

DATA REPORT 7695: Antigonish, NS

Prepared 11 June 2023

by J. Churchill, Data Manager

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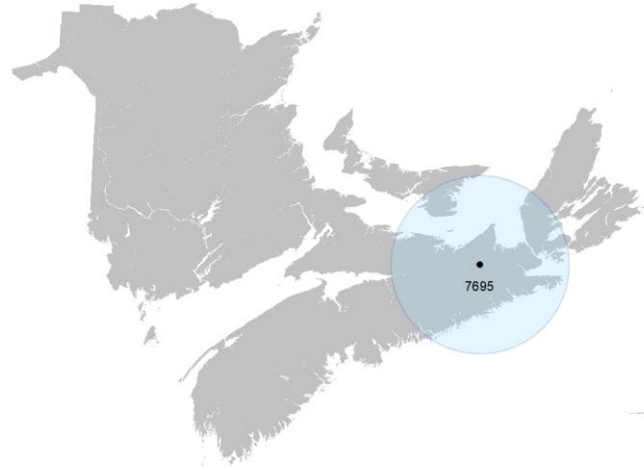
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5.1 Source Bibliography



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

AntigonishNS_7695ob.xls

AntigonishNS_7695ob100km.xls

AntigonishNS_7695msa.xls

AntigonishNS_7695ff_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 in order to understand the record's relevance to a particular location. Please see attached Data Dictionary for details.
- f) AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
- g) The absence of a taxon cannot be inferred by its absence in an AC CDC data response.

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

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

Plants, Lichens, Ranking Methods, All other Inquiries

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

2.0 RARE AND ENDANGERED SPECIES

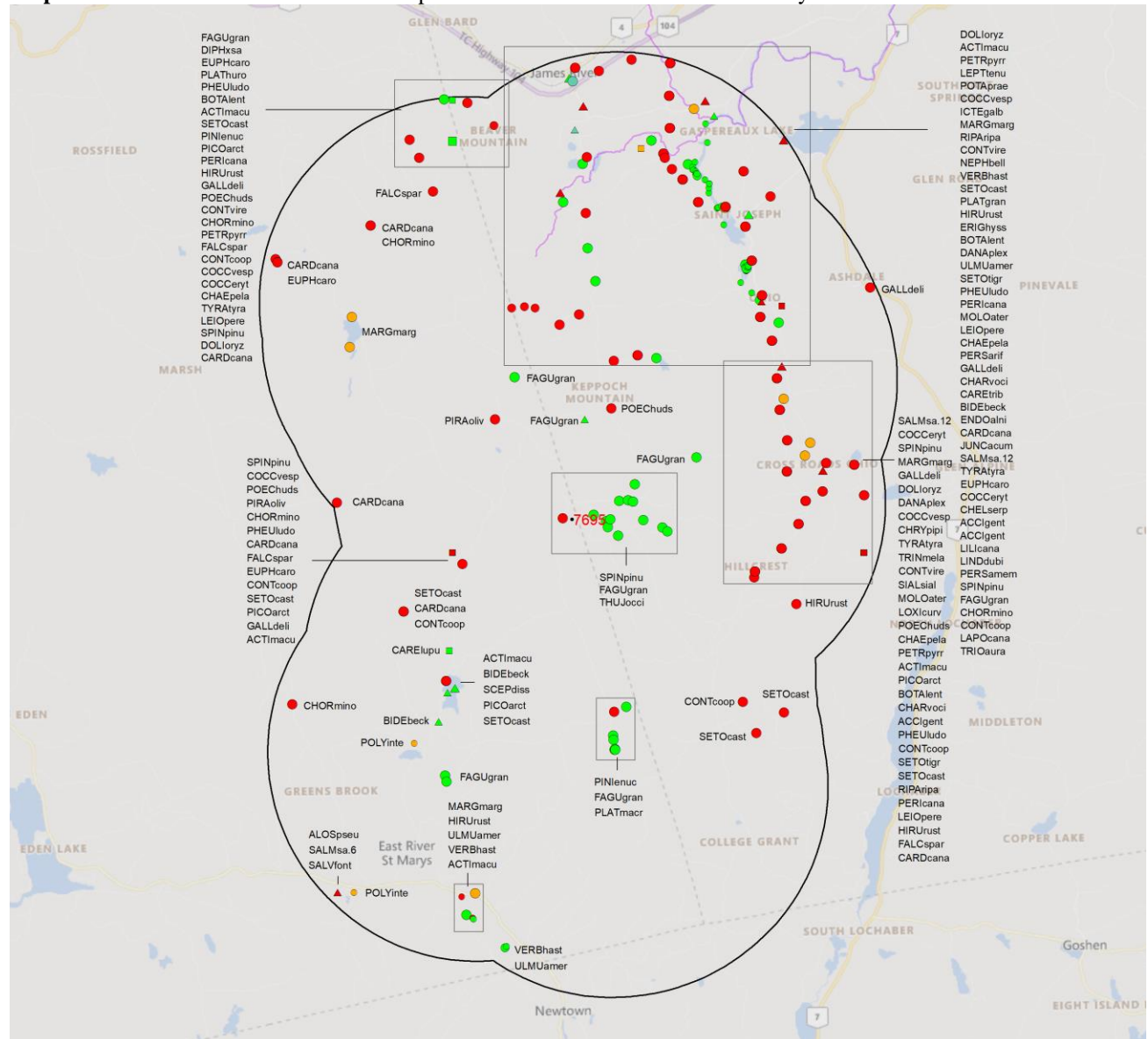
2.1 FLORA

The study area contains 86 records of 22 vascular and 2 records of 2 nonvascular flora (Map 2 and attached: *ob.xls), excluding 'location-sensitive' species.

2.2 FAUNA

The study area contains 629 records of 40 vertebrate and 11 records of 3 invertebrate fauna (Map 2 and attached data files - see 1.1 Data List), excluding 'location-sensitive species'. Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

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



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

- HIGHER TAXON**
- vertebrate fauna
 - invertebrate fauna
 - vascular flora
 - nonvascular flora

3.0 SPECIAL AREAS

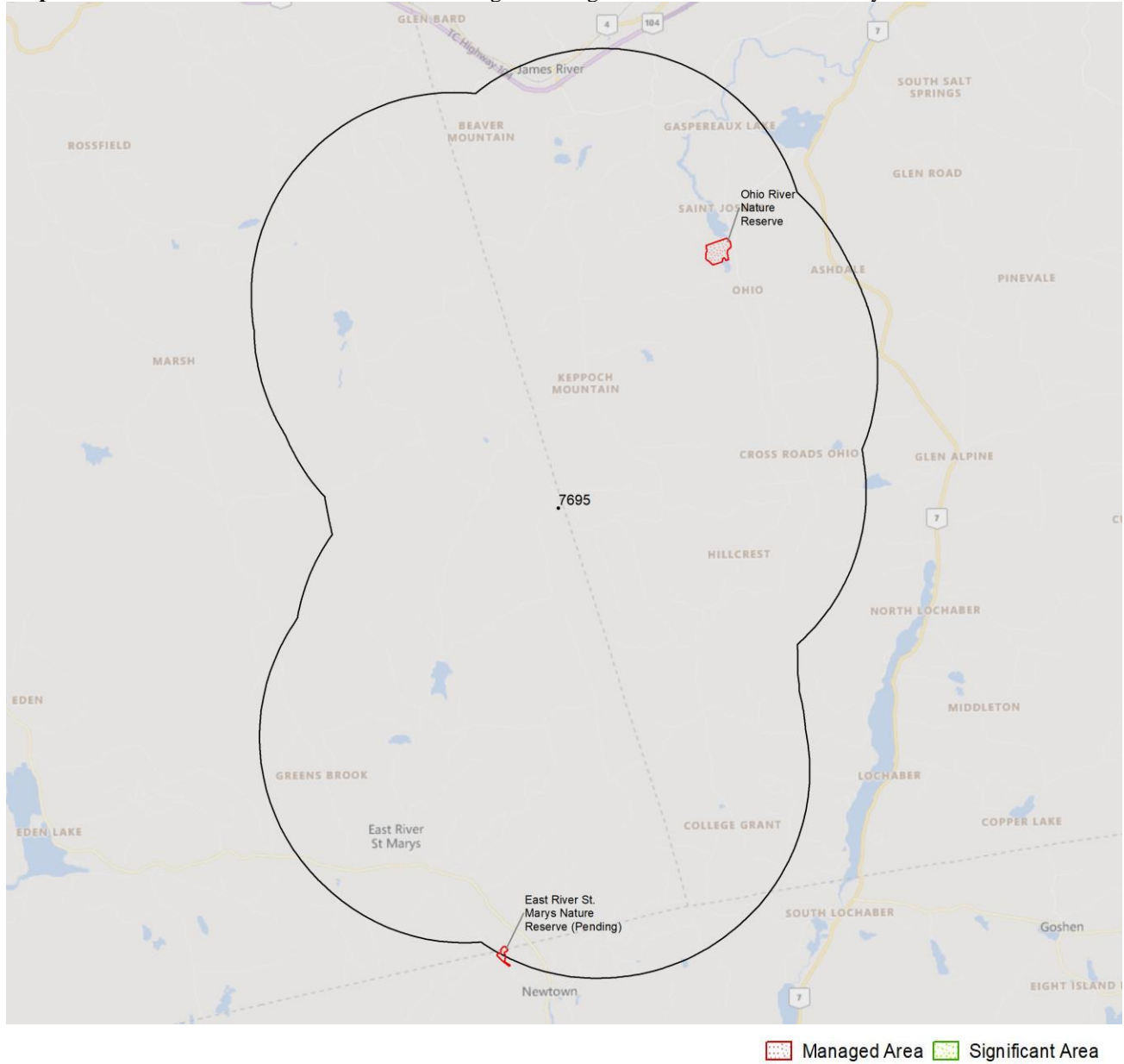
3.1 MANAGED AREAS

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

3.2 SIGNIFICANT AREAS

The GIS scan identified no biologically significant sites in the vicinity of the study area (Map 3).

Map 3: Boundaries and/or locations of known Managed and Significant Areas within the study 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>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	1	10.6 \pm 0.0
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	1	9.5 \pm 0.0
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	1	9.6 \pm 10.0
P	<i>Lilium canadense</i>	Canada Lily				S2	2	7.5 \pm 0.0
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	3	5.7 \pm 0.0
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	1	1.7 \pm 0.0
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	11	10.4 \pm 0.0
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	6	8.3 \pm 0.0
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimpernel				S3	2	7.4 \pm 0.0
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	1	7.0 \pm 0.0
P	<i>Carex lupulina</i>	Hop Sedge				S3	1	4.4 \pm 6.0
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	3	8.9 \pm 0.0
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	1	9.4 \pm 0.0
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	4	10.7 \pm 1.0
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	1	5.0 \pm 1.0
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	1	7.4 \pm 0.0
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	1	10.6 \pm 5.0
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	1	9.7 \pm 0.0
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	3	5.2 \pm 0.0
P	<i>Fagus grandifolia</i>	American Beech				S3S4	29	0.5 \pm 0.0
P	<i>Endotropis alnifolia</i>	alder-leaved buckthorn				S3S4	1	8.8 \pm 0.0
P	<i>Ulmus americana</i>	White Elm				S3S4	5	10.5 \pm 0.0
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	7	10.0 \pm 0.0
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	1	8.6 \pm 0.0

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Salmo salar</i> pop. 6	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	1	10.7 \pm 0.0
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	9	10.0 \pm 0.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	9	7.1 \pm 0.0
A	<i>Salmo salar</i> pop. 12	Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population	Special Concern			S1	2	6.3 \pm 1.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	9	10.0 \pm 0.0
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	4	10.9 \pm 0.0
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	59	10.5 \pm 1.0
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	22	3.0 \pm 7.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	7	3.0 \pm 7.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	27	3.0 \pm 7.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	56	10.6 \pm 0.0
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	38	10.6 \pm 0.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	29	10.6 \pm 0.0
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	1	6.2 \pm 1.0
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	4	5.5 \pm 0.0
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	4	5.2 \pm 0.0
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	4	5.5 \pm 0.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	2	3.0 ± 7.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	8	11.0 ± 0.0
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	2	10.7 ± 1.0
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	7	10.4 ± 0.0
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	19	2.9 ± 0.0
A	<i>Spinus pinus</i>	Pine Siskin				S3	31	0.2 ± 0.0
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	1	10.7 ± 0.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B	26	11.3 ± 0.0
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	4	5.7 ± 0.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	5	7.0 ± 0.0
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	76	10.6 ± 0.0
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	1	10.7 ± 0.0
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	1	7.0 ± 0.0
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	15	3.0 ± 7.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	64	10.6 ± 0.0
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	2	4.8 ± 0.0
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	10	4.6 ± 0.0
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	6	3.0 ± 7.0
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	1	6.3 ± 0.0
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	15	10.6 ± 0.0
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	13	2.9 ± 0.0
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	16	10.0 ± 0.0
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	19	11.3 ± 0.0
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	2	6.1 ± 0.0
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	7	10.4 ± 0.0
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	2	10.5 ± 0.0

