red Maple (<i>Acer rubrum</i>)
WL33	16-06-2025	Treed Swamp	10,423.00	Partial	N	Basin	Outflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation, Sediment Deposits, Water-stained Leaves, Drainage Patterns, Moss Trim Lines	Sensitive Fern (<i>Onoclea sensibilis</i>), Mountain Holly (<i>Ilex mucronata</i>), Bunchberry (<i>Cornus canadensis</i>), Goldthread (<i>Coptis trifolia</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>)	Yellow Birch (<i>Betula alleghaniensis</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>), Balsam Fir (<i>Abies balsamea</i>)
WL34	23-06-2025	Treed Swamp	28.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Common Labrador Tea (<i>Rhododendron groenlandicum</i>), Creeping Snowberry (<i>Gaultheria hispida</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>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)
WL35	22-10-2024	Shrub Swamp	7,875.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Hairy Flat-top White Aster (<i>Doellingeria umbellata</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Narrow-leaved Cattail (<i>Typha angustifolia</i>), Eastern Hayscented Fern (<i>Dennstaedtia punctilobula</i>), Bristly Dewberry (<i>Rubus hispida</i>)	Speckled Alder (<i>Alnus incana</i>)	Red Maple (<i>Acer rubrum</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL36	22-10-2024	Treed Swamp	1,252.00	Partial	N	Basin	Isolated	Histic Epipedon (A2)	High Water Table, Saturation	Northern Starflower (<i>Lysimachia borealis</i>), Eastern Hayscented Fern (<i>Dennstaedtia punctilobula</i>), Winterberry (<i>Ilex verticillata</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Winterberry (<i>Ilex verticillata</i>), Speckled Alder (<i>Alnus incana</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>)
WL37	18-06-2025	Treed Swamp	370.00	Partial	Y	Flat	Isolated	Sandy Mucky Mineral (S1)	Surface Water, High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Canada Goldenrod (<i>Solidago canadensis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Field Horsetail (<i>Equisetum arvense</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Mountain Maple (<i>Acer spicatum</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL38	23-10-2024	Shrub Swamp	1,128.00	Partial	Y	Basin	Throughflow	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Rattlesnake Manna Grass (<i>Glyceria canadensis</i>), Tussock Sedge (<i>Carex stricta</i>), Speckled Alder (<i>Alnus incana</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>), Canada Goldenrod (<i>Solidago canadensis</i>)	Speckled Alder (<i>Alnus incana</i>)	Red Maple (<i>Acer rubrum</i>)
WL39	25-09-2024	Treed Swamp	1,506.00	Partial	N	Basin	Isolated	Histosol (A1)	Saturation	Canada Goldenrod (<i>Solidago canadensis</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Dwarf Red Raspberry (<i>Rubus hispids</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	N/A	Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)
WL40	02-07-2025	Shrub Swamp	3,230.00	Partial	N	Basin	Isolated	Histic Epipedon (A2)	No Hydrological Indicators	New York Fern (<i>Amauropelta noveboracensis</i>), Goldthread (<i>Coptis trifolia</i>), Balsam Fir (<i>Abies balsamea</i>), Northern Starflower (<i>Lysimachia borealis</i>), Bunchberry (<i>Cornus canadensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</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>)
WL41	23-10-2024	Complex (Treed and Shrub Swamp)	3,796.00	Partial	N	Basin	Throughflow	Histosol (A1)	High Water Table, Saturation	Common Woolly Bulrush (<i>Scirpus cyperinus</i>), Bunchberry (<i>Cornus canadensis</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Speckled Alder (<i>Alnus incana</i>)	Balsam Fir (<i>Abies balsamea</i>)
WL42	22-10-2024	Shrub Swamp	406.00	Partial	N	Basin	Isolated	Histosol (A1), Organic	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Tussock Sedge (<i>Carex stricta</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Bunchberry (<i>Cornus canadensis</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>)	Mountain Holly (<i>Ilex mucronata</i>), Speckled Alder (<i>Alnus incana</i>)	N/A
WL43	03-09-2025	Shrub Swamp	1,550.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Broad-leaved Cattail (<i>Typha latifolia</i>), Spotted Jewelweed (<i>Impatiens capensis</i>), Blue Skullicap (<i>Scutellaria lateriflora</i>), Meadow Buttercup (<i>Ranunculus acris</i>), Three-seeded Sedge (<i>Carex trisperma</i>), White Turtlehead (<i>Chelone glabra</i>)	Meadowsweet (<i>Filipendula ulmaria</i>), Mountain Holly (<i>Ilex mucronata</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL44	29-10-2025	Treed Swamp	690.00	Full	N	Basin	Isolated	Histosol (A1)	Saturation, Stunted or Stressed Plants	Crested Wood Fern (<i>Dryopteris cristata</i>), Evergreen Wood Fern (<i>Dryopteris intermedia</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Tawny Cottongrass (<i>Eriophorum virginicum</i>)	Black Spruce (<i>Picea mariana</i>), Mountain Holly (<i>Ilex mucronata</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>)
WL45	19-06-2025	Treed Swamp	12,149.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation	Bunchberry (<i>Cornus canadensis</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Goldthread (<i>Coptis trifolia</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)	Red Maple (<i>Acer rubrum</i>), Red Spruce (<i>Picea rubens</i>), Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL46	04-09-2024	Bog	1,069.00	Full	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Speckled alder (<i>Alnus incana</i>), Three-seeded Sedge (<i>Carex trisperma</i>)	Speckled Alder (<i>Alnus incana</i>), White Meadowsweet (<i>Spiraea alba</i>), Black Spruce (<i>Picea mariana</i>), Balsam fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)	Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>), American Mountain Ash (<i>Sorbus americana</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL47	23-10-2024	Treed Swamp	1,222.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL48	03-09-2024	Bog	1,304.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Broad-leaved Cattail (<i>Typha latifolia</i>), Spotted Jewelweed (<i>Impatiens capensis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Meadowsweet (Filipendula ulmaria), Mountain Holly (Ilex mucronata)	White Spruce (<i>Picea glauca</i>), Red Maple (<i>Acer rubrum</i>), Paper Birch (<i>Betula papyrifera</i>), Balsam Fir (<i>Abies balsamea</i>)
WL49	25-10-2024	Complex (Treed and Shrub Swamp)	382.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Three-seeded Sedge (<i>Carex trisperma</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Red Maple (<i>Acer rubrum</i>)	Balsam Fir (<i>Abies balsamea</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Red Spruce (<i>Picea rubens</i>), Black Spruce (<i>Picea mariana</i>)
WL50		Swamp	2,092.00	Partial	N	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Water Marks	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>)	Gray Birch (<i>Betula populifolia</i>), Speckled Alder (<i>Alnus incana</i>)	Gray Birch (<i>Betula populifolia</i>), Red Spruce (<i>Picea rubens</i>)
WL51		Treed Swamp	11,166.00	Partial	N	Floodplain	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation	Creeping Buttercup (<i>Ranunculus repens</i>), Goldthread (<i>Coptis trifolia</i>), Bristly Dewberry (<i>Rubus hispida</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Harlequin Blue Flag (<i>Iris versicolor</i>)	Black Spruce (<i>Picea mariana</i>), Winterberry (<i>Ilex verticillata</i>)	Black Spruce (<i>Picea mariana</i>), Gray Birch (<i>Betula populifolia</i>)
WL52	28-10-2024	Swamp	3,631.00	Partial	N	Basin	Isolated	na	na	na	na	na
WL53	23-10-2024	Shrub Swamp	469.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Drainage Patterns	Carex sp., Northern Starflower (<i>Lysimachia borealis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Eastern Hay-scented Fern (<i>Dennstaedtia punctilobula</i>)	Speckled Alder (<i>Alnus incana</i>)	Tamarack (<i>Larix laricina</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL54	04-09-2024	Shrub Swamp	1,310.00	Full	N	Basin	Isolated	Histic Epipedon (A2)	High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Speckled Alder (<i>Alnus incana</i>), Blue Skullcap (<i>Scutellaria lateriflora</i>), White Turtlehead (<i>Chelone glabra</i>)	Balsam Fir (<i>Abies balsamea</i>), Speckled Alder (<i>Alnus incana</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Speckled Alder (<i>Alnus incana</i>), Balsam Fir (<i>Abies balsamea</i>)