4.3 LOCATION SENSITIVE SPECIES

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

Nova Scotia

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

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

4.4 SOURCE BIBLIOGRAPHY

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

# recs	CITATION
420	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
157	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
37	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca.
28	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
24	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
14	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
8	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
7	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
6	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
6	Pulsifer, M.D. 2002. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 369 recs.
5	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
3	Cameron-MacMillan, Maureen. 2020. Northern Goshawk Nests in Eastern Nova Scotia, as of November, 2020. Nova Scotia Department of Lands and Forestry.
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2	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.
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2	Taylor, B.R., and Tam, J.C. 2012. Local distribution of the rare plant <i>Triosteum aurantiacum</i> in northeastern Nova Scotia, Canada. <i>Rhodora</i> , 114(960): 366-382.
1	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
1	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
1	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
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	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
1	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
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 32976 records of 146 vertebrate and 796 records of 54 invertebrate fauna; 5290 records of 246 vascular and 3256 records of 122 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	55	6.5 \pm 0.0	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	30	71.3 \pm 1.0	PE
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	7	56.3 \pm 0.0	NS
A	<i>Salmo salar pop. 4</i>	Atlantic Salmon - Eastern Cape Breton population	Endangered			S1	6	71.5 \pm 0.0	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	39	10.7 \pm 0.0	NS
A	<i>Charadrius melodus</i>	Piping Plover melodus	Endangered	Endangered	Endangered	S1B	1344	25.7 \pm 7.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>melodus</i>	subspecies							
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	79	53.7 ± 0.0	NS
A	<i>Dermochelys coriacea</i> pop. 2	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	2	58.3 ± 0.0	NS
A	<i>Lamna nasus</i>	Porbeagle Shark	Endangered			SNR	1	32.2 ± 1.0	NS
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	1	99.0 ± 7.0	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	5	29.9 ± 7.0	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	8306	1.6 ± 0.0	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1047	4.6 ± 0.0	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	656	7.1 ± 0.0	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	8	25.9 ± 0.0	NS
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	69	35.1 ± 0.0	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	281	21.7 ± 0.0	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	46	15.3 ± 1.0	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	2	67.3 ± 0.0	NS
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	27	16.1 ± 0.0	NS
A	<i>Salmo salar</i> pop. 12	Atlantic Salmon - Gaspe - Southern Gulf of St. Lawrence population	Special Concern			S1	33	6.3 ± 1.0	NS
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	4	20.5 ± 7.0	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	8	46.5 ± 0.0	NS
A	<i>Bucephala islandica</i>	Barrow's Goldeneye	Special Concern	Special Concern		S1N,SUM	29	33.0 ± 0.0	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	235	3.0 ± 7.0	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	2	52.9 ± 0.0	NS
A	<i>Morone saxatilis</i> pop. 1	Striped Bass - Southern Gulf of St. Lawrence population	Special Concern			S2S3N	1	24.4 ± 1.0	NS
A	<i>Histrionicus histrionicus</i> pop. 1	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2S3N,SUM	46	51.0 ± 0.0	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	84	7.3 ± 5.0	NS
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1549	4.6 ± 0.0	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	979	3.0 ± 7.0	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	361	3.0 ± 7.0	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	1158	3.0 ± 7.0	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	914	5.3 ± 0.0	NS
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	658	3.0 ± 7.0	NS
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern		S3N,SUM	15	29.3 ± 0.0	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	682	5.3 ± 0.0	NS
A	<i>Phocoena phocoena</i>	Harbour Porpoise	Special Concern			S4	19	32.5 ± 0.0	NS
A	<i>Phocoena phocoena</i> pop. 1	Harbour Porpoise - Northwest Atlantic Population	Special Concern			S4	3	54.1 ± 1.0	NS
A	<i>Chrysemys picta</i>	Painted Turtle	Special Concern	Special Concern		S4	4	35.3 ± 0.0	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	7	6.2 ± 1.0	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	12	19.0 ± 0.0	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	13	52.9 ± 0.0	NS
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S1B	3	35.1 ± 0.0	NS
A	<i>Falco peregrinus</i> pop. 1	Peregrine Falcon - anatum/tundrius	Not At Risk		Vulnerable	S1B,SUM	9	51.3 ± 0.0	NS
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S2?B,SUM	10	24.0 ± 0.0	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	6	76.5 ± 1.0	NS
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	1	86.1 ± 100.0	NS
A	<i>Hemidactylum scutatum</i>	Four-toed Salamander	Not At Risk			S3	16	43.6 ± 0.0	NS
A	<i>Megaptera novaeangliae</i>	Humpback Whale	Not At Risk			S3	12	58.0 ± 0.0	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	504	20.5 ± 7.0	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	29	5.5 ± 0.0	NS
A	<i>Buteo lagopus</i>	Rough-legged Hawk	Not At Risk			S3N	16	44.5 ± 0.0	NS
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	102	5.2 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Glaucomys volans</i>	Southern Flying Squirrel	Not At Risk			S3S4	1	65.3 ± 0.0	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	4	58.8 ± 0.0	NS
A	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	135	21.8 ± 0.0	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	22	25.9 ± 0.0	NS
A	<i>Calidris canutus</i>	Red Knot	E,SC	E,T		S2M	7	28.9 ± 0.0	NS
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S2S3B,S2S3N	5	28.5 ± 0.0	NS
A	<i>Salmo salar</i>	Atlantic Salmon	E,T,SC			S1B,S1N	5	21.8 ± 0.0	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	130	19.1 ± 0.0	NS
A	<i>Alces alces</i>	Moose				S1	14	24.1 ± 0.0	NS
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S1?	4	28.8 ± 0.0	NS
A	<i>Uria aalge</i>	Common Murre				S1?B	1	92.7 ± 0.0	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	19	18.5 ± 0.0	NS
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1B	1	33.8 ± 7.0	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	9	11.6 ± 7.0	NS
A	<i>Gallinula galeata</i>	Common Gallinule				S1B	5	75.4 ± 7.0	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	4	53.7 ± 7.0	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	23	19.0 ± 0.0	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	10	30.0 ± 7.0	NS
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	391	21.7 ± 0.0	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	227	21.7 ± 0.0	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	18	22.0 ± 0.0	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	18	20.5 ± 7.0	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	68	8.1 ± 0.0	NS
A	<i>Pooecetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	21	20.5 ± 7.0	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	38	20.5 ± 7.0	NS
A	<i>Alca torda</i>	Razorbill				S2B	8	29.0 ± 2.0	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	4	61.8 ± 0.0	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	8	20.5 ± 7.0	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	95	5.5 ± 0.0	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	8	20.6 ± 1.0	NS
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	19	20.6 ± 0.0	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	12	3.0 ± 7.0	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	184	28.2 ± 1.0	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	29	15.2 ± 0.0	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	21	11.6 ± 7.0	NS
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	8	53.8 ± 0.0	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	182	7.1 ± 7.0	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	287	20.6 ± 0.0	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	10	20.2 ± 0.0	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	21	19.7 ± 0.0	NS
A	<i>Bucephala clangula</i>	Common Goldeneye				S2S3B,S5N,S5M	213	19.4 ± 7.0	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	60	6.7 ± 0.0	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	23	25.9 ± 0.0	NS
A	<i>Numenius phaeopus</i>	Whimbrel				S2S3M	10	29.0 ± 0.0	NS
A	<i>Numenius phaeopus hudsonicus</i>	Whimbrel				S2S3M	69	25.9 ± 0.0	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	1	53.1 ± 0.0	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	521	4.6 ± 0.0	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	1046	2.9 ± 0.0	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	458	0.2 ± 0.0	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	72	10.7 ± 0.0	NS
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	1	51.8 ± 0.0	NS
A	<i>Pekania pennanti</i>	Fisher				S3	8	19.6 ± 0.0	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	10	31.4 ± 0.0	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	144	11.6 ± 7.0	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	375	5.5 ± 0.0	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	768	20.5 ± 7.0	NS

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A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	99	21.0 ± 7.0	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	76	5.7 ± 0.0	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	179	7.0 ± 0.0	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	505	3.0 ± 7.0	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	23	10.7 ± 0.0	NS
A	<i>Somateria mollissima</i>	Common Eider				S3B,S3M,S3N	599	27.7 ± 10.0	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	429	7.0 ± 0.0	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	381	3.0 ± 7.0	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	732	3.0 ± 7.0	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	150	21.3 ± 0.0	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	131	11.2 ± 7.0	NS
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	115	4.8 ± 0.0	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	275	4.6 ± 0.0	NS
A	<i>Branta bernicla</i>	Brant				S3M	1	69.7 ± 16.0	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	272	21.7 ± 0.0	NS
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	157	25.9 ± 0.0	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	304	21.7 ± 0.0	NS
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	34	28.9 ± 0.0	NS
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	154	28.3 ± 0.0	NS
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	48	20.5 ± 1.0	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	148	3.0 ± 7.0	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	144	6.3 ± 0.0	NS
A	<i>Sorex albibarbis</i>	Eastern Water Shrew				S3S4	1	77.9 ± 0.0	PE
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	317	7.1 ± 0.0	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	557	2.9 ± 0.0	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	726	3.0 ± 7.0	NS
A	<i>Leiopythys peregrina</i>	Tennessee Warbler				S3S4B,S5M	527	4.6 ± 0.0	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	129	12.9 ± 7.0	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3S4B,S5M,S5N	170	20.5 ± 7.0	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	34	28.9 ± 0.0	NS
A	<i>Lanius borealis</i>	Northern Shrike				S3S4N	5	22.9 ± 0.0	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	134	30.1 ± 0.0	NS
A	<i>Aythya americana</i>	Redhead				SHB	8	20.6 ± 0.0	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	3	61.7 ± 0.0	NS
A	<i>Progne subis</i>	Purple Martin				SHB	5	50.7 ± 0.0	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	14	28.7 ± 0.0	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	8	10.6 ± 5.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	199	6.1 ± 0.0	NS
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SH	2	90.7 ± 5.0	NS
I	<i>Alasmodonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	8	9.4 ± 0.0	NS
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	74	10.6 ± 5.0	NS
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern		Endangered	SH	7	55.5 ± 2.0	NS
I	<i>Polygonia satyrus</i>	Satyr Comma				S1?	8	86.1 ± 5.0	NS
I	<i>Euphyes bimaculata</i>	Two-spotted Skipper				S1S2	2	28.3 ± 0.0	NS
I	<i>Boloria chariclea</i>	Arctic Fritillary				S1S2	1	94.9 ± 2.0	NS
I	<i>Tharsalea dorcas</i>	Dorcas Copper				S2	19	87.9 ± 0.0	NS
I	<i>Tharsalea dospassosi</i>	Maritime Copper				S2	20	56.5 ± 0.0	NS
I	<i>Satyrrium acadica</i>	Acadian Hairstreak				S2	7	51.4 ± 2.0	NS
I	<i>Neurocordulia michaeli</i>	Broad-tailed Shadowdragon				S2	26	22.9 ± 0.0	NS
I	<i>Coenagrion resolutum</i>	Taiga Bluet				S2	18	68.9 ± 1.0	PE
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	111	5.9 ± 0.0	NS
I	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	1	31.0 ± 1.0	NS
I	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S2S3	6	37.9 ± 0.0	NS
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	5	43.0 ± 2.0	NS
I	<i>Lanthus vernalis</i>	Southern Pygmy Clubtail				S2S3	8	22.9 ± 0.0	NS
I	<i>Alasmodonta undulata</i>	Triangle Floater				S2S3	10	13.7 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	<i>Psephenus herricki</i>	Herrick's Water Penny Beetle				S3	1	76.0 ± 0.0	NS
I	<i>Chrysochus auratus</i>	Dogbane Leaf Beetle				S3	2	43.2 ± 0.0	NS
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	3	19.7 ± 0.0	NS
I	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	3	66.0 ± 0.0	PE
I	<i>Iphthiminius opacus</i>	Cloudy Darkling Beetle				S3	2	63.2 ± 0.0	PE
I	<i>Monochamus marmorator</i>	Balsam Fir Sawyer				S3	2	23.9 ± 0.0	NS
I	<i>Satyrium calanus</i>	Banded Hairstreak				S3	1	42.1 ± 2.0	NS
I	<i>Callophrys lanoraieensis</i>	Bog Elfin				S3	6	28.3 ± 0.0	NS
I	<i>Strymon melinus</i>	Gray Hairstreak				S3	2	93.0 ± 1.0	NS
I	<i>Phanogomphus descriptus</i>	Harpoon Clubtail				S3	16	71.7 ± 0.0	NS
I	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	5	71.7 ± 0.0	NS
I	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	14	11.0 ± 0.0	NS
I	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S3	36	22.9 ± 0.0	NS
I	<i>Somatochlora forcipata</i>	Forcipate Emerald				S3	1	94.5 ± 0.0	PE
I	<i>Enallagma vernale</i>	Vernal Bluet				S3	4	64.7 ± 0.0	NS
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	34	6.7 ± 0.0	NS
I	<i>Cecropterus pylades</i>	Northern Cloudywing				S3S4	24	13.8 ± 0.0	NS
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	12	18.0 ± 0.0	NS
I	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	1	50.2 ± 0.0	NS
I	<i>Argynnis aphrodite</i>	Aphrodite Fritillary				S3S4	5	10.9 ± 100.0	NS
I	<i>Polygonia faunus</i>	Green Comma				S3S4	12	10.7 ± 0.0	NS
I	<i>Oeneis jutta</i>	Jutta Arctic				S3S4	9	11.9 ± 0.0	NS
I	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	3	52.5 ± 1.0	NS
I	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	10	50.9 ± 1.0	NS
I	<i>Boyeria grafiana</i>	Ocellated Darner				S3S4	9	19.6 ± 0.0	NS
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	4	43.6 ± 0.0	NS
I	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	1	88.2 ± 1.0	PE
I	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	4	29.0 ± 0.0	NS
I	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	7	22.7 ± 0.0	NS
I	<i>Sympetrum danae</i>	Black Meadowhawk				S3S4	9	14.0 ± 1.0	NS
I	<i>Amphiagrion saucium</i>	Eastern Red Damsel				S3S4	8	70.2 ± 0.0	NS
I	<i>Sphaerophoria pyrrhina</i>	Violaceous Globetail				SH	1	89.9 ± 5.0	NS
I	<i>Icaricia saepiolus</i>	Greenish Blue				SH	3	42.3 ± 2.0	NS
I	<i>Polygonia gracilis</i>	Hoary Comma				SH	2	43.0 ± 2.0	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	24	41.4 ± 0.0	NS
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	512	25.1 ± 0.0	NS
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	16	40.1 ± 0.0	NS
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	64	87.6 ± 5.0	NS
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	23	16.8 ± 1.0	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	7	53.5 ± 0.0	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen	Threatened			S3	8	48.4 ± 0.0	NS
N	<i>Pectenia plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	688	17.1 ± 0.0	NS
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	24	26.8 ± 0.0	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	9	32.0 ± 0.0	NS
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	7	24.4 ± 0.0	NS
N	<i>Chaenotheca servitii</i>	Flexuous Golden Stubble	Data Deficient			S1	1	51.3 ± 1.0	NS
N	<i>Cinclidium stygium</i>	Sooty Cupola Moss				S1	2	91.7 ± 0.0	NS
N	<i>Cyrto-hyponum minutulum</i>	Tiny Cedar Moss				S1	1	51.3 ± 0.0	NS
N	<i>Lichina confinis</i>	Marine Seaweed Lichen				S1	2	83.6 ± 2.0	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns Woollybear Lichen				S1	2	64.1 ± 0.0	NS
N	<i>Sticta limbata</i>	Powdered Moon Lichen				S1	2	92.4 ± 2.0	NS
N	<i>Peltigera lepidophora</i>	Scaly Pelt Lichen				S1	2	78.2 ± 0.0	PE
N	<i>Hypogymnia hultenii</i>	Powdered Honeycomb				S1	12	51.5 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Jubula pennsylvanica</i>	Lichen a liverwort				S1?	2	25.7 ± 0.0	NS
N	<i>Conardia compacta</i>	Coast Creeping Moss				S1?	1	91.5 ± 2.0	NS
N	<i>Tortula obtusifolia</i>	a Moss				S1?	3	73.8 ± 0.0	NS
N	<i>Enchylum limosum</i>	Lime-loving Tarpaper Lichen				S1?	1	96.5 ± 0.0	PE
N	<i>Scytinium intermedium</i>	Forty-five Jellyskin Lichen				S1?	1	29.5 ± 4.0	NS
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen				S1?	1	81.2 ± 0.0	NS
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	1	96.9 ± 0.0	NS
N	<i>Hamatocaulis vernicosus</i>	a Moss				S1S2	1	91.3 ± 0.0	NS
N	<i>Placidium squamulosum</i>	Limy Soil Stipplescale Lichen				S1S2	1	75.0 ± 6.0	NS
N	<i>Cladonia labradorica</i>	Labrador Lichen				S1S2	1	39.3 ± 0.0	NS
N	<i>Peltigera ponojensis</i>	Pale-bellied Pelt Lichen				S1S2	1	49.7 ± 0.0	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	1	52.2 ± 0.0	NS
N	<i>Solorina spongiosa</i>	Blinking Owl Lichen				S1S2	7	15.5 ± 0.0	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	19	47.8 ± 0.0	NS
N	<i>Peltigera neckeri</i>	Black-saddle Pelt Lichen				S1S3	4	17.6 ± 0.0	NS
N	<i>Anacamptodon splachnoides</i>	a Moss				S2	1	53.1 ± 0.0	NS
N	<i>Scorpidium scorpioides</i>	Hooked Scorpion Moss				S2	3	86.2 ± 0.0	NS
N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S2	2	91.3 ± 0.0	NS
N	<i>Scorpidium cossonii</i>	Cosson's Hook Moss				S2	5	90.8 ± 0.0	NS
N	<i>Scytinium imbricatum</i>	Scaly Jellyskin Lichen				S2	1	95.7 ± 0.0	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	1	26.3 ± 0.0	NS
N	<i>Moerckia flotoviana</i>	Flotow's Ruffwort				S2?	1	98.8 ± 0.0	PE
N	<i>Riccardia multifida</i>	Delicate Germanderwort				S2?	2	44.8 ± 0.0	NS
N	<i>Anomodon viticulosus</i>	a Moss				S2?	2	90.0 ± 1.0	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	2	19.6 ± 3.0	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	1	57.8 ± 0.0	NS
N	<i>Pseudocampyllum radicale</i>	Long-stalked Fine Wet Moss				S2?	1	86.2 ± 0.0	NS
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	1	82.1 ± 0.0	PE
N	<i>Philonotis marchica</i>	a Moss				S2?	2	81.2 ± 0.0	NS
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2?	5	29.4 ± 0.0	NS
N	<i>Saelania glaucescens</i>	Blue Dew Moss				S2?	1	89.3 ± 0.0	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	1	89.3 ± 0.0	NS
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S2S3	1	98.4 ± 25.0	NS
N	<i>Scorpidium revolvens</i>	Limprichtia Moss				S2S3	6	91.2 ± 0.0	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	57	30.0 ± 0.0	NS
N	<i>Moelleropsis nebulosa ssp. frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	3	44.1 ± 0.0	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	17	16.7 ± 0.0	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	114	12.6 ± 0.0	NS
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	4	44.7 ± 0.0	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	6	26.0 ± 6.0	NS
N	<i>Cetraria muricata</i>	Spiny Heath Lichen				S2S3	1	53.1 ± 1.0	NS
N	<i>Cladonia incrassata</i>	Powder-foot British Soldiers Lichen				S2S3	1	40.1 ± 0.0	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	16	10.6 ± 0.0	NS
N	<i>Melanohalea septentrionalis</i>	Northern Camouflage Lichen				S2S3	1	97.8 ± 0.0	PE
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	9	44.1 ± 0.0	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	4	33.0 ± 0.0	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	83.2 ± 0.0	NS
N	<i>Fuscopannaria sorediata</i>	a Lichen				S2S3	13	36.0 ± 0.0	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	9	13.0 ± 0.0	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup				S2S3	2	51.8 ± 1.0	NS

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N	<i>Ephemerum serratum</i>	Lichen				S3	2	68.0 ± 3.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	5	53.9 ± 0.0	NS
N	<i>Anomodon tristis</i>	a Moss				S3	1	50.3 ± 0.0	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	7	85.6 ± 0.0	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	3	40.1 ± 0.0	NS
N	<i>Tetraplodon mnioides</i>	Entire-leaved Nitrogen Moss				S3	1	90.0 ± 0.0	NS
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3	4	22.9 ± 0.0	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	7	50.0 ± 0.0	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	5	14.3 ± 0.0	NS
N	<i>Fuscopannaria ahlneri</i>	Corrugated Shingles Lichen				S3	98	23.4 ± 0.0	NS
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	15	14.3 ± 0.0	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	1	80.5 ± 0.0	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	5	9.5 ± 0.0	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	4	42.0 ± 10.0	NS
N	<i>Platismatia norvegica</i>	Oldgrowth Rag Lichen				S3	4	38.8 ± 0.0	NS
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	1	87.0 ± 0.0	NS
N	<i>Ephebe lanata</i>	Waterside Rockshag Lichen				S3	2	55.6 ± 0.0	NS
N	<i>Phaeophyscia adiastrata</i>	Powder-tipped Shadow Lichen				S3	4	72.1 ± 0.0	PE
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	8	12.3 ± 0.0	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	84	26.0 ± 0.0	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	1	75.2 ± 0.0	PE
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	2	68.6 ± 3.0	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S3?	4	78.1 ± 0.0	NS
N	<i>Sphagnum riparium</i>	Streamside Peat Moss				S3?	1	78.4 ± 0.0	NS
N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	6	52.7 ± 0.0	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	84.4 ± 0.0	NS
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	1	53.4 ± 2.0	NS
N	<i>Encalypta procera</i>	Slender Extinguisher Moss				S3S4	9	26.4 ± 0.0	NS
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S3S4	1	89.3 ± 0.0	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	1	51.3 ± 0.0	NS
N	<i>Tomentypnum nitens</i>	Golden Fuzzy Fen Moss				S3S4	1	98.5 ± 0.0	PE
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	2	38.1 ± 3.0	NS
N	<i>Bryoria pseudofuscescens</i>	Mountain Horsehair Lichen				S3S4	14	82.8 ± 0.0	PE
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	4	14.3 ± 0.0	NS
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3S4	41	36.2 ± 0.0	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	15	31.0 ± 0.0	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	9	15.8 ± 0.0	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	40	12.3 ± 0.0	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	25	14.3 ± 0.0	NS
N	<i>Vahlia leucophaea</i>	Shelter Shingle Lichen				S3S4	6	12.3 ± 0.0	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	20	26.5 ± 0.0	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	32	41.1 ± 0.0	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	3	25.9 ± 0.0	NS
N	<i>Parmeliopsis hyperopta</i>	Gray Starburst Lichen				S3S4	4	64.9 ± 1.0	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	1	48.8 ± 0.0	NS
N	<i>Peltigera hymenina</i>	Cloudy Pelt Lichen				S3S4	3	74.8 ± 1.0	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	3	91.8 ± 0.0	NS
N	<i>Sclerophora peronella</i>	Frosted Glass-whiskers Lichen				S3S4	1	51.7 ± 0.0	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	786	19.0 ± 0.0	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	4	55.2 ± 3.0	NS

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N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	97	12.2 ± 0.0	NS
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	33	17.3 ± 0.0	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	76	26.3 ± 0.0	NS
P	<i>Fraxinus nigra</i>	Black Ash	Threatened		Threatened	S1S2	551	7.4 ± 0.0	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2S3	18	21.1 ± 1.0	NS
P	<i>Salix candida</i>	Sage Willow			Endangered	S1	40	98.1 ± 0.0	NS
P	<i>Arnica lonchophylla</i>	Northern Arnica				S1	1	89.2 ± 7.0	NS
P	<i>Betula minor</i>	Dwarf White Birch				S1	1	47.4 ± 0.0	NS
P	<i>Cardamine dentata</i>	Toothed Bittercress				S1	1	86.9 ± 0.0	NS
P	<i>Cochlearia tridactylites</i>	Limestone Scurvy-grass				S1	12	64.0 ± 0.0	NS
P	<i>Stellaria crassifolia</i>	Fleshy Stitchwort				S1	2	93.6 ± 2.0	NS
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S1	7	29.1 ± 2.0	NS
P	<i>Ribes americanum</i>	Wild Black Currant				S1	1	90.9 ± 5.0	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	2	84.6 ± 0.0	PE
P	<i>Persicaria careyi</i>	Carey's Smartweed				S1	1	91.4 ± 3.0	NS
P	<i>Bistorta vivipara</i>	Alpine Bistort				S1	1	99.1 ± 1.0	NS
P	<i>Montia fontana</i>	Water Blinks				S1	2	62.4 ± 3.0	NS
P	<i>Salix myrtilifolia</i>	Blueberry Willow				S1	1	97.6 ± 0.0	NS
P	<i>Salix serissima</i>	Autumn Willow				S1	2	97.6 ± 0.0	NS
P	<i>Agalinis tenuifolia</i>	Slender Agalinis				S1	1	99.8 ± 0.0	NS
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S1	1	49.4 ± 1.0	NS
P	<i>Carex alopecoidea</i>	Foxtail Sedge				S1	3	32.5 ± 0.0	NS
P	<i>Carex garberi</i>	Garber's Sedge				S1	4	72.8 ± 0.0	NS
P	<i>Carex granularis</i>	Limestone Meadow Sedge				S1	1	87.8 ± 0.0	NS
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	4	60.2 ± 0.0	NS
P	<i>Carex tenuiflora</i>	Sparse-Flowered Sedge				S1	1	67.9 ± 1.0	NS
P	<i>Carex tinctoria</i>	Tinged Sedge				S1	2	32.5 ± 0.0	NS
P	<i>Carex viridula</i> var. <i>saxillitoralis</i>	Greenish Sedge				S1	4	85.7 ± 0.0	NS
P	<i>Carex viridula</i> var. <i>elatior</i>	Greenish Sedge				S1	34	86.6 ± 0.0	NS
P	<i>Carex grisea</i>	Inflated Narrow-leaved Sedge				S1	6	22.1 ± 0.0	NS
P	<i>Cyperus lupulinus</i> ssp. <i>macilentus</i>	Hop Flatsedge				S1	18	20.5 ± 10.0	NS
P	<i>Eleocharis erythropoda</i>	Red-stemmed Spikerush				S1	1	98.2 ± 0.0	NS
P	<i>Rhynchospora capillacea</i>	Slender Beakrush				S1	3	93.3 ± 1.0	NS
P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	1	99.8 ± 0.0	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	2	18.1 ± 1.0	NS
P	<i>Juncus vaseyi</i>	Vasey Rush				S1	1	77.3 ± 0.0	NS
P	<i>Triantha glutinosa</i>	Sticky False-Asphodel				S1	15	98.1 ± 0.0	NS
P	<i>Trillium grandiflorum</i>	White Trillium				S1	1	98.0 ± 1.0	PE
P	<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	North American White Adder's-mouth				S1	1	48.0 ± 7.0	NS
P	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	Slim-stemmed Reed Grass				S1	2	81.8 ± 0.0	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	1	36.2 ± 1.0	NS
P	<i>Potamogeton nodosus</i>	Long-leaved Pondweed				S1	1	53.5 ± 5.0	NS
P	<i>Sparganium androcladum</i>	Branching Bur-Reed				S1	1	89.6 ± 1.0	NS
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	2	89.2 ± 0.0	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	8	82.6 ± 0.0	NS
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	1	45.1 ± 7.0	NS
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	1	97.1 ± 3.0	NS
P	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives				S1?	2	87.6 ± 7.0	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	5	49.2 ± 0.0	NS
P	<i>Ageratina altissima</i>	White Snakeroot				S1S2	2	25.7 ± 7.0	NS
P	<i>Cornus suecica</i>	Swedish Bunchberry				S1S2	1	92.4 ± 6.0	NS
P	<i>Anemone virginiana</i> var.	Virginia Anemone				S1S2	9	81.8 ± 5.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	<i>alba</i>								
P	<i>Parnassia parviflora</i>	Small-flowered Grass-of-Parnassus				S1S2	11	32.2 ± 1.0	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	4	14.2 ± 5.0	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	4	9.6 ± 10.0	NS
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	4	32.5 ± 0.0	NS
P	<i>Zizia aurea</i>	Golden Alexanders				S2	42	15.0 ± 0.0	NS
P	<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Parlin's Pussytoes				S2	1	71.2 ± 0.0	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	10	17.7 ± 0.0	NS
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	3	99.6 ± 0.0	PE
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	20	42.1 ± 0.0	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	3	50.0 ± 1.0	NS
P	<i>Hepatica americana</i>	Round-lobed Hepatica				S2	7	65.5 ± 0.0	NS
P	<i>Comandra umbellata</i>	Bastard's Toadflax				S2	36	29.9 ± 5.0	NS
P	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop				S2	4	83.3 ± 0.0	NS
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	7	86.7 ± 0.0	NS
P	<i>Carex pellita</i>	Woolly Sedge				S2	10	42.0 ± 0.0	NS
P	<i>Carex livida</i>	Livid Sedge				S2	12	24.1 ± 0.0	NS
P	<i>Juncus greenei</i>	Greene's Rush				S2	1	31.8 ± 1.0	NS
P	<i>Juncus alpinoarticulatus</i> ssp. <i>americanus</i>	Northern Green Rush				S2	8	78.7 ± 0.0	NS
P	<i>Luzula spicata</i>	Spiked Woodrush				S2	1	22.2 ± 0.0	NS
P	<i>Allium tricoccum</i>	Wild Leek				S2	9	73.2 ± 0.0	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	96	7.5 ± 0.0	NS
P	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper				S2	30	22.1 ± 0.0	NS
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	2	50.7 ± 0.0	NS
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	206	52.2 ± 0.0	NS
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid				S2	9	49.4 ± 1.0	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	12	5.7 ± 0.0	NS
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S2	39	63.1 ± 0.0	NS
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	43	71.3 ± 0.0	NS
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S2	15	36.9 ± 0.0	NS
P	<i>Sparganium hyperboreum</i>	Northern Burreed				S2	3	52.8 ± 0.0	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	17	89.3 ± 0.0	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	9	21.3 ± 0.0	NS
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	3	19.4 ± 7.0	NS
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	1	89.0 ± 0.0	NS
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	5	1.7 ± 0.0	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	18	15.8 ± 0.0	NS
P	<i>Bidens hyperborea</i>	Estuary Beggarticks				S2S3	1	25.9 ± 1.0	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	4	20.5 ± 7.0	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	11	20.2 ± 7.0	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	51	15.8 ± 0.0	NS
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S2S3	3	94.9 ± 1.0	NS
P	<i>Boechera stricta</i>	Drummond's Rockcress				S2S3	6	78.5 ± 0.0	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	7	50.4 ± 0.0	NS
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2S3	7	33.8 ± 7.0	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	1	50.4 ± 1.0	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	1	90.2 ± 3.0	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	13	29.1 ± 2.0	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	8	9.6 ± 1.0	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	4	34.8 ± 5.0	NS
P	<i>Oenothera fruticosa</i> ssp. <i>tetragona</i>	Narrow-leaved Evening Primrose				S2S3	3	51.9 ± 7.0	NS
P	<i>Polygonum aviculare</i> ssp.	Box Knotweed				S2S3	2	42.4 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>buxiforme</i> <i>Polygonum oxyspermum</i> <i>ssp. raii</i>	Ray's Knotweed				S2S3	5	52.0 ± 1.0	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	4	73.2 ± 10.0	NS
P	<i>Primula mistassinica</i>	Mistassini Primrose				S2S3	17	66.3 ± 7.0	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	13	26.7 ± 0.0	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	48	15.7 ± 0.0	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	1	65.6 ± 1.0	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	1	75.5 ± 2.0	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	4	60.5 ± 1.0	NS
P	<i>Tiarella cordifolia</i>	Heart-leaved Foamflower				S2S3	223	44.3 ± 7.0	NS
P	<i>Agalinis purpurea</i> var. <i>parviflora</i>	Small-flowered Purple False Foxglove				S2S3	4	30.7 ± 0.0	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	4	51.0 ± 5.0	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	2	83.7 ± 0.0	PE
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	1	97.0 ± 1.0	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	33	32.7 ± 0.0	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	3	38.6 ± 0.0	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	6	71.5 ± 0.0	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	1	97.1 ± 1.0	NS
P	<i>Spiranthes casei</i>	Case's Ladies'-Tresses				S2S3	1	38.8 ± 1.0	NS
P	<i>Spiranthes casei</i> var. <i>novaescotiae</i>	Case's Ladies'-Tresses				S2S3	3	34.8 ± 0.0	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	46	41.9 ± 1.0	NS
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S2S3	1	97.9 ± 0.0	PE
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	10	72.0 ± 0.0	NS
P	<i>Cystopteris laurentiana</i>	Laurentian Bladder Fern				S2S3	5	95.1 ± 1.0	NS
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S2S3	2	95.1 ± 0.0	NS
P	<i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	10	33.0 ± 0.0	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	3	33.0 ± 0.0	NS
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	1	74.0 ± 0.0	NS
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	3	74.8 ± 2.0	NS
P	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica				S3	26	68.9 ± 1.0	PE
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	1	60.4 ± 5.0	NS
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S3	3	73.2 ± 7.0	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	24	54.4 ± 0.0	NS
P	<i>Symphyotrichum boreale</i>	Boreal Aster				S3	56	86.5 ± 0.0	NS
P	<i>Symphyotrichum ciliolatum</i>	Fringed Blue Aster				S3	16	12.9 ± 7.0	NS
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	27	45.1 ± 5.0	NS
P	<i>Betula pumila</i>	Bog Birch				S3	20	85.6 ± 0.0	NS
P	<i>Cardamine parviflora</i>	Small-flowered Bittercress				S3	4	89.2 ± 0.0	NS
P	<i>Palustricodon aparinoides</i>	Marsh Bellflower				S3	31	13.9 ± 1.0	NS
P	<i>Lobelia kalmii</i>	Brook Lobelia				S3	81	78.6 ± 0.0	NS
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S3	8	51.0 ± 1.0	NS
P	<i>Sagina nodosa</i> ssp. <i>borealis</i>	Knotted Pearlwort				S3	5	84.0 ± 0.0	NS
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S3	11	71.5 ± 0.0	NS
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S3	2	77.1 ± 0.0	NS
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	180	6.9 ± 0.0	NS
P	<i>Viburnum edule</i>	Squashberry				S3	3	66.2 ± 0.0	NS
P	<i>Crassula aquatica</i>	Water Pygmyweed				S3	1	99.0 ± 7.0	NS
P	<i>Empetrum eamesii</i>	Pink Crowberry				S3	1	99.6 ± 0.0	PE
P	<i>Halenia deflexa</i>	Spurred Gentian				S3	23	37.7 ± 1.0	NS
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	2	75.2 ± 0.0	NS
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	28	36.6 ± 0.0	NS
P	<i>Polygala sanguinea</i>	Blood Milkwort				S3	18	34.2 ± 0.0	NS
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	13	8.3 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Plantago rugelii</i>	Rugel's Plantain				S3	4	48.6 ± 0.0	NS
P	<i>Samolus parviflorus</i>	Seaside Brookweed				S3	13	20.6 ± 1.0	NS
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	3	74.3 ± 0.0	NS
P	<i>Anemone virginiana</i>	Virginia Anemone				S3	36	22.1 ± 0.0	NS
P	<i>Galium kamtschaticum</i>	Northern Wild Licorice				S3	8	91.3 ± 1.0	NS
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S3	130	74.0 ± 0.0	NS
P	<i>Salix pedicularis</i>	Bog Willow				S3	52	51.9 ± 7.0	NS
P	<i>Saxifraga paniculata</i> ssp. <i>laestadii</i>	Laestadius' Saxifrage				S3	1	89.5 ± 7.0	NS
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel				S3	13	7.4 ± 0.0	NS
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	33	7.0 ± 0.0	NS
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	4	26.0 ± 6.0	NS
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	14	42.4 ± 0.0	NS
P	<i>Carex bebbii</i>	Bebb's Sedge				S3	18	19.4 ± 7.0	NS
P	<i>Carex castanea</i>	Chestnut Sedge				S3	38	89.1 ± 0.0	NS
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	10	44.1 ± 1.0	NS
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	26	14.4 ± 0.0	NS
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S3	36	15.5 ± 0.0	NS
P	<i>Carex lupulina</i>	Hop Sedge				S3	18	4.4 ± 6.0	NS
P	<i>Carex rosea</i>	Rosy Sedge				S3	12	15.3 ± 0.0	NS
P	<i>Carex tenera</i>	Tender Sedge				S3	5	47.9 ± 1.0	NS
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	15	8.9 ± 0.0	NS
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	1	55.6 ± 0.0	NS
P	<i>Carex atratiformis</i>	Scabrous Black Sedge				S3	2	95.3 ± 1.0	NS
P	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	Bright-green Spikerush				S3	5	12.9 ± 0.0	NS
P	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush				S3	13	79.1 ± 0.0	NS
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S3	9	55.7 ± 1.0	NS
P	<i>Schoenoplectus americanus</i>	Olney's Bulrush				S3	1	22.2 ± 0.0	NS
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S3	62	14.3 ± 0.0	NS
P	<i>Neottia bifolia</i>	Southern Twayblade				S3	49	27.6 ± 0.0	NS
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	146	9.4 ± 0.0	NS
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	3	25.4 ± 0.0	NS
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S3	4	43.9 ± 7.0	NS
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S3	1	91.4 ± 3.0	NS
P	<i>Poa glauca</i>	Glaucous Blue Grass				S3	8	95.0 ± 1.0	NS
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed				S3	8	72.9 ± 0.0	NS
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	19	8.0 ± 0.0	NS
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	6	23.1 ± 1.0	NS
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S3	6	77.1 ± 0.0	NS
P	<i>Asplenium viride</i>	Green Spleenwort				S3	20	63.5 ± 0.0	NS
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	6	25.9 ± 0.0	NS
P	<i>Polystichum lonchitis</i>	Northern Holly Fern				S3	3	81.7 ± 100.0	NS
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	4	5.0 ± 1.0	NS
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	9	32.4 ± 0.0	NS
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	1	7.4 ± 0.0	NS
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3?	49	34.4 ± 0.0	NS
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	8	10.6 ± 5.0	NS
P	<i>Bidens vulgata</i>	Tall Beggarticks				S3S4	5	37.2 ± 0.0	NS
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	20	9.7 ± 0.0	NS
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S3S4	7	22.9 ± 0.0	NS
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	8	5.2 ± 0.0	NS
P	<i>Packera paupercula</i>	Balsam Groundsel				S3S4	79	14.3 ± 0.0	NS
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush				S3S4	3	62.0 ± 0.0	NS
P	<i>Shepherdia canadensis</i>	Soapberry				S3S4	45	78.6 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3S4	8	54.7 ± 1.0	NS
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	54	24.9 ± 0.0	NS
P	<i>Fagus grandifolia</i>	American Beech				S3S4	339	0.5 ± 0.0	NS
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	2	55.0 ± 1.0	NS
P	<i>Decodon verticillatus</i>	Swamp Loosestrife				S3S4	1	92.3 ± 7.0	NS
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3S4	1	49.4 ± 2.0	NS
P	<i>Persicaria pensylvanica</i>	Pennsylvania Smartweed				S3S4	22	22.1 ± 0.0	NS
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3S4	39	16.3 ± 0.0	NS
P	<i>Rumex pallidus</i>	Seabeach Dock				S3S4	1	25.9 ± 0.0	NS
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3S4	11	22.8 ± 0.0	NS
P	<i>Endotropis alnifolia</i>	alder-leaved buckthorn				S3S4	500	8.8 ± 0.0	NS
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	7	37.2 ± 5.0	NS
P	<i>Fragaria vesca ssp. americana</i>	Woodland Strawberry				S3S4	25	14.3 ± 0.0	NS
P	<i>Fragaria vesca</i>	Woodland Strawberry				S3S4	3	38.9 ± 0.0	NS
P	<i>Galium aparine</i>	Common Bedstraw				S3S4	19	20.1 ± 0.0	NS
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	78	45.7 ± 0.0	NS
P	<i>Limosella australis</i>	Southern Mudwort				S3S4	6	70.8 ± 0.0	PE
P	<i>Ulmus americana</i>	White Elm				S3S4	66	7.0 ± 0.0	NS
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	92	7.4 ± 0.0	NS
P	<i>Viola selkirkii</i>	Great-Spurred Violet				S3S4	1	58.8 ± 1.0	NS
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	1	75.4 ± 5.0	PE
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	23	73.1 ± 0.0	NS
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	3	8.6 ± 0.0	NS
P	<i>Juncus subcaudatus</i>	Woods-Rush				S3S4	13	29.9 ± 5.0	NS
P	<i>Luzula parviflora ssp. melanocarpa</i>	Black-fruited Woodrush				S3S4	3	24.3 ± 0.0	NS
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3S4	8	72.8 ± 0.0	NS
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	10	57.4 ± 0.0	NS
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	6	22.0 ± 10.0	NS
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	25	41.9 ± 0.0	NS
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3S4	7	11.4 ± 1.0	NS
P	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass				S3S4	87	23.2 ± 0.0	NS
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	1	87.0 ± 0.0	NS
P	<i>Koeleria spicata</i>	Narrow False Oats				S3S4	8	42.7 ± 0.0	NS
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S3S4	4	59.0 ± 0.0	NS
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3S4	23	78.0 ± 0.0	NS
P	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar				S3S4	7	26.7 ± 0.0	NS
P	<i>Diphasiastrum sitchense</i>	Sitka Ground-cedar				S3S4	20	24.0 ± 1.0	NS
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3S4	3	84.5 ± 1.0	NS
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	7	39.8 ± 10.0	NS
P	<i>Botrychium matricariifolium</i>	Daisy-leaved Moonwort				S3S4	6	23.8 ± 0.0	NS
P	<i>Viola canadensis</i>	Canada Violet				SH	2	83.6 ± 7.0	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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216	Staicer, Cindy. 2023. 2022 SAR Bird field occurrences from the Landbirds at Risk Project, NS. Dalhousie University, 446 records.
215	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
208	eBird. 2020. eBird Basic Dataset. Version: EBD_relFeb-2020. Ithaca, New York. Feb 2020, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology, 5063 recs.
199	Churchill, J.L. 2022. Atlantic Canada Conservation Data Centre Fieldwork 2022. Atlantic Canada Conservation Data Centre.
192	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
180	Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
166	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
161	Island Nature Trust. 2023. Bobolink observations from Farmland Bird Program, 2017-2022. Island Nature Trust. Pers. comm., 1346 records.
160	Blaney, C.S & Spicer, C.D.; Popma, T.M.; Basquill, S.P. 2003. Vascular Plant Surveys of Northumberland Strait Rivers & Amherst Area Peatlands. Nova Scotia Museum Research Grant, 501 recs.
148	Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
144	Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.
137	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
137	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiu.ca/library/Herbarium/project/ . 582 recs.
134	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
121	Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
120	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
118	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
117	MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
117	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
109	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
103	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
98	Blaney, C.S.; Korol, J.B.; Crowell, I. 2023. 2022 AC CDC Botany program field data. Atlantic Canada Conservation Data Centre, 5293 records.
96	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
93	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
92	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
92	Mazerolle, D.M. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
91	Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
89	Blaney, C.S. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 6719 recs.
89	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
89	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
86	Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
86	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.
83	Chapman-Lam, C.J. 2022. Atlantic Canada Conservation Data Centre 2021 botanical fieldwork. Atlantic Canada Conservation Data Centre, 15099 recs.
80	Arsenault, M. 2019. Cormorant colony nest counts. PE Department of Communities, Land, and Environment.
78	Belliveau, A.G., King, K., Vail, C. 2020. Bras d'Or Lakes Watershed Pectenium plumbea records, 2020. Acadia University E.C. Smith Herbarium.
73	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
73	Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.