WL55	09-10-2024	Complex (Treed and Shrub Swamp)	591.00	Partial	N	Basin	Throughflow	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves, Hydrogen Sulfide odour	Tussock Sedge (<i>Carex stricta</i>), <i>Typha</i> sp., Balsam Fir (<i>Abies balsamea</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Winterberry (<i>Ilex verticillata</i>)	Speckled Alder (<i>Alnus incana</i>), Winterberry (<i>Ilex verticillata</i>)	Tamarack (<i>Larix laricina</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL56	24-10-2024	Complex (Shrub and Treed Swamp)	4,600.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Hydrogen Sulfide odour, Drainage Patterns	Tawny Cottongrass (<i>Eriophorum virginicum</i>), Common Woolly Bulrush (<i>Scirpus cyperinus</i>), Old Field Aster (<i>Symphyotrichum pilosum</i>), Bunchberry (<i>Cornus canadensis</i>), Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Speckled Alder (<i>Alnus incana</i>)	N/A
WL57	29-10-2025	Bog	408.00	Full	Y	Basin	Outflow	Histosol (A1)	Surface Water, High Water Table	Broad-leaved Cattail (<i>Typha latifolia</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Soft Rush (<i>Juncus effusus</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</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>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)
WL58	04-09-2024	Marsh	2,997.00	Partial	N	Floodplain	Throughflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation, Water Marks, Sediment Deposits, Water-stained Leaves, Drainage Patterns	Poaceae sp., <i>Carex</i> sp., <i>Asclepias</i> sp., Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Speckled Alder (<i>Alnus incana</i>), Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Black Spruce (<i>Picea mariana</i>)
WL59	20-06-2025	Complex (Bog, Treed Swamp)	2,397.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Hydrogen Sulfide odour	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Red Maple (<i>Acer rubrum</i>), Goldthread (<i>Coptis trifolia</i>), Sensitive Fern (<i>Onoclea sensibilis</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>), Red Maple (<i>Acer rubrum</i>), Gray Birch (<i>Betula populifolia</i>)
WL60	12-06-2025	Treed Swamp	1,011.00	Partial	N	Basin	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation, Drainage Patterns, Saturation Visible on Aerial Imagery	Creeping Snowberry (<i>Gaultheria hispida</i>), Creeping Wood Sorrel (<i>Oxalis corniculata</i>), Goldthread (<i>Coptis trifolia</i>), Three-leaved False Solomon's seals (<i>Maianthemum trifolium</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Bunchberry (<i>Cornus canadensis</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL61	16-06-2025	Treed Swamp	6,414.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Twinflower (<i>Linnaea borealis</i>), Goldthread (<i>Coptis trifolia</i>), Northern Starflower (<i>Lysimachia borealis</i>), Bunchberry (<i>Cornus canadensis</i>)	N/A	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL62	20-06-2025	Treed Swamp	861.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Water Marks, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Red Maple (<i>Acer rubrum</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Speckled Alder (<i>Alnus incana</i>), Red Maple (<i>Acer rubrum</i>)
WL63	11-09-2024	Complex (Treed and Shrub Swamp)	11,141.00	Partial	N	Basin	Isolated	Histic Epipedon (A2)	High Water Table, Saturation, Sparsely Vegetated Concave Surface, Water-stained Leaves, Drainage Patterns	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Three-leaved False Solomon's seals (<i>Maianthemum trifolium</i>), Bunchberry (<i>Cornus canadensis</i>), Goldthread (<i>Coptis trifolia</i>), Twinflower (<i>Linnaea borealis</i>), Bristly Dewberry (<i>Rubus hispidus</i>)	Mountain Holly (<i>Ilex mucronata</i>), Speckled Alder (<i>Alnus incana</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Black Spruce (<i>Picea mariana</i>), American Mountain Ash (<i>Sorbus americana</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL64	03-07-2025	Treed Swamp	1,842.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Red Maple (<i>Acer rubrum</i>), Goldthread (<i>Coptis trifolia</i>)	Yellow Birch (<i>Betula alleghaniensis</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>), Black Spruce (<i>Picea mariana</i>)
WL65	12-01-2026	Treed Swamp	1,332.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Red Maple (<i>Acer rubrum</i>)	Balsam Fir (<i>Abies balsamea</i>)
WL66	16-06-2025	Treed Swamp	285.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Common Snowberry (<i>Symphoricarpos albus</i>), Goldthread (<i>Coptis trifolia</i>), Northern Starflower (<i>Lysimachia borealis</i>), Common Wood Sorrel (<i>Oxalis montana</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL67	27-05-2025	Treed Swamp	19,569.00	Partial	Y	Slope	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Dwarf Ginseng (<i>Panax trifolius</i>), Northern Starflower (<i>Lysimachia borealis</i>), Bunchberry (<i>Cornus canadensis</i>)	Red Spruce (<i>Picea rubens</i>)	Balsam Fir (<i>Abies balsamea</i>), Paper Birch (<i>Betula papyrifera</i>), Red Maple (<i>Acer rubrum</i>)
WL68	24-10-2024	Treed Swamp	4,460.00	Full	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Bunchberry (<i>Cornus canadensis</i>), Black Spruce (<i>Picea mariana</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>), Winterberry (<i>Ilex verticillata</i>)	Black Spruce (<i>Picea mariana</i>), Winterberry (<i>Ilex verticillata</i>)	Black Spruce (<i>Picea mariana</i>)
WL69	17-06-2025	Treed Swamp	16,815.00	Partial	Y	Basin	Isolated	Depleted Below Dark Surface (A11)	High Water Table, Saturation	Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Three-leaved False Solomon's seals (<i>Maianthemum trifolium</i>), Bunchberry (<i>Cornus canadensis</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Mountain Holly (<i>Ilex mucronata</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bristly-stalked Sedge (<i>Carex leptalea</i>), Pink Lady's-Slipper (<i>Cypripedium acaule</i>)	Red Maple (<i>Acer rubrum</i>), Tamarack (<i>Larix laricina</i>), Balsam Fir (<i>Abies balsamea</i>)	Eastern Hemlock (<i>Tsuga canadensis</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL70	29-10-2025	Treed Swamp	1,191.00	Partial	N	Flat	Outflow	Histic Epipedon (A2)	High Water Table, Saturation, Water-stained Leaves	Sheep Laurel (<i>Kalmia angustifolia</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Bunchberry (<i>Cornus canadensis</i>), Virginia Rose (<i>Rosa virginiana</i>), Twinflower (<i>Linnaea borealis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>), Mountain Holly (<i>Ilex mucronata</i>)	Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>)
WL71	23-10-2025	Treed Swamp	12,847.00	Partial	N	Flat	Isolated	Histosol (A1)	Saturation, Water-stained Leaves	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Virginia Rose (<i>Rosa virginiana</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Three-leaved Rattlesnakeroot (<i>Nabalus trifoliolatus</i>)	Balsam Fir (<i>Abies balsamea</i>), Virginia Rose (<i>Rosa virginiana</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Black Spruce (<i>Picea mariana</i>), White Ash (<i>Fraxinus americana</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL72		Swamp	5,305.00	Partial	N	Flat	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation, Water Marks, Sediment Deposits, Drift Deposits	Sensitive Fern (<i>Onoclea sensibilis</i>), Fringed Sedge (<i>Carex crinita</i>), Creeping Buttercup (<i>Ranunculus repens</i>)	Speckled Alder (<i>Alnus incana</i>)	Speckled Alder (<i>Alnus incana</i>), Tamarack (<i>Larix laricina</i>)