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72	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
71	Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.
70	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
69	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
64	Island Nature Trust. 2016. Farmland birds project. Mader, Shannon (ed.) .
59	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
59	Staicer, Cindy. 2023. 2022 SAR Bird ARU occurrences. Dalhousie University, 379 records.
57	LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
56	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
53	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
51	Hagerman, Christianne. 2022. Wisqoq and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
49	Neily, T.H. & Pepper, C.; Toms, B. 2015. Nova Scotia lichen location database [as of 2015-02-15]. Mersey Tobeatic Research Institute, 1691 records.
48	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre, 907 recs.
45	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
45	Blaney, C.S. 2020. Sean Blaney 2020 field data. Atlantic Canada Conservation Data Centre, 4407 records.
45	Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
43	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
43	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
43	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
42	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
42	Pulsifer, M.D. 2002. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 369 recs.
41	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
40	Gallop, John. 2023. Species at Risk and Species of Conservation Interest records. McCallum Environmental.
39	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
38	McRae, Daniel. 2023. Black Ash and other flora records on Prince Edward Island. MacPhail Woods Ecological Forestry Project, 443 records.
38	Paquet, Julie. 2019. Atlantic Canada Shorebird Survey ACSO database for 2019. Environment Canada, Canadian Wildlife Service.
36	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
36	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
35	Benjamin, L.K. 2009. D. Anderson Odonata Records for Cape Breton, 1997-2004. Nova Scotia Dept Natural Resources, 1316 recs.
34	Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
33	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
33	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
33	Neily, T.H. 2017. Maritimes Lichen and Bryophyte records. Atlantic Canada Conservation Data Centre, 1015 recs.
33	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
32	Catling, P.M., Erskine, D.S. & MacLaren, R.B. 1985. The Plants of Prince Edward Island with new records, nomenclatural changes & corrections & deletions, 1st Ed. Research Branch, Agriculture Canada, Ottawa, Publication 1798. 22pp.
32	Quigley, E.J. & Neily, P.D.. 2012. Botanical Discoveries in Inverness County, NS. Nova Scotia Dept Natural Resources. Pers. comm. to C.S. Blaney, Nov. 29, 141 rec.
32	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
31	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
29	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
27	Neily, T.H. 2010. Erioderma Pedicellatum records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
27	Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
26	Belliveau, A.G. 2021. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2021. E.C. Smith Herbarium.
26	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
26	Rock, J. 2020. Atlantic Canada Piping Plover field surveys: Nesting pairs by beach, 2018-2020. Environment and Climate Change Canada - Canadian Wildlife Service, 216 records.
24	Neily, T.H. 2013. Email communication to Sean Blaney regarding <i>Listera australis</i> observations made from 2007 to 2011 in Nova Scotia. , 50.
24	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
23	Klymko, John. 2022. Atlantic Canada Conservation Data Centre zoological fieldwork 2021. Atlantic Canada Conservation Data Centre.
23	Pepper, Chris. 2012. Observations of breeding Canada Warbler's along the Eastern Shore, NS. Pers. comm. to S. Blaney, Jan. 20, 28 recs.
23	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
22	Birds Canada. 2022. Maritimes Swiftwatch project data for 2022. Pers. comm., 155 records.
21	Hirtle, Sarah. 2023. 2022 Bank Swallow occurrence data. Island Nature Trust.
20	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
20	Chapman, C.N. (Cody). 2020. Nova Scotia Black Ash (<i>Fraxinus nigra</i>) field observations by Confederacy of Mainland Mi'kmaq. Forestry Program, Confederacy of Mainland Mi'kmaq.
20	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
19	Blaney, C.S.; Mazerolle, D.M.; Oberndorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sackville NB, 13770 recs.
19	Blaney, C.S.; Spicer, C.D.; Mazerolle, D.M. 2005. Fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
19	Glen, W. 1991. 1991 Prince Edward Island Forest Biomass Inventory Data. PEI Dept of Energy and Forestry, 10059 recs.
19	Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.

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18	Bell, G. 2018. Moose, bat and bird records from Goldboro LNG Project, NS, Environmental Assessment. Amec Foster Wheeler.
18	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
18	Neily, T.H. 2012. 2012 Erioderma pedicellatum records in Nova Scotia.
17	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of <i>C. insculpta</i> sightings. Acadia University, Wolfville NS, 88 recs.
17	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
17	Toms, Brad. 2022. Non-Lichen Observations from Lichen SMP and NCC Property Searches. Mersey Tobeatic Research Institute.
16	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
16	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
16	McMullin, R.T. 2022. Maritimes lichen records. Canadian Museum of Nature.
15	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
15	Cameron-MacMillan, Maureen. 2020. Northern Goshawk Nests in Eastern Nova Scotia, as of November, 2020. Nova Scotia Department of Lands and Forestry.
14	Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
14	Hall, R.A. 2001. S.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
14	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
14	Taylor, B.R., and Tam, J.C. 2012. Local distribution of the rare plant <i>Triosteum aurantiacum</i> in northeastern Nova Scotia, Canada. <i>Rhodora</i> , 114(960): 366-382.
13	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
13	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
13	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
13	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
13	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
13	Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
13	Robinson, S.L. 2015. 2014 field data.
12	Berrigan, L. 2019. Maritimes Marsh Monitoring Project 2013, 2014, 2016, 2017, and 2018 data. Bird Studies Canada, Sackville, NB.
12	Burns, L. 2013. Personal communication concerning bat occurrence on PEI. Winter 2013. Pers. comm.
12	Cameron, R.P. 2018. <i>Degelia plumbea</i> records. Nova Scotia Environment.
12	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
12	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
12	e-Butterfly. 2016. Export of Maritimes records and photos. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
11	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
11	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
11	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
11	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
11	Powell, B.C. 1967. Female sexual cycles of <i>Chrysemy spicta</i> & <i>Clemmys insculpta</i> in Nova Scotia. <i>Can. Field-Nat.</i> , 81:134-139. 26 recs.
11	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
10	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
10	Klymko, J. 2021. Atlantic Canada Conservation Data Centre zoological fieldwork 2020. Atlantic Canada Conservation Data Centre.
10	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
10	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
10	Phinney, Lori; Toms, Brad; et. al. 2016. Bank Swallows (<i>Riparia riparia</i>) in Nova Scotia: inventory and assessment of colonies. Merset Tobeiatc Research Institute, 25 recs.
9	Blacquiere, Hailey. 2022. Black Ash locations in August 2022. PEI Forests Fish and Wildlife Division. Pers. comm., 9 records.
9	Cameron, R.P. 2005. <i>Erioderma pedicellatum</i> unpublished data. NS Dept of Environment, 9 recs.
9	Unama'ki Institute of Natural Resources. 2022. Wisqoq (Black Ash) records in Port Hood, NS. pers. comm., 9 records.
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	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
8	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
8	Envirosphere Consultants Ltd., Strum. 2023. SAR records from three Environmental Assessments in Nova Scotia. Envirosphere Consultants Ltd., Strum, 48 records.
8	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
8	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.
8	Mersey Tobeatic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobeatic Research Institute, 72 records.
8	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J; ONHIC, 487 recs.
8	Richardson, D., Anderson, F., Cameron, R, McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (<i>Anzia colpodes</i>). COSEWIC.
7	Hughes, Cory. 2020. Atlantic Forestry Centre <i>Coccinella transversoguttata</i> collections. Canadian Forest Service, Atlantic Forestry Centre.
7	Klymko, John. 2023. Atlantic Canada Conservation Data Centre zoological fieldwork 2022. Atlantic Canada Conservation Data Centre.
7	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
7	O'Neil, S. 1998. Atlantic Salmon: Northumberland Strait Nova Scotia part of SFA 18. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-08. 9 recs.
7	Power, T.; Gilhen, J. 2018. Status, distribution, and nesting ecology of Snapping Turtle (<i>Chelydra serpentina</i>) on Cape Breton Island, Nova Scotia, Canada. <i>The Canadian Field Naturalist</i> , 132(1): 8-17.
7	Robinson, S.L. 2011. 2011 ND dune survey field data. Atlantic Canada Conservation Data Centre, 2715 recs.

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6	Amirault, D.L. 1997-2000. Unpublished files. Canadian Wildlife Service, Sackville, 470 recs.
6	Anderson, Frances; Neily, Tom. 2010. A Reconnaissance Level Survey of Calciphilous Lichens in Selected Karst Topography in Nova Scotia with Notes on Incidental Bryophytes. Mersey Tobeatic Research Institute.
6	anon. 2001. S. H. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 76 recs.
6	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
6	Curley, F.R. 2005. PEF&W Collection 2003-04. PEI Fish & Wildlife Div., 716 recs.
6	Dibblee, R.L. 1999. PEI Cormorant Survey. Prince Edward Island Fisheries, Aquaculture & Environment, 1p. 21 recs.
6	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
6	eBird. 2021. eBird Basic Dataset. Version: EBD_relOct-2020. Ithaca, New York. Oct 2020, Prince Edward Island Bird SAR subset. Cornell Lab of Ornithology.
6	Erskine, D. 1960. The plants of Prince Edward Island, 1st Ed. Research Branch, Agriculture Canada, Ottawa., Publication 1088. 1238 recs.
6	Gallop, John. 2021. Sheet Harbour rare lichen observations. McCallum Environmental.
6	Hall, R. 2008. Rare plant records in old fieldbook notes from Truro area. Pers. comm. to C.S. Blaney. 6 recs, 6 recs.
6	Lundholm, Jeremy. 2021. Bras d'Or Watershed Field Survey. Saint Mary's University.
6	McMullin, R.T. 2015. Prince Edward Island's lichen biodiversity and proposed conservation status in a report prepared for the province of PEI. Biodiversity Institute of Ontario Herbarium, University of Guelph, 776 records.
6	McNeil, Jeffie. 2023. 2022 Turtle Records. Mersey Tobeatic Research Institute.
6	McRae, Daniel. 2023. PEI EcoGiftsSite Records for 2022. Pers. comm., 990 records.
6	Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
6	Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.
5	Anderson, Frances; Neily, Tom. 2014. A Reconnaissance Level Survey of Cryptogams in Selected Karst Topography in Cape Breton. Mersey Tobeatic Research Institute.
5	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
5	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
5	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.
5	Feltham, Carter. 2022. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
5	Hill, N.M. 1994. Status report on the Long's bulrush <i>Scirpus longii</i> in Canada. Committee on the Status of Endangered Wildlife in Canada, 7 recs.
5	Nature Conservancy Canada, Prince Edward Island. 2022. NCC PEI 2022 occurrence data. NCC PEI. Pers. comm., 214 records.
5	Neily, T.H. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. T.H. Neily, Atlantic Canada Conservation Data Centre.
5	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
5	Power, T. 2019. Cape Breton Wood Turtle records. NS Lands and Forestry.
5	Walker, J. 2017. Bird inventories at French River, NS, and Memramcook, NB, for Nature Conservancy of Canada. Pers. comm. to AC CDC.
5	Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
5	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
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	Cameron, R.P. 2006. <i>Erioderma pedicellatum</i> 2006 field data. NS Dept of Environment, 9 recs.
4	Hubley, Nicole. 2022. Monarch (<i>Danaus plexippus</i>) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
4	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database Update. Mersey Tobeatic Research Institute, 14 recs.
4	O'Neil, S. 1998. Atlantic Salmon: Eastern Shore Nova Scotia SFA 20. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-10. 4 recs.
4	Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
4	Robinson, S.L. 2014. 2013 Field Data. Atlantic Canada Conservation Data Centre.
4	Rousseau, J. 1938. Notes Floristiques sur l'est de la Nouvelle-Ecosse in Contributions de l'Institut Botanique de l'Universite de Montreal. Universite de Montreal, 32, 13-62. 11 recs.
4	Williams, M. Cape Breton University Digital Herbarium. Cape Breton University Digital Herbarium. 2013.
3	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
3	Basquill, S.P. 2012. 2012 rare vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
3	Blaney, C.S. Miscellaneous specimens received by ACCDC (botany). Various persons. 2001-08.
3	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
3	Calhoun, J.C. Butterfly records databased at the McGuire Center for Lepidoptera and Biodiversity. Calhoun, J.C. 2020.
3	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
3	Gillis, J. 2015. Rare plant records from Cape Breton gypsum sites. Pers. comm., 25 rare plant records.
3	Holder, M.L.; Kingsley, A.L. 2000. Kingsley and Holder observations from 2000 field work.
3	Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
3	Mersey Tobeatic Research Institute. 2022. Nova Scotia Bobolink observations. pers. comm. to J. Churchill.
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	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
3	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
2	Basquill, S.P. 2012. 2012 Bryophyte specimen data. Nova Scotia Department of Natural Resources, 37 recs.
2	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
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DATA REPORT 7694: New Glasgow, NS

Prepared 5 June 2023

by C. Robicheau, Conservation Data Analyst

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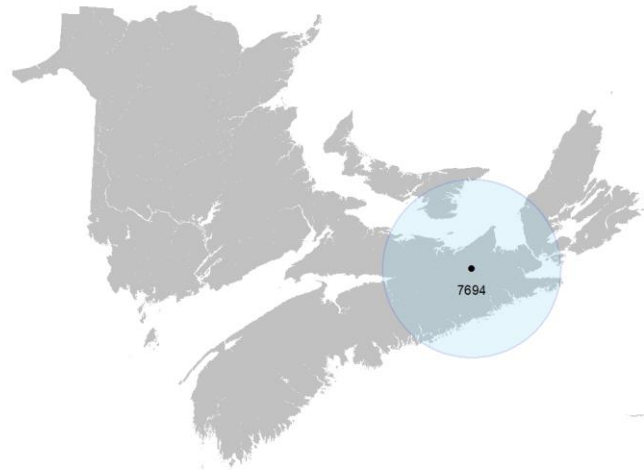
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Map 1. A 100 km buffer around the study area

1.0 PREFACE

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

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

1.1 DATA LIST

Included datasets:

<u>Filename</u>	<u>Contents</u>
NwGlasgowNS_7694ob.xls	Rare or legally-protected Flora and Fauna in your study area
NwGlasgowNS_7694ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
NwGlasgowNS_7694msa.xls	Managed and Biologically Significant Areas in your study area
NwGlasgowNS_7694ff_py.xls	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 in order to understand the record's relevance to a particular location. Please see attached Data Dictionary for details.
- f) AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
- g) The absence of a taxon cannot be inferred by its absence in an AC CDC data response.

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

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

Plants, Lichens, Ranking Methods, All other Inquiries

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

Animals (Fauna)

John Klymko
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(506) 364-2660
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Data Management, GIS

James Churchill
Conservation Data Analyst / Field Biologist
(902) 679-6146
james.churchill@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
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For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Garry Gregory, PEI Dept. of Communities, Land and Environment: (902) 569-7595.

3.0 SPECIAL AREAS

3.1 MANAGED AREAS

The GIS scan identified 1 managed area in the vicinity of the study area (Map 3 and attached file: *ma*.xls).

3.2 SIGNIFICANT AREAS

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

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



 Managed Area  Significant Area

4.0 RARE SPECIES LISTS

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

4.1 FLORA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	2	7.5 \pm 1.0
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	1	7.3 \pm 0.0
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	1	11.3 \pm 0.0
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	1	0.1 \pm 1.0
P	<i>Carex lupulina</i>	Hop Sedge				S3	1	6.6 \pm 6.0
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	1	6.9 \pm 1.0
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	1	3.8 \pm 1.0
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	2	6.8 \pm 0.0
P	<i>Fagus grandifolia</i>	American Beech				S3S4	18	10.1 \pm 0.0

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	1	8.1 \pm 0.0
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1	11.0 \pm 0.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	1	13.5 \pm 7.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	8	13.5 \pm 7.0
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	1	3.7 \pm 10.0
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	6	13.5 \pm 7.0
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	24	10.1 \pm 0.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	5	10.1 \pm 0.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	15	11.9 \pm 0.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1	3.7 \pm 7.0
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	8	13.5 \pm 7.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	5	13.5 \pm 7.0
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	3	10.6 \pm 0.0
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	2	6.6 \pm 7.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	4	3.7 \pm 7.0
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	6	13.5 \pm 7.0
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	12	11.3 \pm 0.0
A	<i>Spinus pinus</i>	Pine Siskin				S3	9	11.3 \pm 0.0
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	1	8.1 \pm 0.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B	2	3.7 \pm 7.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	2	13.5 \pm 7.0
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	1	6.6 \pm 7.0
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	1	8.1 \pm 0.0
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	10	11.5 \pm 0.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	7	13.5 \pm 7.0
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	2	10.8 \pm 0.0
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	6	13.5 \pm 7.0
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	12	10.0 \pm 0.0
A	<i>Actitis macularia</i>	Spotted Sandpiper				S3S4B,S5M	5	13.5 \pm 7.0
A	<i>Leiostyris peregrina</i>	Tennessee Warbler				S3S4B,S5M	4	13.5 \pm 7.0
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	1	6.7 \pm 5.0
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	4	6.5 \pm 0.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	1	6.7 ± 5.0
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	7	5.9 ± 0.0
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	2	6.6 ± 0.0
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	1	8.8 ± 0.0

4.3 LOCATION SENSITIVE SPECIES

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

Nova Scotia

Scientific Name	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
<i>Fraxinus nigra</i>	Black Ash		Threatened	No
<i>Emydoidea blandingii</i>	Blanding's Turtle - Nova Scotia pop.	Endangered	Endangered	No
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	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