WL73	17-06-2025	Treed Swamp	6,825.00	Partial	N	Flat	Throughflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Common Wood Sorrel (<i>Oxalis montana</i>), Bunchberry (<i>Cornus canadensis</i>), Goldthread (<i>Coptis trifolia</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Eastern Hay-scented Fern (<i>Dennstaedtia punctilobula</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), American Mountain Ash (<i>Sorbus americana</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL74	30-10-2025	Complete (Treed and Shrub Swamp, Bog)	1,790.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Sparsely Vegetated Concave Surface, Drainage Patterns	Creeping Buttercup (<i>Ranunculus repens</i>), Cinnamon Fern (<i>Osmunda cinnamomeum</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Soft Rush (<i>Juncus effusus</i>), Common Cottongrass (<i>Eriophorum angustifolium</i>), Canada Goldenrod (<i>Solidago canadensis</i>), Speckled Alder (<i>Alnus incana</i>), Black Spruce (<i>Picea mariana</i>), Northern Blue Flag (<i>Iris versicolor</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>), Twinflower (<i>Linnaea borealis</i>), Goldthread (<i>Coptis trifolia</i>), Bunchberry (<i>Cornus canadensis</i>)	Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>), Winterberry (<i>Ilex verticillata</i>), Speckled Alder (<i>Alnus incana</i>)	Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)
WL75	07-10-2024	Complex (Treed and Shrub Swamp)	5,447.00	Partial	N	Flat	Isolated	Depleted Matrix (F3)	Saturation, Presence of Reduced Iron	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Soft Rush (<i>Juncus effusus</i>), Common Woolly Bulrush (<i>Scirpus cyperinus</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>), Common Cottongrass (<i>Eriophorum angustifolium</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>)
WL76	12-01-2026	Shrub Swamp	11,938.00	Partial	Y	Slope	Outflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Sheep Laurel (<i>Kalmia angustifolia</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Balsam Fir (<i>Abies balsamea</i>), Speckled Alder (<i>Alnus incana</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL77	09-10-2024	Complex (Treed and Shrub Swamp)	557.00	Full	N	Flat	Isolated	Histosol (A1)	Saturation, High Water Table, Sparsely Vegetated Concave Surface	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Crested Wood Fern (<i>Dryopteris cristata</i>), Whorled-wood Aster (<i>Oclemena acuminata</i>), <i>Rubus</i> sp., <i>Carex</i> sp., Soft Rush (<i>Juncus effusus</i>)	White Meadowsweet (<i>Spiraea alba</i>), Mountain Holly (<i>Ilex mucronata</i>), Black Spruce (<i>Picea mariana</i>), Speckled Alder (<i>Alnus incana</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>)
WL78	13-09-2024	Complex (Treed swamp and Bog)	459.00	Partial	Y	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Water Marks, Sparsely Vegetated Concave Surface	Bunchberry (<i>Cornus canadensis</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Tamarack (<i>Larix laricina</i>), Mountain Holly (<i>Ilex mucronata</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>), Tamarack (<i>Larix laricina</i>), Red Maple (<i>Acer rubrum</i>)
WL79	13-09-2024	Marsh	2,410.00	Partial	N	Basin	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation, Water Marks, Sediment Deposits, Sparsely Vegetated Concave Surface, Water-stained Leaves, Hydrogen Sulfide odour	Purple-stemmed Aster (<i>Symphyotrichum puniceum</i>), Speckled Alder (<i>Alnus incana</i>), Three-seeded Sedge (<i>Carex trisperma</i>), <i>Carex</i> sp.	Speckled Alder (<i>Alnus incana</i>), White Meadowsweet (<i>Spiraea alba</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>)
WL80		Shrub Swamp	912.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>)	Speckled Alder (<i>Alnus incana</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Black Spruce (<i>Picea mariana</i>)	Red Maple (<i>Acer rubrum</i>), Black Spruce (<i>Picea mariana</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL81	07-10-2024	Treed Swamp	2,642.00	Full	N	Slope	Isolated	Histic Epipedon (A2)	Saturation, Sparsely Vegetated Concave Surface, Drainage Patterns	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Whorled-wood Aster (<i>Oclemea acuminata</i>), Crested Wood Fern (<i>Dryopteris cristata</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Sensitive Fern (<i>Onclea sensibilis</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Fowl Manna Grass (<i>Glyceria striata</i>), Three-seeded Sedge (<i>Carex trisperma</i>)	Yellow Birch (<i>Betula alleghaniensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Spruce (<i>Picea rubens</i>), Red Maple (<i>Acer rubrum</i>)
WL82		Shrub Swamp	927.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, Saturation	Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Speckled Alder (<i>Alnus incana</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Balsam Fir (<i>Abies balsamea</i>), Tamarack (<i>Larix laricina</i>)
WL83	13-09-2024	Treed Swamp	3,638.00	Partial	N	Basin	Throughflow	Histosol (A1)	High Water Table, Saturation, Water Marks, Sediment Deposits, Sparsely Vegetated Concave Surface	Tawny Cottongrass (<i>Eriophorum virginicum</i>), Creeping Snowberry (<i>Gaultheria hispidula</i>), Bunchberry (<i>Cornus canadensis</i>), Three-leaved False Solomon's Seals (<i>Maianthemum trifolium</i>), White Meadowsweet (<i>Spiraea alba</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>), Alder Buckthorn (<i>Rhamnus frangula</i>), Tamarack (<i>Larix laricina</i>), Mountain Holly (<i>Ilex mucronata</i>)	Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>), Tamarack (<i>Larix laricina</i>), Gray Birch (<i>Betula populifolia</i>)
WL84		Treed Swamp	1,350.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Three-seeded Sedge (<i>Carex trisperma</i>), Sensitive Fern (<i>Onclea sensibilis</i>), Goldthread (<i>Coptis trifolia</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Black Sedge (<i>Carex arctata</i>), Bunchberry (<i>Cornus canadensis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)
WL85	05-09-2024	Treed Swamp	1,618.00	Partial	N	Slope	Throughflow	Histosol (A1)	Surface Water, Saturation, Water Marks, Sediment Deposits, Sparsely Vegetated Concave Surface, Drainage Patterns	Sensitive Fern (<i>Onclea sensibilis</i>), Intermediate Wood Fern (<i>Dryopteris intermedia</i>), Bristly Dewberry (<i>Rubus hispida</i>), Blue Skullcap (<i>Scutellaria lateriflora</i>), Meadow Buttercup (<i>Ranunculus acris</i>), Three-seeded Sedge (<i>Carex trisperma</i>), White Turtlehead (<i>Chelone glabra</i>)	Mountain Maple (<i>Acer spicatum</i>), Balsam Fir (<i>Abies balsamea</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL87	na	Complex (Shrub Swamp and Marsh)	7,219.00	Partial	N	Basin	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation	Bunchberry (<i>Cornus canadensis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Two-seeded Sedge (<i>Carex disperma</i>), Creeping snowberry (<i>Gaultheria hispidula</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Common Labrador Tea (<i>Rhododendron groenlandicum</i>), Sheep Laurel (<i>Kalmia angustifolia</i>), Black Spruce (<i>Picea mariana</i>), Speckled Alder (<i>Alnus incana</i>)	Black Spruce (<i>Picea mariana</i>), Tamarack (<i>Larix laricina</i>), Balsam Fir (<i>Abies balsamea</i>)
WL88	09-07-2025	Treed Swamp	7,752.00	Partial	N	Flat	Outflow	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Sensitive Fern (<i>Onclea sensibilis</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Bristly Blackberry (<i>Rubus setosus</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>)	Speckled Alder (<i>Alnus incana</i>), Common Winterberry (<i>Ilex verticillata</i>)	Common Winterberry (<i>Ilex verticillata</i>), Speckled Alder (<i>Alnus incana</i>), Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL89	12-06-2025	Treed Swamp	400.00	Partial	N	Slope	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Sensitive Fern (<i>Onclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bristly Dewberry (<i>Rubus hispida</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Narrow-leaved Cattail (<i>Typha angustifolia</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Spruce (<i>Picea rubens</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Paper Birch (<i>Betula papyrifera</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>)
WL90	12-06-2025	Shrub Swamp	179.00	Partial	N	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Presence of Reduced Iron	Bristly Dewberry (<i>Rubus hispida</i>), Sensitive Fern (<i>Onclea sensibilis</i>), White Meadowsweet (<i>Spiraea alba</i>), Speckled Alder (<i>Alnus incana</i>), Black Huckleberry (<i>Gaylussacia baccata</i>)	Speckled Alder (<i>Alnus incana</i>)	N/A
WL91	12-01-2026	Fen	667.00	Partial	Y	Basin	Throughflow	Depleted Below Dark Surface (A11)	Surface Water, High Water Table, Saturation	Broad-leaved Cattail (<i>Typha latifolia</i>), Common Woolly Bulrush (<i>Scirpus cyperinus</i>)	N/A	N/A