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

4.4 SOURCE BIBLIOGRAPHY

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

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5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 34217 records of 147 vertebrate and 860 records of 58 invertebrate fauna; 4871 records of 231 vascular and 3201 records of 124 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	63	15.6 \pm 0.0	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	30	68.4 \pm 1.0	PE
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	12	46.7 \pm 0.0	NS
A	<i>Salmo salar pop. 4</i>	Atlantic Salmon - Eastern Cape Breton population	Endangered			S1	4	80.9 \pm 0.0	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	39	8.1 \pm 0.0	NS
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	1338	25.0 \pm 7.0	NS
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	80	55.7 \pm 0.0	NS
A	<i>Dermodochelys coriacea pop. 2</i>	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	2	67.8 \pm 0.0	NS
A	<i>Lamna nasus</i>	Porbeagle Shark	Endangered			SNR	1	41.1 \pm 1.0	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	6	25.0 \pm 7.0	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	8324	5.6 \pm 0.0	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1088	11.0 \pm 0.0	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	674	8.0 \pm 0.0	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	8	26.0 \pm 0.0	NS
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened			S2S3N	1	97.0 \pm 0.0	NS
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	72	44.1 \pm 0.0	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	278	25.7 \pm 0.0	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	54	24.9 \pm 1.0	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	2	75.5 \pm 0.0	NS
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	31	25.2 \pm 0.0	NS
A	<i>Salmo salar pop. 12</i>	Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population	Special Concern			S1	33	13.4 \pm 1.0	NS
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	4	26.8 \pm 7.0	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	8	50.4 \pm 0.0	NS
A	<i>Bucephala islandica</i>	Barrow's Goldeneye	Special Concern	Special Concern		S1N,SUM	29	26.7 \pm 0.0	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	245	2.2 \pm 0.0	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	2	53.3 \pm 0.0	NS
A	<i>Morone saxatilis pop. 1</i>	Striped Bass - Southern Gulf of St. Lawrence population	Special Concern			S2S3N	1	32.6 \pm 1.0	NS
A	<i>Histrionicus histrionicus pop. 1</i>	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2S3N,SUM	45	46.3 \pm 0.0	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	98	3.7 \pm 10.0	NS
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1692	3.7 \pm 7.0	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	958	2.7 \pm 0.0	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	385	3.7 \pm 0.0	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	1147	3.7 \pm 7.0	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1120	3.7 \pm 7.0	NS
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	721	3.7 \pm 7.0	NS
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern		S3N,SUM	14	26.4 \pm 0.0	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	823	3.7 \pm 7.0	NS
A	<i>Phocoena phocoena</i>	Harbour Porpoise	Special Concern			S4	19	34.8 \pm 0.0	NS
A	<i>Phocoena phocoena pop. 1</i>	Harbour Porpoise - Northwest Atlantic Population	Special Concern			S4	2	48.5 \pm 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Chrysemys picta</i>	Painted Turtle	Special Concern	Special Concern		S4	5	26.9 ± 0.0	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	38	15.8 ± 1.0	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	12	26.3 ± 0.0	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	13	58.0 ± 0.0	NS
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S1B	3	44.1 ± 0.0	NS
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk		Vulnerable	S1B,SUM	9	53.0 ± 0.0	NS
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S2?B,SUM	13	33.5 ± 0.0	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	4	85.7 ± 1.0	NS
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	1	77.6 ± 100.0	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	14	34.9 ± 0.0	NS
A	<i>Megaptera novaeangliae</i>	Humpback Whale	Not At Risk			S3	12	67.5 ± 0.0	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	479	25.0 ± 7.0	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	36	15.0 ± 0.0	NS
A	<i>Buteo lagopus</i>	Rough-legged Hawk	Not At Risk			S3N	15	36.0 ± 0.0	NS
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	106	10.6 ± 0.0	NS
A	<i>Glaucomys volans</i>	Southern Flying Squirrel	Not At Risk			S3S4	1	56.2 ± 0.0	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	4	68.3 ± 0.0	NS
A	<i>Ammospiza nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	160	21.4 ± 7.0	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	24	25.7 ± 0.0	NS
A	<i>Calidris canutus</i>	Red Knot	E,SC	E,T		S2M	8	25.7 ± 0.0	NS
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S2S3B,S2S3N	8	26.3 ± 0.0	NS
A	<i>Gadus morhua</i>	Atlantic Cod	E,SC,DD			SNR	1	94.5 ± 0.0	NS
A	<i>Salmo salar</i>	Atlantic Salmon	E,T,SC			S1B,S1N	10	24.4 ± 0.0	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	131	16.5 ± 0.0	NS
A	<i>Alces alces</i>	Moose				S1	11	23.5 ± 0.0	NS
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S1?	4	37.6 ± 7.0	NS
A	<i>Uria aalge</i>	Common Murre				S1?B	1	86.3 ± 0.0	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	19	25.3 ± 0.0	NS
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1B	1	40.8 ± 7.0	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	10	19.9 ± 7.0	NS
A	<i>Gallinula galeata</i>	Common Gallinule				S1B	6	66.9 ± 7.0	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	5	44.9 ± 7.0	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	22	26.4 ± 0.0	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	10	35.2 ± 7.0	NS
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	395	25.7 ± 0.0	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	223	25.6 ± 0.0	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	22	26.3 ± 0.0	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	18	26.8 ± 7.0	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	75	15.8 ± 0.0	NS
A	<i>Poocetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	22	23.5 ± 7.0	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	42	21.2 ± 0.0	NS
A	<i>Alca torda</i>	Razorbill				S2B	8	26.1 ± 2.0	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	4	59.0 ± 7.0	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	8	26.8 ± 7.0	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	108	9.6 ± 7.0	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	6	28.3 ± 1.0	NS
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	20	25.9 ± 0.0	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	10	6.6 ± 7.0	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	192	25.7 ± 0.0	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	32	9.6 ± 7.0	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	26	19.9 ± 7.0	NS
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	8	47.8 ± 0.0	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	208	3.7 ± 7.0	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	282	27.9 ± 0.0	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	12	27.1 ± 0.0	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	23	27.2 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Bucephala clangula</i>	Common Goldeneye				S2S3B,S5N,S5M	213	21.8 ± 0.0	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	63	11.0 ± 7.0	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	23	25.7 ± 0.0	NS
A	<i>Numenius phaeopus</i>	Whimbrel				S2S3M	10	25.6 ± 0.0	NS
A	<i>Numenius phaeopus hudsonicus</i>	Whimbrel				S2S3M	68	25.7 ± 0.0	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	1	58.2 ± 0.0	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	540	3.7 ± 7.0	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	1040	3.7 ± 7.0	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	478	3.7 ± 7.0	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	80	8.1 ± 0.0	NS
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	1	43.3 ± 0.0	NS
A	<i>Pekania pennanti</i>	Fisher				S3	8	24.7 ± 0.0	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	10	38.9 ± 0.0	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	142	19.9 ± 7.0	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	427	3.7 ± 7.0	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	831	21.4 ± 7.0	NS
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	93	28.7 ± 7.0	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	84	11.6 ± 7.0	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	204	3.7 ± 7.0	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	566	6.6 ± 7.0	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	21	8.1 ± 0.0	NS
A	<i>Somateria mollissima</i>	Common Eider				S3B,S3M,S3N	588	25.0 ± 7.0	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	434	16.2 ± 7.0	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	393	3.7 ± 7.0	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	826	3.7 ± 7.0	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	152	23.5 ± 7.0	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	129	11.0 ± 7.0	NS
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	116	9.6 ± 7.0	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	271	9.6 ± 7.0	NS
A	<i>Branta bernicla</i>	Brant				S3M	1	78.8 ± 16.0	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	281	25.6 ± 0.0	NS
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	148	25.6 ± 0.0	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	306	25.6 ± 0.0	NS
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	35	25.7 ± 0.0	NS
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	157	25.7 ± 0.0	NS
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	46	28.2 ± 1.0	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	159	3.7 ± 7.0	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	149	9.6 ± 7.0	NS
A	<i>Sorex albibarbis</i>	Eastern Water Shrew				S3S4	2	76.2 ± 0.0	PE
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	337	9.6 ± 7.0	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	574	3.7 ± 7.0	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	735	6.6 ± 7.0	NS
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	587	3.7 ± 7.0	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	130	18.8 ± 7.0	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3S4B,S5M,S5N	165	21.4 ± 7.0	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	33	26.0 ± 0.0	NS
A	<i>Lanius borealis</i>	Northern Shrike				S3S4N	5	23.9 ± 0.0	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	131	26.5 ± 0.0	NS
A	<i>Aythya americana</i>	Redhead				SHB	8	28.3 ± 0.0	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	4	68.1 ± 0.0	NS
A	<i>Progne subis</i>	Purple Martin				SHB	5	51.6 ± 7.0	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	14	26.0 ± 0.0	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	17	6.7 ± 5.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	198	15.5 ± 3.0	NS
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SH	2	81.1 ± 5.0	NS
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	13	6.5 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	73	6.7 ± 5.0	NS
	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern		Endangered	SH	7	47.2 ± 2.0	NS
	<i>Polygonia satyrus</i>	Satyr Comma				S1?	10	76.6 ± 5.0	NS
	<i>Euphyes bimacula</i>	Two-spotted Skipper				S1S2	2	23.0 ± 0.0	NS
	<i>Boloria chariclea</i>	Arctic Fritillary				S1S2	1	85.8 ± 2.0	NS
	<i>Tournotaris bimaculata</i>	Two-spotted Brachycerid Weevil				S2	1	99.9 ± 0.0	PE
	<i>Tharsalea dorcas</i>	Dorcas Copper				S2	8	97.0 ± 0.0	NS
	<i>Tharsalea dospassosi</i>	Maritime Copper				S2	21	49.8 ± 0.0	NS
	<i>Satyrium acadica</i>	Acadian Hairstreak				S2	11	44.2 ± 2.0	NS
	<i>Neurocordulia michaeli</i>	Broad-tailed Shadowdragon				S2	26	20.7 ± 0.0	NS
	<i>Coenagrion resolutum</i>	Taiga Bluet				S2	18	65.8 ± 1.0	PE
	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	122	5.9 ± 0.0	NS
	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	1	31.5 ± 1.0	NS
	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S2S3	6	29.1 ± 0.0	NS
	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	6	34.6 ± 2.0	NS
	<i>Lanthus vernalis</i>	Southern Pygmy Clubtail				S2S3	8	21.0 ± 0.0	NS
	<i>Stylurus scudderi</i>	Zebra Clubtail				S2S3	2	98.8 ± 0.0	NS
	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	14	21.5 ± 0.0	NS
	<i>Psephenus herricki</i>	Herrick's Water Penny Beetle				S3	1	66.6 ± 0.0	NS
	<i>Hormorus undulatus</i>	Undulated Broad-nosed Weevil				S3	1	99.9 ± 0.0	PE
	<i>Carabus serratus</i>	Serrated Ground Beetle				S3	1	97.6 ± 0.0	NS
	<i>Chrysocorus auratus</i>	Dogbane Leaf Beetle				S3	3	46.9 ± 0.0	NS
	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	3	27.2 ± 0.0	NS
	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	3	64.5 ± 0.0	PE
	<i>Ipthiminius opacus</i>	Cloudy Darkling Beetle				S3	2	61.2 ± 0.0	PE
	<i>Monochamus marmorator</i>	Balsam Fir Sawyer				S3	2	16.6 ± 0.0	NS
	<i>Astylopsis sexguttata</i>	Six-speckled Long-horned Beetle				S3	3	99.9 ± 0.0	PE
	<i>Satyrium calanus</i>	Banded Hairstreak				S3	2	34.0 ± 2.0	NS
	<i>Callophrys lanoraieensis</i>	Bog Elfin				S3	6	18.9 ± 0.0	NS
	<i>Phanogomphus descriptus</i>	Harpoon Clubtail				S3	16	80.9 ± 0.0	NS
	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	5	80.9 ± 0.0	NS
	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	14	15.2 ± 0.0	NS
	<i>Ophiogomphus rupinulensis</i>	Rusty Snaketail				S3	38	20.5 ± 0.0	NS
	<i>Somatochlora forcipata</i>	Forcinate Emerald				S3	2	93.4 ± 0.0	PE
	<i>Enallagma vernale</i>	Vernal Bluet				S3	5	73.9 ± 0.0	NS
	<i>Polygonia interrogationis</i>	Question Mark				S3B	39	6.6 ± 0.0	NS
	<i>Cecropterus pylades</i>	Northern Cloudywing				S3S4	27	17.2 ± 0.0	NS
	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	12	8.8 ± 0.0	NS
	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	3	43.2 ± 0.0	NS
	<i>Argynnis aphrodite</i>	Aphrodite Fritillary				S3S4	22	20.4 ± 100.0	NS
	<i>Polygonia faunus</i>	Green Comma				S3S4	12	8.6 ± 0.0	NS
	<i>Oeneis jutta</i>	Jutta Arctic				S3S4	9	16.4 ± 0.0	NS
	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	3	51.3 ± 1.0	NS
	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	10	43.6 ± 1.0	NS
	<i>Boyeria grafiana</i>	Ocellated Darner				S3S4	9	20.5 ± 0.0	NS
	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	5	34.9 ± 0.0	NS
	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	3	87.6 ± 1.0	PE
	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	4	25.7 ± 0.0	NS
	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	7	15.0 ± 0.0	NS
	<i>Sympetrum danae</i>	Black Meadowhawk				S3S4	9	19.1 ± 1.0	NS
	<i>Amphiagrion saucium</i>	Eastern Red Damsel				S3S4	6	60.6 ± 0.0	NS
	<i>Sphaerophoria pyrrhina</i>	Violaceous Globetail				SH	1	80.3 ± 5.0	NS
	<i>Icaricia saepiolus</i>	Greenish Blue				SH	3	34.1 ± 2.0	NS

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I	<i>Polygonia gracilis</i>	Hoary Comma				SH	2	34.6 ± 2.0	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	30	39.2 ± 0.0	NS
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	539	27.6 ± 0.0	NS
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	16	36.8 ± 0.0	NS
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	63	86.2 ± 1.0	NS
N	<i>Anzia colpododes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	23	7.5 ± 1.0	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	7	47.8 ± 0.0	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen	Threatened			S3	8	46.8 ± 0.0	NS
N	<i>Pectenaria plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	591	15.0 ± 0.0	NS
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	23	31.7 ± 0.0	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	10	36.9 ± 0.0	NS
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	7	19.4 ± 0.0	NS
N	<i>Chaenotheca servitii</i>	Flexuous Golden Stubble	Data Deficient			S1	1	43.4 ± 1.0	NS
N	<i>Cyрто-hypnum minutulum</i>	Tiny Cedar Moss				S1	1	43.4 ± 0.0	NS
N	<i>Lichina confinis</i>	Marine Seaweed Lichen				S1	2	78.0 ± 2.0	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns				S1	2	59.9 ± 0.0	NS
N	<i>Peltigera lepidophora</i>	Woollybear Lichen				S1	2	74.1 ± 0.0	PE
N	<i>Hypogymnia hultenii</i>	Scaly Pelt Lichen				S1	2	74.1 ± 0.0	PE
N	<i>Hypogymnia hultenii</i>	Powdered Honeycomb Lichen				S1	17	54.9 ± 0.0	NS
N	<i>Jubula pennsylvanica</i>	a liverwort				S1?	1	27.8 ± 0.0	NS
N	<i>Conardia compacta</i>	Coast Creeping Moss				S1?	1	99.4 ± 2.0	NS
N	<i>Tortula obtusifolia</i>	a Moss				S1?	3	64.8 ± 0.0	NS
N	<i>Enchylium limosum</i>	Lime-loving Tarpaper Lichen				S1?	1	94.2 ± 0.0	PE
N	<i>Scytinium intermedium</i>	Forty-five Jellyskin Lichen				S1?	1	36.8 ± 4.0	NS
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen				S1?	1	90.5 ± 0.0	NS
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	1	90.6 ± 0.0	NS
N	<i>Haplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1S2	1	98.8 ± 5.0	NS
N	<i>Placidium squamulosum</i>	Limy Soil Stipplescale Lichen				S1S2	1	66.0 ± 6.0	NS
N	<i>Cladonia labradorica</i>	Labrador Lichen				S1S2	1	46.9 ± 0.0	NS
N	<i>Peltigera ponojensis</i>	Pale-bellied Pelt Lichen				S1S2	1	40.4 ± 0.0	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	1	60.9 ± 0.0	NS
N	<i>Solorina spongiosa</i>	Blinking Owl Lichen				S1S2	7	22.2 ± 0.0	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	21	47.8 ± 0.0	NS
N	<i>Peltigera neckeri</i>	Black-saddle Pelt Lichen				S1S3	4	25.4 ± 0.0	NS
N	<i>Anacamptodon splachnoides</i>	a Moss				S2	1	62.7 ± 0.0	NS
N	<i>Scorpidium scorpioides</i>	Hooked Scorpion Moss				S2	1	95.2 ± 0.0	NS
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2	1	93.5 ± 2.0	NS
N	<i>Scorpidium cossonii</i>	Cosson's Hook Moss				S2	1	99.9 ± 0.0	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	1	35.8 ± 0.0	NS
N	<i>Placynthium flabellousum</i>	Scaly Ink Lichen				S2	1	97.1 ± 17.0	NS
N	<i>Moerckia flotoviana</i>	Flotow's Ruffwort				S2?	1	97.5 ± 0.0	PE
N	<i>Riccardia multifida</i>	Delicate Germanderwort				S2?	2	48.5 ± 0.0	NS
N	<i>Anomodon viticulosus</i>	a Moss				S2?	2	97.8 ± 1.0	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	2	27.0 ± 3.0	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	1	55.7 ± 0.0	NS
N	<i>Pseudocampyllum radicale</i>	Long-stalked Fine Wet Moss				S2?	1	95.2 ± 0.0	NS
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	1	77.5 ± 0.0	PE
N	<i>Kiaeria starkei</i>	Starke's Fork Moss				S2?	1	99.2 ± 10.0	NS
N	<i>Philonotis marchica</i>	a Moss				S2?	2	71.7 ± 0.0	NS
N	<i>Platydictya jungermanniioides</i>	False Willow Moss				S2?	6	36.8 ± 0.0	NS

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N	<i>Saelania glaucescens</i>	Blue Dew Moss				S2?	1	80.5 ± 0.0	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	1	80.5 ± 0.0	NS
N	<i>Platylomella lescurii</i>	a Moss				S2?	1	97.6 ± 0.0	NS
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S2S3	1	89.5 ± 25.0	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	60	31.6 ± 0.0	NS
N	<i>Moelleropsis nebulosa</i> ssp. <i>frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	3	41.4 ± 0.0	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	18	7.3 ± 0.0	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	116	18.9 ± 0.0	NS
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	4	48.4 ± 0.0	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	6	18.0 ± 6.0	NS
N	<i>Cetraria muricata</i>	Spiny Heath Lichen				S2S3	1	60.3 ± 1.0	NS
N	<i>Cladonia incrassata</i>	Powder-foot British Soldiers Lichen				S2S3	1	36.8 ± 0.0	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	16	12.4 ± 0.0	NS
N	<i>Melanohalea septentrionalis</i>	Northern Camouflage Lichen				S2S3	1	97.8 ± 0.0	PE
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	9	37.5 ± 0.0	NS
N	<i>Hypotrachyna minarum</i>	Hairless-spined Shield Lichen				S2S3	1	93.2 ± 0.0	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	4	36.8 ± 0.0	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	92.1 ± 0.0	NS
N	<i>Fuscopannaria soledata</i>	a Lichen				S2S3	11	34.9 ± 0.0	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	9	12.4 ± 0.0	NS
N	<i>Physcia subtilis</i>	Slender Rosette Lichen				S2S3	1	93.7 ± 0.0	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup Lichen				S2S3	2	43.8 ± 1.0	NS
N	<i>Ephemerum serratum</i>	a Moss				S3	2	61.0 ± 3.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	5	45.2 ± 0.0	NS
N	<i>Anomodon tristis</i>	a Moss				S3	3	46.8 ± 0.0	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	3	94.5 ± 0.0	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	4	38.9 ± 0.0	NS
N	<i>Tetraplodon mnioides</i>	Entire-leaved Nitrogen Moss				S3	1	99.0 ± 0.0	NS
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3	4	24.4 ± 0.0	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	7	44.4 ± 0.0	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	6	20.4 ± 0.0	NS
N	<i>Fuscopannaria ahlneri</i>	Corrugated Shingles Lichen				S3	104	25.1 ± 0.0	NS
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	15	20.3 ± 0.0	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	2	89.8 ± 0.0	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	5	13.2 ± 0.0	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	4	36.3 ± 10.0	NS
N	<i>Platismatia norvegica</i>	Oldgrowth Rag Lichen				S3	3	46.9 ± 0.0	NS
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	1	96.3 ± 0.0	NS
N	<i>Ephebe lanata</i>	Waterside Rockshag Lichen				S3	3	59.9 ± 0.0	NS
N	<i>Phaeophyscia adiastrata</i>	Powder-tipped Shadow Lichen				S3	4	69.2 ± 0.0	PE
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	7	14.1 ± 0.0	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	75	28.1 ± 0.0	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	1	71.2 ± 0.0	PE
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S3?	1	98.3 ± 2.0	PE
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	2	60.1 ± 3.0	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S3?	4	85.1 ± 0.0	NS
N	<i>Sphagnum riparium</i>	Streamside Peat Moss				S3?	2	71.8 ± 0.0	NS

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N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	6	51.7 ± 0.0	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	93.9 ± 0.0	NS
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	1	62.7 ± 2.0	NS
N	<i>Encalypta procera</i>	Slender Extinguisher Moss				S3S4	9	34.1 ± 0.0	NS
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S3S4	1	80.5 ± 0.0	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	2	45.5 ± 0.0	NS
N	<i>Tomentypnum nitens</i>	Golden Fuzzy Fen Moss				S3S4	2	94.5 ± 2.0	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	2	40.5 ± 3.0	NS
N	<i>Bryoria pseudofuscescens</i>	Mountain Horsehair Lichen				S3S4	14	79.0 ± 0.0	PE
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	5	20.3 ± 0.0	NS
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3S4	42	34.6 ± 0.0	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	11	34.1 ± 0.0	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	10	13.7 ± 0.0	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	40	12.8 ± 0.0	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	24	14.5 ± 0.0	NS
N	<i>Vahlia leucophaea</i>	Shelter Shingle Lichen				S3S4	4	13.2 ± 0.0	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	20	30.1 ± 0.0	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	38	35.5 ± 0.0	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	3	19.2 ± 0.0	NS
N	<i>Parmeliopsis hyperopta</i>	Gray Starburst Lichen				S3S4	4	56.4 ± 1.0	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	1	47.2 ± 0.0	NS
N	<i>Peltigera hymenina</i>	Cloudy Pelt Lichen				S3S4	2	69.1 ± 1.0	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	2	92.7 ± 0.0	NS
N	<i>Sclerophora peronella</i>	Frosted Glass-whiskers Lichen				S3S4	1	61.3 ± 0.0	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	801	22.5 ± 0.0	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	4	54.3 ± 3.0	NS
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	89	12.7 ± 0.0	NS
N	<i>Evermia prunastri</i>	Valley Oakmoss Lichen				S3S4	37	26.1 ± 0.0	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	76	30.3 ± 0.0	NS
P	<i>Fraxinus nigra</i>	Black Ash			Threatened	S1S2	537	14.9 ± 0.0	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Threatened			S2S3	11	30.5 ± 1.0	NS
P	<i>Arnica lonchophylla</i>	Northern Arnica				S1	1	98.8 ± 7.0	NS
P	<i>Betula minor</i>	Dwarf White Birch				S1	1	51.6 ± 0.0	NS
P	<i>Cardamine dentata</i>	Toothed Bittercress				S1	1	96.1 ± 0.0	NS
P	<i>Cochlearia tridactylites</i>	Limestone Scurvy-grass				S1	12	62.1 ± 0.0	NS
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S1	6	25.0 ± 7.0	NS
P	<i>Ribes americanum</i>	Wild Black Currant				S1	1	81.3 ± 5.0	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	2	83.3 ± 0.0	PE
P	<i>Persicaria careyi</i>	Carey's Smartweed				S1	1	82.0 ± 3.0	NS
P	<i>Montia fontana</i>	Water Blinks				S1	2	72.0 ± 3.0	NS
P	<i>Salix myrtilifolia</i>	Blueberry Willow				S1	1	88.7 ± 0.0	NS
P	<i>Salix serissima</i>	Autumn Willow				S1	2	88.7 ± 0.0	NS
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S1	1	58.7 ± 1.0	NS
P	<i>Carex alopecoidea</i>	Foxtail Sedge				S1	3	41.5 ± 0.0	NS
P	<i>Carex garberi</i>	Garber's Sedge				S1	4	63.2 ± 0.0	NS
P	<i>Carex granularis</i>	Limestone Meadow Sedge				S1	1	96.8 ± 0.0	NS
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	4	50.7 ± 0.0	NS
P	<i>Carex tenuiflora</i>	Sparse-Flowered Sedge				S1	1	75.6 ± 1.0	NS
P	<i>Carex tinctoria</i>	Tinged Sedge				S1	2	41.5 ± 0.0	NS
P	<i>Carex viridula var. saxillitoralis</i>	Greenish Sedge				S1	4	80.2 ± 0.0	NS
P	<i>Carex viridula var. elatior</i>	Greenish Sedge				S1	21	95.5 ± 0.0	NS
P	<i>Carex grisea</i>	Inflated Narrow-leaved Sedge				S1	6	30.8 ± 0.0	NS
P	<i>Cyperus lupulinus ssp. macilentus</i>	Hop Flatsedge				S1	18	26.8 ± 10.0	NS

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P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	1	100.0 ± 0.0	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	2	21.8 ± 1.0	NS
P	<i>Juncus vaseyi</i>	Vasey Rush				S1	1	67.7 ± 0.0	NS
P	<i>Trillium grandiflorum</i>	White Trillium				S1	1	95.0 ± 1.0	PE
P	<i>Malaxis monophylla</i> var. <i>brachypoda</i>	North American White Adder's-mouth				S1	1	57.6 ± 7.0	NS
P	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	Slim-stemmed Reed Grass				S1	2	91.2 ± 0.0	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	2	26.6 ± 1.0	NS
P	<i>Potamogeton nodosus</i>	Long-leaved Pondweed				S1	1	54.5 ± 5.0	NS
P	<i>Sparganium androcladum</i>	Branching Bur-Reed				S1	1	98.7 ± 1.0	NS
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	2	79.7 ± 0.0	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	8	90.2 ± 0.0	NS
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	1	37.3 ± 7.0	NS
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	1	87.6 ± 3.0	NS
P	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives				S1?	2	84.0 ± 7.0	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	5	40.3 ± 0.0	NS
P	<i>Ageratina altissima</i>	White Snakeroot				S1S2	2	33.9 ± 7.0	NS
P	<i>Proserpinaca intermedia</i>	Intermediate Mermaidweed				S1S2	1	96.7 ± 0.0	NS
P	<i>Anemone virginiana</i> var. <i>alba</i>	Virginia Anemone				S1S2	9	72.3 ± 5.0	NS
P	<i>Parnassia parviflora</i>	Small-flowered Grass-of-Parnassus				S1S2	11	34.5 ± 1.0	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	4	14.9 ± 0.0	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	4	12.8 ± 10.0	NS
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	5	41.5 ± 0.0	NS
P	<i>Zizia aurea</i>	Golden Alexanders				S2	42	24.6 ± 0.0	NS
P	<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Parlin's Pussytoes				S2	1	62.9 ± 0.0	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	10	20.6 ± 0.0	NS
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	20	33.3 ± 0.0	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	3	59.2 ± 1.0	NS
P	<i>Hepatica americana</i>	Round-lobed Hepatica				S2	22	56.6 ± 0.0	NS
P	<i>Comandra umbellata</i>	Bastard's Toadflax				S2	36	38.6 ± 5.0	NS
P	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop				S2	4	73.8 ± 0.0	NS
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	4	88.7 ± 0.0	NS
P	<i>Carex pellita</i>	Woolly Sedge				S2	10	33.2 ± 0.0	NS
P	<i>Carex livida</i>	Livid Sedge				S2	12	33.1 ± 0.0	NS
P	<i>Juncus greenii</i>	Greene's Rush				S2	1	40.5 ± 1.0	NS
P	<i>Juncus alpinoarticulatus</i> ssp. <i>americanus</i>	Northern Green Rush				S2	8	86.7 ± 0.0	NS
P	<i>Luzula spicata</i>	Spiked Woodrush				S2	1	30.9 ± 0.0	NS
P	<i>Allium tricoccum</i>	Wild Leek				S2	9	63.8 ± 0.0	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	101	15.2 ± 1.0	NS
P	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper				S2	27	30.7 ± 0.0	NS
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	2	60.2 ± 0.0	NS
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	113	50.7 ± 0.0	NS
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid				S2	9	58.7 ± 1.0	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	12	11.1 ± 0.0	NS
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S2	39	53.6 ± 0.0	NS
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	43	66.0 ± 0.0	NS
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S2	15	27.3 ± 0.0	NS
P	<i>Sparganium hyperboreum</i>	Northern Burreed				S2	3	59.3 ± 0.0	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	7	97.3 ± 0.0	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	9	29.0 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	3	21.4 ± 7.0	NS
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	2	79.5 ± 0.0	NS
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	5	11.3 ± 0.0	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	17	25.4 ± 0.0	NS
P	<i>Bidens hyperborea</i>	Estuary Beggarticks				S2S3	1	33.9 ± 1.0	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	4	26.8 ± 7.0	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	7	28.0 ± 7.0	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	52	21.2 ± 0.0	NS
P	<i>Boechea stricta</i>	Drummond's Rockcress				S2S3	6	69.0 ± 0.0	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	6	51.2 ± 0.0	NS
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2S3	7	39.6 ± 7.0	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	1	59.2 ± 1.0	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	1	99.3 ± 3.0	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	13	26.0 ± 2.0	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	9	0.1 ± 1.0	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	4	34.3 ± 5.0	NS
P	<i>Oenothera fruticosa</i> ssp. <i>tetragona</i>	Narrow-leaved Evening Primrose				S2S3	3	45.7 ± 7.0	NS
P	<i>Polygonum aviculare</i> ssp. <i>buxiforme</i>	Box Knotweed				S2S3	2	34.6 ± 0.0	NS
P	<i>Polygonum oxyspermum</i> ssp. <i>raii</i>	Ray's Knotweed				S2S3	4	60.9 ± 1.0	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	3	82.6 ± 10.0	NS
P	<i>Primula mistassinica</i>	Mistassini Primrose				S2S3	17	56.7 ± 7.0	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	20	28.9 ± 0.0	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	53	23.0 ± 0.0	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	1	73.7 ± 1.0	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	2	85.0 ± 2.0	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	4	70.1 ± 1.0	NS
P	<i>Tiarella cordifolia</i>	Heart-leaved Foamflower				S2S3	224	34.7 ± 7.0	NS
P	<i>Agalinis purpurea</i> var. <i>parviflora</i>	Small-flowered Purple False Foxglove				S2S3	5	21.3 ± 0.0	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	5	50.7 ± 5.0	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	4	81.9 ± 0.0	PE
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	1	87.5 ± 1.0	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	33	41.7 ± 0.0	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	4	47.1 ± 0.0	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	6	68.0 ± 0.0	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	1	87.5 ± 1.0	NS
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	1	92.2 ± 0.0	NS
P	<i>Spiranthes casei</i>	Case's Ladies'-Tresses				S2S3	1	41.1 ± 1.0	NS
P	<i>Spiranthes casei</i> var. <i>novaescotiae</i>	Case's Ladies'-Tresses				S2S3	3	39.9 ± 0.0	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	46	33.1 ± 1.0	NS
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S2S3	1	95.7 ± 0.0	PE
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	9	69.2 ± 0.0	PE
P	<i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	7	24.2 ± 0.0	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	3	24.2 ± 0.0	NS
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	1	65.2 ± 0.0	NS
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	3	65.9 ± 2.0	NS
P	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica				S3	15	65.7 ± 1.0	PE
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	1	51.3 ± 5.0	NS
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S3	3	64.2 ± 7.0	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	26	56.3 ± 0.0	NS
P	<i>Symphyotrichum boreale</i>	Boreal Aster				S3	32	84.0 ± 7.0	NS
P	<i>Symphyotrichum ciliolatum</i>	Fringed Blue Aster				S3	18	18.8 ± 7.0	NS
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	27	45.8 ± 5.0	NS

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P	<i>Betula pumila</i>	Bog Birch				S3	15	85.7 ± 0.0	PE
P	<i>Cardamine parviflora</i>	Small-flowered Bittercress				S3	4	83.4 ± 0.0	NS
P	<i>Palustricodon aparinoides</i>	Marsh Bellflower				S3	30	15.2 ± 1.0	NS
P	<i>Lobelia kalmii</i>	Brook Lobelia				S3	36	86.6 ± 0.0	NS
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S3	9	51.8 ± 1.0	NS
P	<i>Sagina nodosa ssp. borealis</i>	Knotted Pearlwort				S3	7	78.4 ± 0.0	NS
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S3	12	63.8 ± 1.0	NS
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S3	3	67.7 ± 0.0	NS
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	177	15.9 ± 0.0	NS
P	<i>Viburnum edule</i>	Squashberry				S3	3	57.3 ± 0.0	NS
P	<i>Halenia deflexa</i>	Spurred Gentian				S3	23	39.7 ± 1.0	NS
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	2	65.8 ± 0.0	NS
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	33	46.2 ± 0.0	NS
P	<i>Polygala sanguinea</i>	Blood Milkwort				S3	19	34.3 ± 1.0	NS
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	19	16.0 ± 0.0	NS
P	<i>Plantago rugelii</i>	Rugel's Plantain				S3	3	40.0 ± 0.0	NS
P	<i>Samolus parviflorus</i>	Seaside Brookweed				S3	12	28.4 ± 1.0	NS
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	1	65.6 ± 0.0	NS
P	<i>Anemone virginiana</i>	Virginia Anemone				S3	37	30.7 ± 0.0	NS
P	<i>Galium kamtschaticum</i>	Northern Wild Licorice				S3	1	99.1 ± 1.0	NS
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S3	124	64.9 ± 0.0	NS
P	<i>Salix pedicularis</i>	Bog Willow				S3	52	45.7 ± 7.0	NS
P	<i>Saxifraga paniculata ssp. laestadii</i>	Laestadius' Saxifrage				S3	1	97.9 ± 7.0	NS
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel				S3	18	15.8 ± 0.0	NS
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	40	15.7 ± 0.0	NS
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	5	18.9 ± 6.0	NS
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	9	33.4 ± 0.0	NS
P	<i>Carex bebbii</i>	Bebb's Sedge				S3	17	28.7 ± 10.0	NS
P	<i>Carex castanea</i>	Chestnut Sedge				S3	41	80.2 ± 0.0	NS
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	11	53.6 ± 1.0	NS
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	27	20.4 ± 0.0	NS
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S3	37	25.1 ± 0.0	NS
P	<i>Carex lupulina</i>	Hop Sedge				S3	26	6.6 ± 6.0	NS
P	<i>Carex rosea</i>	Rosy Sedge				S3	15	24.9 ± 0.0	NS
P	<i>Carex tenera</i>	Tender Sedge				S3	7	50.7 ± 1.0	NS
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	14	16.1 ± 0.0	NS
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	1	47.1 ± 0.0	NS
P	<i>Eleocharis flavescens var. olivacea</i>	Bright-green Spikerush				S3	5	22.3 ± 0.0	NS
P	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush				S3	9	87.0 ± 0.0	NS
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S3	9	62.3 ± 1.0	NS
P	<i>Schoenoplectus americanus</i>	Olney's Bulrush				S3	1	30.9 ± 0.0	NS
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S3	52	20.4 ± 0.0	NS
P	<i>Neottia bifolia</i>	Southern Twayblade				S3	52	31.6 ± 0.0	NS
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	148	15.9 ± 0.0	NS
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	2	32.0 ± 0.0	NS
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S3	4	35.3 ± 7.0	NS
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S3	5	82.0 ± 3.0	NS
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed				S3	8	82.4 ± 0.0	NS
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	20	14.3 ± 0.0	NS
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	6	25.5 ± 1.0	NS
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S3	9	67.7 ± 0.0	NS
P	<i>Asplenium viride</i>	Green Spleenwort				S3	5	72.7 ± 0.0	NS
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	6	28.1 ± 0.0	NS
P	<i>Polystichum lonchitis</i>	Northern Holly Fern				S3	2	90.1 ± 100.0	NS