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL92	12-09-2024	Shrub Swamp	4,676.00	Partial	Y	Basin	Outflow	Depleted Below Dark Surface (A11)	Saturation, Hydrogen Sulfide odour	Northern Blue Flag (<i>Iris versicolor</i>), Red Raspberry (<i>Rubus idaeus</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>), White Meadowsweet (<i>Spiraea alba</i>)	White Meadowsweet (<i>Spiraea alba</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Speckled Alder (<i>Alnus incana</i>), Alder Buckthorn (<i>Rhamnus frangula</i>)	Tamarack (<i>Larix laricina</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL93	26-09-2024	Swamp	632.00	Partial	N	Basin	Isolated	Sandy Redox (S5)	Saturation	Common Cottongrass (<i>Eriophorum angustifolium</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Eastern Hay-scented Fern (<i>Dennstaedtia punctilobula</i>)	N/A	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL94	05-09-2024	Treed Swamp	1,431.00	Partial	N	Slope	Isolated	Depleted Below Dark Surface (A11)	Surface Water, High Water Table, Saturation, Sediment Deposits, Sparsely Vegetated Concave Surface, Water-stained Leaves, Drainage Patterns	New York Fern (<i>Amauropelta noveboracensis</i>), Intermediate Wood Fern (<i>Dryopteris intermedia</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Bristly Dewberry (<i>Rubus hispida</i>), Mountain Maple (<i>Acer spicatum</i>), Spotted Jewelweed (<i>Impatiens capensis</i>), Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>), Fringed Sedge (<i>Carex crinita</i>)	Mountain Maple (<i>Acer spicatum</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL100	12-09-2024	Bog	154.00	Partial	N	Flat	Isolated	Histosol (A1)	Saturation, Hydrogen Sulfide odour	Cranberry (<i>Vaccinium macrocarpon</i>), Sheep Laurel (<i>Kalmia angustifolia</i>), Common Cottongrass (<i>Eriophorum angustifolium</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Bunchberry (<i>Cornus canadensis</i>)	Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Tamarack (<i>Larix laricina</i>)	N/A
WL101	18-06-2025	Shrub Swamp	26,424.00	Partial	Y	Basin	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation	Tussock Sedge (<i>Carex stricta</i>), Crested Wood Fern (<i>Dryopteris cristata</i>), Speckled Alder (<i>Alnus incana</i>)	Mountain Fly Honeysuckle (<i>Lonicera villosa</i>), Speckled Alder (<i>Alnus incana</i>), White Meadowsweet (<i>Spiraea alba</i>), Red Raspberry (<i>Rubus idaeus</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Mountain Holly (<i>Ilex mucronata</i>)
WL102		Swamp	2,934.00	Partial	N	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Lowbush Blueberry (<i>Vaccinium angustifolium</i>), One-flowered Wintergreen (<i>Moneses uniflora</i>), Pink Lady's-Slipper (<i>Cypripedium acaule</i>)	Mountain Holly (<i>Ilex mucronata</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Spruce (<i>Picea rubens</i>), Black Spruce (<i>Picea mariana</i>)
WL103	28-10-2024	Swamp	52.00	Partial	N	Basin	Isolated	na	na	na	na	na
WL104	29-10-2025	Shrub Swamp	2,117.00	Partial	Y	Flat	Isolated	Histic Epipedon (A2)	High Water Table, Saturation	Hairy Flat-top White Aster (<i>Doellingaria umbellata</i>), Broad-leaved Cattail (<i>Typha latifolia</i>), Creeping Buttercup (<i>Ranunculus repens</i>), Bristly Dewberry (<i>Rubus hispida</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Twinflower (<i>Linnaea borealis</i>), Soft Rush (<i>Juncus effusus</i>), Bunchberry (<i>Cornus canadensis</i>), Common Woolly Bulrush (<i>Scirpus cyperinus</i>)	Balsam Fir (<i>Abies balsamea</i>), Gray Birch (<i>Betula populifolia</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Gray Birch (<i>Betula populifolia</i>)
WL105	na	Treed Swamp	7,147.00	Partial	N	Concave	Throughflow	Histosol (A1)	Surface Water, Saturation	Tussock Sedge (<i>Carex stricta</i>), Red Maple (<i>Acer rubrum</i>), Black Spruce (<i>Picea mariana</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Sensitive Fern (<i>Onoclea sensibilis</i>)	Red Maple (<i>Acer rubrum</i>), Speckled Alder (<i>Alnus incana</i>), Black Spruce (<i>Picea mariana</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Speckled Alder (<i>Alnus incana</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Black Spruce (<i>Picea mariana</i>)
WL106	17-06-2025	Bog	1,060.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation	Three-leaved False Solomon's seals (<i>Maianthemum trifolium</i>), Northern Bog Sedge (<i>Carex gynocrates</i>), Round-leaved Sundew (<i>Drosera rotundifolia</i>), Small Cranberry (<i>Vaccinium oxycoccos</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>)	N/A
WL107	12-09-2024	Shrub Swamp	2,104.00	Partial	Y	Basin	Isolated	Depleted Matrix (F3)	Saturation, Sparsely Vegetated Concave Surface	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Whorled-wood Aster (<i>Oclemea acuminata</i>)	Mountain Holly (<i>Ilex mucronata</i>), Speckled Alder (<i>Alnus incana</i>), American Mountain Ash (<i>Sorbus americana</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Paper Birch (<i>Betula papyrifera</i>)
WL108	na	Treed Swamp	2,163.00	Partial	N	na	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Canada Goldenrod (<i>Solidago canadensis</i>), Creeping Wood Sorrel (<i>Oxalis corniculata</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Bristly Dewberry (<i>Rubus hispida</i>)	Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Gray Birch (<i>Betula populifolia</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL109	17-06-2025	Bog	658.00	Partial	N	Basin	Isolated	Histosol (A1)	High Water Table, Saturation	Three-leaved False Soloman's seals (<i>Maianthemum trifolium</i>), Northern Bog Sedge (<i>Carex gynocrates</i>), Soft Rush (<i>Juncus effusus</i>)	Balsam Willow (<i>Salix pyrifolia</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Trembling Aspen (<i>Populus tremuloides</i>), Gray Birch (<i>Betula populifolia</i>)
WL110	12-09-2024	Bog	2,386.00	Partial	Y	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Hydrogen Sulfide odour	Three-leaved False Soloman's seals (<i>Maianthemum trifolium</i>), Bog Aster (<i>Oclemena nemoralis</i>), Three-seeded Sedge (<i>Carex trisperma</i>)	Speckled Alder (<i>Alnus incana</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Mountain Holly (<i>Ilex mucronata</i>), Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>)
WL111	27-09-2024	Treed Swamp	1,408.00	Partial	N	Basin	Isolated	Histosol (A1)	Saturation, Hydrogen Sulfide odour	<i>Aster sp.</i>	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Balsam Fir (<i>Abies balsamea</i>)
WL112	12-09-2024	Treed Swamp	389.00	Partial	N	Basin	Throughflow	Histic Epipedon (A2)	High Water Table, Saturation, Sparsely Vegetated Concave Surfaces	Northern Bugleweed (<i>Lycopus uniflorus</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Whorled-wood Aster (<i>Oclemena acuminata</i>)	Balsam Fir (<i>Abies balsamea</i>), American Witch Hazel (<i>Hamamelis virginiana</i>), Mountain Holly (<i>Ilex mucronata</i>), American Mountain Ash (<i>Sorbus americana</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL113	na	na	958.00	na	na	na	na	na	na	na	na	na