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P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	4	6.9 ± 1.0	NS
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	10	36.3 ± 0.0	NS
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	1	15.8 ± 0.0	NS
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3?	51	31.1 ± 0.0	NS
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	6	3.8 ± 1.0	NS
P	<i>Bidens vulgata</i>	Tall Beggarticks				S3S4	5	27.7 ± 0.0	NS
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	20	16.8 ± 0.0	NS
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S3S4	7	20.8 ± 0.0	NS
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	11	6.8 ± 0.0	NS
P	<i>Packera paupercula</i>	Balsam Groundsel				S3S4	81	20.3 ± 0.0	NS
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush				S3S4	3	71.5 ± 0.0	NS
P	<i>Shepherdia canadensis</i>	Soapberry				S3S4	43	85.8 ± 0.0	NS
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3S4	9	54.3 ± 1.0	NS
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	54	21.6 ± 0.0	NS
P	<i>Fagus grandifolia</i>	American Beech				S3S4	321	7.7 ± 0.0	NS
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	2	45.9 ± 1.0	NS
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3S4	1	40.6 ± 2.0	NS
P	<i>Persicaria pensylvanica</i>	Pennsylvania Smartweed				S3S4	21	27.7 ± 0.0	NS
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3S4	39	25.9 ± 0.0	NS
P	<i>Rumex pallidus</i>	Seabeach Dock				S3S4	1	33.7 ± 0.0	NS
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3S4	9	15.0 ± 0.0	NS
P	<i>Endotropis alnifolia</i>	alder-leaved buckthorn				S3S4	347	16.2 ± 0.0	NS
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	7	46.8 ± 5.0	NS
P	<i>Fragaria vesca</i> ssp. <i>americana</i>	Woodland Strawberry				S3S4	48	20.3 ± 0.0	NS
P	<i>Fragaria vesca</i>	Woodland Strawberry				S3S4	2	45.3 ± 0.0	NS
P	<i>Galium aparine</i>	Common Bedstraw				S3S4	19	26.6 ± 4.0	NS
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	78	48.6 ± 0.0	NS
P	<i>Limosella australis</i>	Southern Mudwort				S3S4	7	68.4 ± 1.0	PE
P	<i>Ulmus americana</i>	White Elm				S3S4	64	10.3 ± 0.0	NS
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	97	10.5 ± 0.0	NS
P	<i>Viola selkirkii</i>	Great-Spurred Violet				S3S4	1	68.4 ± 1.0	NS
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	1	72.9 ± 5.0	PE
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	22	77.9 ± 0.0	NS
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	1	16.1 ± 0.0	NS
P	<i>Juncus subcaudatus</i>	Woods-Rush				S3S4	13	20.3 ± 5.0	NS
P	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	Black-fruited Woodrush				S3S4	3	21.7 ± 0.0	NS
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3S4	7	70.4 ± 1.0	PE
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	11	66.9 ± 0.0	NS
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	6	25.1 ± 10.0	NS
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	23	38.9 ± 0.0	NS
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3S4	9	16.8 ± 1.0	NS
P	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass				S3S4	93	20.1 ± 0.0	NS
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	1	96.4 ± 0.0	NS
P	<i>Koeleria spicata</i>	Narrow False Oats				S3S4	9	33.6 ± 0.0	NS
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S3S4	4	68.6 ± 0.0	NS
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3S4	23	72.4 ± 0.0	NS
P	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar				S3S4	5	20.6 ± 0.0	NS
P	<i>Diphasiastrum sitchense</i>	Sitka Ground-cedar				S3S4	20	25.8 ± 1.0	NS
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3S4	3	78.6 ± 5.0	NS
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	6	33.6 ± 0.0	NS
P	<i>Botrychium matricariifolium</i>	Daisy-leaved Moonwort				S3S4	6	25.1 ± 0.0	NS
P	<i>Viola canadensis</i>	Canada Violet				SH	2	74.0 ± 7.0	NS

5.1 SOURCE BIBLIOGRAPHY (100 km)

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

# recs	CITATION
8068	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
4347	Pardieck, K.L., Ziolkowski Jr., D.J., Lutmerding, M., Aponete, 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
4155	Eaton, S. 2014. Nova Scotia Wood Turtle Database. Environment and Climate Change Canada, 4843 recs.
3950	East Coast Aquatics Inc. 2023. Year 3 (2022) Wood Turtle Monitoring Hwy 104 Sutherlands River To Antigonish.
2463	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca.
2358	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
1422	Paquet, Julie. 2018. Atlantic Canada Shorebird Survey (ACSS) database 2012-2018. Environment Canada, Canadian Wildlife Service.
1233	Morrison, Guy. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
700	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
676	eBird. 2020. eBird Basic Dataset. Version: EBD_relNov-2019. Ithaca, New York. Nov 2019, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology.
535	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
475	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
458	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
442	Henger, Benjamin. 2023. Barn Swallow observations since 2017. Island Nature Trust.
440	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
435	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre Fieldwork 2015. Atlantic Canada Conservation Data Centre, # recs.
422	SwiftWatch. 2022. Total Chimney Swift counts from roost watches for the duration of the SwiftWatch program (2011-2021). Birds Canada.
410	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).
365	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
347	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
323	Blaney, C.S.; Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
311	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
266	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
237	Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.
237	Wildlife Division. 2021. <i>Fraxinus nigra</i> records assembled to define and model habitat. Nova Scotia Department of Natural Resources and Renewables.
232	Blaney, C.S.; Mazerolle, D.M. 2009. Fieldwork 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
230	Island Nature Trust. 2023. Bobolink observations from Farmland Bird Program, 2017-2022. Island Nature Trust. Pers. comm., 1346 records.
220	Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.
192	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
190	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
166	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
164	Staicer, Cindy. 2023. 2022 SAR Bird field occurrences from the Landbirds at Risk Project, NS. Dalhousie University, 446 records.
160	Blaney, C.S. & Spicer, C.D.; Popma, T.M.; Basquill, S.P. 2003. Vascular Plant Surveys of Northumberland Strait Rivers & Amherst Area Peatlands. Nova Scotia Museum Research Grant, 501 recs.
156	Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
156	Churchill, J.L. 2022. Atlantic Canada Conservation Data Centre Fieldwork 2022. Atlantic Canada Conservation Data Centre.
146	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.
142	Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.
138	Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
138	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
123	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
121	Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
120	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
119	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
118	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
115	MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
113	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
106	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
100	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
98	Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
97	Blaney, C.S.; Korol, J.B.; Crowell, I. 2023. 2022 AC CDC Botany program field data. Atlantic Canada Conservation Data Centre, 5293 records.
97	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
93	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
92	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.

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89	Blaney, C.S. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 6719 recs.
89	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
87	Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
87	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
83	Chapman-Lam, C.J. 2022. Atlantic Canada Conservation Data Centre 2021 botanical fieldwork. Atlantic Canada Conservation Data Centre, 15099 recs.
82	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
80	Arsenault, M. 2019. Cormorant colony nest counts. PE Department of Communities, Land, and Environment.
78	Belliveau, A.G., King, K., Vail, C. 2020. Bras d'Or Lakes Watershed <i>Pectenium plumbea</i> records, 2020. Acadia University E.C. Smith Herbarium.
75	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
73	Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.
72	eBird. 2020. eBird Basic Dataset. Version: EBD_relFeb-2020. Ithaca, New York. Feb 2020, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology, 5063 recs.
72	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
70	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
68	Island Nature Trust. 2016. Farmland birds project. Mader, Shannon (ed.) .
65	Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.
63	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
60	Mazerolle, D.M. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
60	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
59	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
59	Hagerman, Christianne. 2022. Wisqoq and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
57	LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
54	Staicer, Cindy. 2023. 2022 SAR Bird ARU occurrences. Dalhousie University, 379 records.
51	Gallop, John. 2023. Species at Risk and Species of Conservation Interest records. McCallum Environmental.
51	Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
51	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
49	Neily, T.H. & Pepper, C.; Toms, B. 2015. Nova Scotia lichen location database [as of 2015-02-15]. Mersey Tobeatic Research Institute, 1691 records.
48	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
45	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
44	McRae, Daniel. 2023. Black Ash and other flora records on Prince Edward Island. MacPhail Woods Ecological Forestry Project, 443 records.
42	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
42	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
42	Pulsifer, M.D. 2002. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 369 recs.
38	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
38	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
37	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
37	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
36	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
36	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
35	Benjamin, L.K. 2009. D. Anderson Odonata Records for Cape Breton, 1997-2004. Nova Scotia Dept Natural Resources, 1316 recs.
35	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
34	Paquet, Julie. 2019. Atlantic Canada Shorebird Survey ACSS database for 2019. Environment Canada, Canadian Wildlife Service.
33	Neily, T.H. 2010. Erioderma Pedicellatum records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
32	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
32	Quigley, E.J. & Neily, P.D.. 2012. Botanical Discoveries in Inverness County, NS. Nova Scotia Dept Natural Resources. Pers. comm. to C.S. Blaney, Nov. 29, 141 rec.
32	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
31	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
31	Catling, P.M., Erskine, D.S. & MacLaren, R.B. 1985. The Plants of Prince Edward Island with new records, nomenclatural changes & corrections & deletions, 1st Ed. Research Branch, Agriculture Canada, Ottawa, Publication 1798. 22pp.
31	Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
29	Blaney, C.S. 2020. Sean Blaney 2020 field data. Atlantic Canada Conservation Data Centre, 4407 records.
29	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
27	Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
27	Sollows, M.C.. 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
26	Belliveau, A.G. 2021. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2021. E.C. Smith Herbarium.
26	Klymko, John. 2022. Atlantic Canada Conservation Data Centre zoological fieldwork 2021. Atlantic Canada Conservation Data Centre.
25	Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.
24	Neily, T.H. 2013. Email communication to Sean Blaney regarding <i>Listera australis</i> observations made from 2007 to 2011 in Nova Scotia. , 50.
23	Pepper, Chris. 2012. Observations of breeding Canada Warbler's along the Eastern Shore, NS. Pers. comm. to S. Blaney, Jan. 20, 28 recs.
23	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.

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23	Rock, J. 2020. Atlantic Canada Piping Plover field surveys: Nesting pairs by beach, 2018-2020. Environment and Climate Change Canada - Canadian Wildlife Service, 216 records.
22	Birds Canada. 2022. Maritimes Swiftwatch project data for 2022. Pers. comm., 155 records.
22	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
21	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
21	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
20	Blaney, C.S.; Mazerolle, D.M.; Oberndorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sackville NB, 13770 recs.
20	Cameron, R.P. 2018. <i>Degelia plumbea</i> records. Nova Scotia Environment.
20	Chapman, C.N. (Cody). 2020. Nova Scotia Black Ash (<i>Fraxinus nigra</i>) field observations by Confederacy of Mainland Mi'kmaq. Forestry Program, Confederacy of Mainland Mi'kmaq.
20	Hirtle, Sarah. 2023. 2022 Bank Swallow occurrence data. Island Nature Trust.
19	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of <i>C. insculpta</i> sightings. Acadia University, Wolfville NS, 88 recs.
19	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
19	Hall, R.A. 2001. S.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
18	Bell, G. 2018. Moose, bat and bird records from Goldboro LNG Project, NS, Environmental Assessment. Amec Foster Wheeler.
18	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
18	Glen, W. 1991. 1991 Prince Edward Island Forest Biomass Inventory Data. PEI Dept of Energy and Forestry, 10059 recs.
18	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
18	Neily, T.H. 2012. 2012 <i>Erioderma pedicellatum</i> records in Nova Scotia.
18	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
17	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
16	McMullin, R.T. 2022. Maritimes lichen records. Canadian Museum of Nature.
15	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
15	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
15	Cameron-MacMillan, Maureen. 2020. Northern Goshawk Nests in Eastern Nova Scotia, as of November, 2020. Nova Scotia Department of Lands and Forestry.
15	Toms, Brad. 2022. Non-Lichen Observations from Lichen SMP and NCC Property Searches. Mersey Tobeatic Research Institute.
14	Blaney, C.S.; Spicer, C.D.; Mazerolle, D.M. 2005. Fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
14	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
14	Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
14	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
14	eBird. 2021. eBird Basic Dataset. Version: EBD_relOct-2020. Ithaca, New York. Oct 2020, Prince Edward Island Bird SAR subset. Cornell Lab of Ornithology.
14	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
14	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
14	Powell, B.C. 1967. Female sexual cycles of <i>Chrysemys picta</i> & <i>Clemmys insculpta</i> in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
14	Taylor, B.R., and Tam, J.C. 2012. Local distribution of the rare plant <i>Triosteum aurantiacum</i> in northeastern Nova Scotia, Canada. <i>Rhodora</i> , 114(960): 366-382.
13	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
13	Robinson, S.L. 2015. 2014 field data.
12	Berrigan, L. 2019. Maritimes Marsh Monitoring Project 2013, 2014, 2016, 2017, and 2018 data. Bird Studies Canada, Sackville, NB.
12	Burns, L. 2013. Personal communication concerning bat occurrence on PEI. Winter 2013. Pers. comm.
12	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
12	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
12	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
12	Neily, T.H. 2017. Maritimes Lichen and Bryophyte records. Atlantic Canada Conservation Data Centre, 1015 recs.
12	Phinney, Lori; Toms, Brad; et. al. 2016. Bank Swallows (<i>Riparia riparia</i>) in Nova Scotia: inventory and assessment of colonies. Merser Tobeatic Research Institute, 25 recs.
11	Klymko, J. 2021. Atlantic Canada Conservation Data Centre zoological fieldwork 2020. Atlantic Canada Conservation Data Centre.
11	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
11	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
11	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
11	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
11	Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
11	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
9	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
9	Blacquiére, Hailey. 2022. Black Ash locations in August 2022. PEI Forests Fish and Wildlife Division. Pers. comm., 9 records.
9	Cameron, R.P. 2005. <i>Erioderma pedicellatum</i> unpublished data. NS Dept of Environment, 9 recs.
9	Cameron, R.P. 2006. <i>Erioderma pedicellatum</i> 2006 field data. NS Dept of Environment, 9 recs.
9	e-Butterfly. 2016. Export of Maritimes records and photos. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
9	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.
9	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
9	Unama'ki Institute of Natural Resources. 2022. Wisqoq (Black Ash) records in Port Hood, NS. pers. comm., 9 records.
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.

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8	Envirosphere Consultants Ltd., Strum. 2023. SAR records from three Environmental Assessments in Nova Scotia. Envirosphere Consultants Ltd., Strum, 48 records.
8	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
8	Mersey Tobeatic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobeatic Research Institute, 72 records.
8	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J.; ONHIC, 487 recs.
8	Richardson, D., Anderson, F., Cameron, R., McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (<i>Anzia colpodes</i>). COSEWIC.
7	Cameron, B. 2006. Hepatica americana Survey at Scotia Mine Site in Gays River, and Discovery of Three Yellow-listed Species. Conestoga-Rovers and Associates, (a consulting firm), october 25. 7 recs.
7	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
7	Curley, F.R. 2005. PEF&W Collection 2003-04. PEI Fish & Wildlife Div., 716 recs.
7	Huble, Nicole. 2022. Monarch (<i>Danaus plexippus</i>) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
7	Hughes, Cory. 2020. Atlantic Forestry Centre <i>Coccinella transversoguttata</i> collections. Canadian Forest Service, Atlantic Forestry Centre.
7	Klymko, John. 2023. Atlantic Canada Conservation Data Centre zoological fieldwork 2022. Atlantic Canada Conservation Data Centre.
7	McNeil, Jeffie. 2023. 2022 Turtle Records. Mersey Tobeatic Research Institute.
7	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
7	O'Neil, S. 1998. Atlantic Salmon: Northumberland Strait Nova Scotia part of SFA 18. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-08. 9 recs.
7	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
7	Robinson, S.L. 2011. 2011 ND dune survey field data. Atlantic Canada Conservation Data Centre, 2715 recs.
6	Amirault, D.L. 1997-2000. Unpublished files. Canadian Wildlife Service, Sackville, 470 recs.
6	Anderson, Frances; Neily, Tom. 2010. A Reconnaissance Level Survey of Calciphilous Lichens in Selected Karst Topography in Nova Scotia with Notes on Incidental Bryophytes. Mersey Tobeatic Research Institute.
6	anon. 2001. S.. H.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 76 recs.
6	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
6	Dibblee, R.L. 1999. PEI Cormorant Survey. Prince Edward Island Fisheries, Aquaculture & Environment, 1p. 21 recs.
6	Erskine, D. 1960. The plants of Prince Edward Island, 1st Ed. Research Branch, Agriculture Canada, Ottawa., Publication 1088. 1238 recs.
6	Gallop, John. 2021. Sheet Harbour rare lichen observations. McCallum Environmental.
6	Hall, R. 2008. Rare plant records in old fieldbook notes from Truro area. Pers. comm. to C.S. Blaney. 6 recs, 6 recs.
6	McMullin, R.T. 2015. Prince Edward Island's lichen biodiversity and proposed conservation status in a report prepared for the province of PEI. Biodiversity Institute of Ontario Herbarium, University of Guelph, 776 records.
6	McRae, Daniel. 2023. PEI EcoGiftsSite Records for 2022. Pers. comm., 990 records.
6	Nature Conservancy Canada, Prince Edward Island. 2022. NCC PEI 2022 occurrence data. NCC PEI. Pers. comm., 214 records.
6	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
6	Power, T.; Gilhen, J. 2018. Status, distribution, and nesting ecology of Snapping Turtle (<i>Chelydra serpentina</i>) on Cape Breton Island, Nova Scotia, Canada. The Canadian Field Naturalist, 132(1): 8-17.
6	Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.
5	Anderson, Frances; Neily, Tom. 2014. A Reconnaissance Level Survey of Cryptogams in Selected Karst Topography in Cape Breton. Mersey Tobeatic Research Institute.
5	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
5	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
5	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.
5	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
5	Feltham, Carter. 2022. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
5	Hill, N.M. 1994. Status report on the Long's bulrush <i>Scirpus longii</i> in Canada. Committee on the Status of Endangered Wildlife in Canada, 7 recs.
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