WL114	13-06-2025	Treed and Shrub Swamp	1,112.00	Partial	N	Basin	Isolated	Histic Epipedon (A2)	Surface Water, Saturation, Sediment Deposits, Water-stained Leaves	Bunchberry (<i>Cornus canadensis</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Three-leaved False Soloman's seals (<i>Maianthemum trifolium</i>), Goldthread (<i>Coptis trifolia</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Mountain Holly (<i>Ilex mucronata</i>), Speckled Alder (<i>Alnus incana</i>)	Speckled Alder (<i>Alnus incana</i>), Tamarack (<i>Larix laricina</i>), Red Spruce (<i>Picea rubens</i>), Balsam Fir (<i>Abies balsamea</i>), Gray Birch (<i>Betula populifolia</i>)
WL115	na	Bog	124.00	Partial	N		Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Broad-leaved Cattail (<i>Typha latifolia</i>), Canada Goldenrod (<i>Solidago canadensis</i>), Fringed Sedge (<i>Carex crinita</i>)	Red Maple (<i>Acer rubrum</i>), Black Spruce (<i>Picea mariana</i>), White Meadowsweet (<i>Spiraea alba</i>)	Gray Birch (<i>Betula populifolia</i>), Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>)
WL116	na	na	453.00	na	na	na	na	na	na	na	na	na
WL117	12-06-2025	Treed Swamp	3,824.00	Partial	Y	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Saturation Visible on Aerial Imagery	Broad-leaved Cattail (<i>Typha latifolia</i>), Needle Spikerush (<i>Eleocharis acicularis</i>), White Meadowsweet (<i>Spiraea alba</i>), Grass-leaved Goldenrod (<i>Euthamia graminifolia</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>)	Paper Birch (<i>Betula papyrifera</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Speckled Alder (<i>Alnus incana</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)
WL118	11-06-2025	Treed Swamp	625.00	Partial	Y	Basin	Isolated	Histosol (A1)	High Water Table, Saturation, Sediment Deposits, Water-stained Leaves, Drainage Patterns, Moss Trim Lines	New York Fern (<i>Amauropelta noveboracensis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bunchberry (<i>Cornus canadensis</i>), Woodland Horsetail (<i>Equisetum sylvaticum</i>), Creeping Snowberry (<i>Gaultheria hispida</i>)	Balsam Fir (<i>Abies balsamea</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>)
WL119	12-06-2025	Treed Swamp	396.00	Partial	Y	Basin	Throughflow	Sandy Mucky Mineral (S1)	Surface Water, High Water Table, Saturation, Drift Deposits, Water-stained Leaves, Aquatic Fauna, Drainage Patterns, Moss Trim Lines, Saturation Visible on Aerial Imagery	Bunchberry (<i>Cornus canadensis</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>), Balsam Fir (<i>Abies balsamea</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Northern Wild Raisin (<i>Viburnum cassinoides</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Mountain Holly (<i>Ilex mucronata</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), American Mountain Ash (<i>Sorbus americana</i>)
WL120	14-01-2026	Shrub Swamp	10,275.00	Partial	Y	Basin	Isolated	Depleted Below Dark Surface (A11)	Surface Water, High Water Table, Saturation	Balsam Fir (<i>Abies balsamea</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Speckled Alder (<i>Alnus incana</i>), Mountain Holly (<i>Ilex mucronata</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Black Spruce (<i>Picea mariana</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)
WL121	12-06-2025	Complete (Treed Swamp, bog)	32,268.00	Partial	N	Flat	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Saturation Visible on Aerial Imagery	Three-Leaved False Soloman's seals (<i>Maianthemum trifolium</i>), Sheep Laurel (<i>Kalmia angustifolia</i>), Goldthread (<i>Coptis trifolia</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Bunchberry (<i>Cornus canadensis</i>), Canada Fly Honeysuckle (<i>Lonicera canadensis</i>), Hairy Flat-top White Aster (<i>Doellingeria umbellata</i>)	Gray Birch (<i>Betula populifolia</i>), Mountain Holly (<i>Ilex mucronata</i>)	Balsam Fir (<i>Abies balsamea</i>), Gray Birch (<i>Betula populifolia</i>), Tamarack (<i>Larix laricina</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL122	09-06-2025	Complete (Shrub Swamp, Bog)	6,664.00	Partial	N	Basin	Throughflow	Histosol (A1)	Surface Water, High Water Table	Sensitive Fern (<i>Onoclea sensibilis</i>), Broad-leaved Cattail (<i>Typha latifolia</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Black Spruce (<i>Picea mariana</i>)
WL123	06-06-2025	Treed Swamp	304.00	Partial	N	Slope	Isolated	Histic Epipedon (A2)	High Water Table	Dwarf Red Raspberry (<i>Rubus pubescens</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Northern Starflower (<i>Lysimachia borealis</i>)	Balsam fir (<i>Abies balsamea</i>), Northern Wild Raisin (<i>Viburnum cassinoides</i>)	Speckled Alder (<i>Alnus incana</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL124	06-05-2025	Treed Swamp	474.00	Partial	Y	Flat	Outflow	Histic Epipedon (A2)	Surface Water, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Northern Starflower (<i>Lysimachia borealis</i>)	Speckled Alder (<i>Alnus incana</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>)	Speckled Alder (<i>Alnus incana</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL125	13-01-2026	Vernal Pool	166.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table	N/A	N/A	N/A
WL126	04-06-2025	Shrub Swamp	1,455.00	Partial	Y	Basin	Outflow	Histic Epipedon (A2)	Surface Water, Saturation, Water-stained Leaves, Oxidized Rhizospheres on Living Roots, Presence of Reduced Iron, Thin Muck Surface, Drainage Patterns, Moss Trim Lines, Dry-season Water Table	Sensitive Fern (<i>Onoclea sensibilis</i>), New York Fern (<i>Amauropelta noveboracensis</i>), American Golden Saxifrage (<i>Chrysopsisium americanum</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>)	Speckled Alder (<i>Alnus incana</i>)	Speckled Alder (<i>Alnus incana</i>)
WL127	13-01-2026	Treed Swamp	2,175.00	Partial	Y	Slope	Isolated	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation	Balsam Fir (<i>Abies balsamea</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL128	06-04-2025	Treed Swamp	211.00	Partial	Y	Slope	Throughflow	Histosol (A1)	High Water Table, Saturation	Sensitive Fern (<i>Onoclea sensibilis</i>), Marsh Blue Violet (<i>Viola cucullata</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>)	Speckled Alder (<i>Alnus incana</i>)	Speckled Alder (<i>Alnus incana</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL129	13-01-2026	Treed Swamp	1,916.00	Full	N	Slope	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Black Spruce (<i>Picea mariana</i>), Mountain Holly (<i>Ilex mucronata</i>)	Black Spruce (<i>Picea mariana</i>), Mountain Holly (<i>Ilex mucronata</i>), Balsam Fir (<i>Abies balsamea</i>)	Black Spruce (<i>Picea mariana</i>), Balsam Fir (<i>Abies balsamea</i>)
WL130	26-06-2025	Marsh	14,872.00	Partial	N	F	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Three-leaved False Solomon's seals (<i>Maianthemum trifolium</i>), Three-seeded Sedge (<i>Carex trisperma</i>), Twinflower (<i>Linnaea borealis</i>), Bunchberry (<i>Cornus canadensis</i>)	Speckled Alder (<i>Alnus incana</i>), Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</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>), Black Spruce (<i>Picea mariana</i>)
WL131	13-01-2026	Shrub Swamp	3,614.00	Partial	Y	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation	Broad-leaved Cattail (<i>Typha latifolia</i>), Common Woolly Bulrush (<i>Scirpus cyperinus</i>)	N/A	N/A
WL132	09-07-2025	Treed Swamp	6,917.00	Partial	N	Flat	Isolated	Histic Epipedon (A2)	High Water Table, Saturation, Water-stained Leaves	Bunchberry (<i>Cornus canadensis</i>), Goldthread (<i>Coptis trifolia</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Northern Starflower (<i>Lysimachia borealis</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL133	04-06-2025	Treed Swamp	4,851.00	Partial	N	Slope	Throughflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation, Sediment Deposits, Water-stained Leaves, Drainage Patterns, Moss Trim Lines	Sensitive Fern (<i>Onoclea sensibilis</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Yellow Bluebead Lily (<i>Clintonia borealis</i>), Interrupted Fern (<i>Claytonomunda claytoniana</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>)	White Ash (<i>Fraxinus americana</i>), Canada Fly Honeysuckle (<i>Lonicera canadensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)	White Ash (<i>Fraxinus americana</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL134	03-06-2025	Shrub Swamp	494.00	Partial	N	Slope	Outflow	Histic Epipedon (A2)	Saturation, Water-stained Leaves, Moss Trim Lines	Sensitive Fern (<i>Onoclea sensibilis</i>), Goldthread (<i>Coptis trifolia</i>), Northern Beech Fern (<i>Phegopteris connectilis</i>), Dwarf Red Raspberry (<i>Rubus pubescens</i>), Bunchberry (<i>Cornus canadensis</i>), Crested Wood Fern (<i>Dryopteris cristata</i>)	Mountain Holly (<i>Ilex mucronata</i>), Speckled Alder (<i>Alnus incana</i>)	White Spruce (<i>Picea glauca</i>), Balsam Fir (<i>Abies balsamea</i>), Speckled Alder (<i>Alnus incana</i>), Gray Birch (<i>Betula populifolia</i>)
WL135	11-06-2025	Swamp	36,616.00	Partial	N	Slope	Throughflow	Histic Epipedon (A2)	Surface Water, High Water Table, Saturation, Saturation Visible on Aerial Imagery	Mountain Wood Fern (<i>Dryopteris campyloptera</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Grass-leaved Goldenrod (<i>Euthamia graminifolia</i>)	Yellow Birch (<i>Betula alleghaniensis</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>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL136	11-06-2025	Treed Swamp	53.00	Partial	N	Flat	Isolated	Histosol (A1), Hydrogen Sulfide (A4)	Surface Water, High Water Table, Saturation, Drainage Patterns, Saturation Visible on Aerial Imagery	Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Mountain Wood Fern (<i>Dryopteris campyloptera</i>), Grass-leaved Goldenrod (<i>Euthamia graminifolia</i>)	Gray Birch (<i>Betula populifolia</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Gray Birch (<i>Betula populifolia</i>)
WL137	13-01-2026	Bog	596.00	Partial	Y	Basin	Isolated	Histosol (A1)	Surface Water	N/A	Balsam Fir (<i>Abies balsamea</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL138	29-10-2024	Swamp	19,176.00	Partial	Y	Basin	Isolated	na	na	na	na	na
WL139	29-10-2024	Shrub Swamp	13,035.00	Partial	Y	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Hydrogen Sulfide odour	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Bluejoint Reed Grass (<i>Calamagrostis canadensis</i>), <i>Carex</i> sp., Sensitive Fern (<i>Onoclea sensibilis</i>), Marsh Fern (<i>Thelypteris palustris</i>)	Speckled Alder (<i>Alnus incana</i>), Mountain Holly (<i>Ilex mucronata</i>), Balsam Fir (<i>Abies balsamea</i>)	Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>)
WL140	03-06-2025	Treed Swamp	63.00	Partial	Y	Slope	Isolated	Histosol (A1)	Saturation, Water-stained Leaves	Sensitive Fern (<i>Onoclea sensibilis</i>), Twinflower (<i>Linnaea borealis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Large False Soloman's Seals (<i>Maianthemum racemosum</i>)	Mountain Maple (<i>Acer spicatum</i>), Balsam Fir (<i>Abies balsamea</i>), Red Maple (<i>Acer rubrum</i>), Green Alder (<i>Alnus alnobetula</i>)	Balsam Fir (<i>Abies balsamea</i>), Gray Birch (<i>Betula populifolia</i>)
WL141	03-06-2025	Treed Swamp	701.00	Partial	N	Slope	Outflow	Histosol (A1)	Surface Water, Saturation, Water-stained Leaves, Drainage Patterns	New York Fern (<i>Amauropelta noveboracensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Bunchberry (<i>Cornus canadensis</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>)	Balsam Fir (<i>Abies balsamea</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL142	08-07-2025	Treed Swamp	1,451.00	Full	N	Flat	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation, Water-stained Leaves	Northern Starflower (<i>Lysimachia borealis</i>), Bunchberry (<i>Cornus canadensis</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Speckled Alder (<i>Alnus incana</i>), Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>)	Yellow Birch (<i>Betula alleghaniensis</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>)
WL143	23-06-2025	Treed Swamp	4,317.00	Partial	Y	Slope	Throughflow	Histosol (A1)	na	Dwarf Red Raspberry (<i>Rubus pubescens</i>), Bunchberry (<i>Cornus canadensis</i>), Eastern Teaberry (<i>Gaultheria procumbens</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Northern Starflower (<i>Lysimachia borealis</i>)	Mountain Maple (<i>Acer spicatum</i>), Balsam Fir (<i>Abies balsamea</i>)	Red Spruce (<i>Picea rubens</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Sugar Maple (<i>Acer saccharum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL144	02-06-2025	Treed Swamp	768.00	Partial	Y	Slope	Isolated	Histic Epipedon (A2)	High Water Table, Saturation, Hydrogen Sulfide odour, Moss Trim Lines	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Goldthread (<i>Coptis trifolia</i>), Wild Lily-of-the-Valley, Bunchberry (<i>Cornus canadensis</i>), Wild Sarsaparilla (<i>Aralia nudicaulis</i>)	Balsam Fir (<i>Abies balsamea</i>), Mountain Maple (<i>Acer spicatum</i>)	Balsam Fir (<i>Abies balsamea</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)
WL145	13-01-2026	Treed Swamp	1,437.00	Partial	N	Basin	Throughflow	Histosol (A1)	Surface Water, High Water Table, Saturation	Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), Balsam Fir (<i>Abies balsamea</i>)	Mountain Holly (<i>Ilex mucronata</i>), Red Maple (<i>Acer rubrum</i>)	Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>), Red Maple (<i>Acer rubrum</i>)

Wetland ID	Date (dd-mm-yy)	Wetland Type	Area (m ²)	Delineation Type	Alterations Present? (Y/N)	Landform	Water Flow	Soil Type	Surface/ Hydrological Conditions	Dominant Vegetation		
										Herbaceous	Shrub	Trees
WL146	29-05-2025	Treed Swamp	731.00	Partial	Y	Slope	Isolated	Depleted Matrix (F3)	Surface Water, High Water Table, Saturation, Sparsley Vegetated Concave Surface, Water-stained Leaves, Moss Trim Lines	Sensitive Fern (<i>Onoclea sensibilis</i>), Low Rough Aster (<i>Eurybia radula</i>), Goldthread (<i>Coptis trifolia</i>), Lady Fern (<i>Athyrium filix-femina</i>)	Red Maple (<i>Acer rubrum</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>)
WL147	13-01-2026	Treed Swamp	3,239.00	Partial	N	Basin	Throughflow	Depleted Below Dark Surface (A11)	Surface Water, High Water Table	N/A	N/A	N/A
WL148	13-01-2025	Complex (Shrub Swamp and Bog)	32,182.00	Partial	N	Flat	Isolated	na	na	na	na	na
WL149	17-06-2025	Treed Swamp	6,471.00	Partial	Y	Basin	Isolated	Histosol (A1)	Surface Water, High Water Table, Saturation, Saturation Visible on Aerial Imagery	Bunchberry (<i>Cornus canadensis</i>), Three-leaved False Solomon's seals (<i>Maianthemum trifolium</i>), Wild Lily-of-the-Valley (<i>Maianthemum canadense</i>), Northern Bog Sedge (<i>Carex gynocrates</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</i>)	Mountain Holly (<i>Ilex mucronata</i>), Yellow Birch (<i>Betula alleghaniensis</i>), Balsam Fir (<i>Abies balsamea</i>), Paper Birch (<i>Betula papyrifera</i>)	Red Maple (<i>Acer rubrum</i>), Balsam Fir (<i>Abies balsamea</i>), Black Spruce (<i>Picea mariana</i>), Yellow Birch (<i>Betula alleghaniensis</i>)
WL150	02-07-2025	Treed Swamp	1,859.00	Partial	N	Flat	Isolated	Histosol (A1)	High Water Table, Saturation, Water-stained Leaves	Striped Maple (<i>Acer pensylvanicum</i>), Sensitive Fern (<i>Onoclea sensibilis</i>), Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>), New York Fern (<i>Amauropelta noveboracensis</i>), Bunchberry (<i>Cornus canadensis</i>), Northern Starflower (<i>Lysimachia borealis</i>), Goldthread (<i>Coptis trifolia</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)	Yellow Birch (<i>Betula alleghaniensis</i>), Red Maple (<i>Acer rubrum</i>)



Photo 1: A representative photo of WL1.



Photo 2: A representative photo of WL2.



Photo 3: A representative photo of WL3.



Photo 4: A representative photo of WL4.



Photo 5: A representative photo of WL5.



Photo 6: A representative photo of WL6.



Photo 7: A representative photo of WL7.



Photo 8: A representative photo of WL8.



Photo 9: A representative photo of WL9.



Photo 10: A representative photo of WL10.



Photo 11: A representative photo of WL11.



Photo 12: A representative photo of WL12.



Photo 13: A representative photo of WL13.



Photo 14: A representative photo of WL14.



Photo 15: A representative photo of WL15.



Photo 16: A representative photo of WL16.



Photo 17: A representative photo of WL17.



Photo 18: A representative photo of WL18.



Photo 19: A representative photo of WL19.



Photo 20: A representative photo of WL20.



Photo 21: A representative photo of WL21.



Photo 22: A representative photo of WL22.



Photo 23: A representative photo of WL23,



Photo 24: A representative photo of WL24.



Photo 25: A representative photo of WL25.



Photo 26: A representative photo of WL26.



Photo 27: A representative photo of WL27.



Photo 28: A representative photo of WL28.



Photo 29: A representative photo of WL29.



Photo 30: A representative photo of WL30.



Photo 31: A representative photo of WL31.



Photo 32: A representative photo of WL32.



Photo 33: A representative photo of WL33.



Photo 34: A representative photo of WL34.



Photo 35: A representative photo of WL35.



Photo 36: A representative photo of WL36.



Photo 37: A representative photo of WL37.



Photo 38: A representative photo of WL38.



Photo 39: A representative photo of WL39.



Photo 40: A representative photo of WL41.



Photo 41: A representative photo of WL42.



Photo 42: A representative photo of WL43.



Photo 43: A representative photo of WL45.



Photo 44: A representative photo of WL46.



Photo 45: A representative photo of WL47.



Photo 46: A representative photo of WL48.



Photo 47: A representative photo of WL49.



Photo 48: A representative photo of WL53.



Photo 49: A representative photo of WL54.



Photo 50: A representative photo of WL55.



Photo 51: A representative photo of WL56.



Photo 52: A representative photo of WL57.



Photo 53: A representative photo of WL58.



Photo 54: A representative photo of WL59.



Photo 55: A representative photo of WL60.



Photo 56: A representative photo of WL61.



Photo 57: A representative photo of WL62.



Photo 58: A representative photo of WL63.



Photo 59: A representative photo of WL64.



Photo 60: A representative photo of WL65.



Photo 61: A representative photo of WL66.



Photo 62: A representative photo of WL67.



Photo 63: A representative photo of WL68.



Photo 64: A representative photo of WL69.



Photo 65: A representative photo of WL70.



Photo 66: A representative photo of WL71.



Photo 67: A representative photo of WL73.



Photo 68: A representative photo of WL74.



Photo 69: A representative photo of WL75.



Photo 70: A representative photo of WL76.



Photo 71: A representative photo of WL77.



Photo 72: A representative photo of WL78.



Photo 73: A representative photo of WL79.



Photo 74: A representative photo of WL81.



Photo 75: A representative photo of WL83.



Photo 76: A representative photo of WL86.



Photo 77: A representative photo of WL88.



Photo 78: A representative photo of WL90.



Photo 79: A representative photo of WL91.



Photo 80: A representative photo of WL92.



Photo 81: A representative photo of WL93.



Photo 82: A representative photo of WL94.



Photo 83: A representative photo of WL95.



Photo 84: A representative photo of WL97.



Photo 85: A representative photo of WL98.



Photo 86: A representative photo of WL99.



Photo 87: A representative photo of WL100.



Photo 88: A representative photo of WL101.



Photo 89: A representative photo of WL104.



Photo 90: A representative photo of WL106.



Photo 91: A representative photo of WL107.



Photo 92: A representative photo of WL109.



Photo 93: A representative photo of WL110.



Photo 94: A representative photo of WL111.



Photo 95: A representative photo of WL112.



Photo 96: A representative photo of WL114.



Photo 97: A representative photo of WL117.



Photo 98: A representative photo of WL118.



Photo 99: A representative photo of WL119.



Photo 100: A representative photo of WL120.



Photo 101: A representative photo of WL121.



Photo 102: A representative photo of WL122.



Photo 103: A representative photo of WL124.



Photo 104: A representative photo of WL125.



Photo 105: A representative photo of WL126.



Photo 106: A representative photo of WL127.



Photo 107: A representative photo of WL128.



Photo 108: A representative photo of WL129.



Photo 109: A representative photo of WL130.



Photo 110: A representative photo of WL131.



Photo 111: A representative photo of WL132.



Photo 112: A representative photo of WL133.



Photo 113: A representative photo of WL134.



Photo 114: A representative photo of WL135.



Photo 115: A representative photo of WL136.



Photo 116: A representative photo of WL137.



Photo 117: A representative photo of WL139,



Photo 118: A representative photo of WL140.



Photo 119: A representative photo of WL141.



Photo 120: A representative photo of WL142.



Photo 121: A representative photo of WL143.



Photo 122: A representative photo of WL144.



Photo 123: A representative photo of WL145.



Photo 124: A representative photo of WL146.



Photo 125: A representative photo of WL147.



Photo 126: A representative photo of WL148.



Photo 127: A representative photo of WL149.



Photo 128: A representative photo of WL150.