

# DATA REPORT 7431: Benjamins Mill, NS

Prepared 22 September 2022  
by C. Robicheau, Conservation Data  
Analyst

## CONTENTS OF REPORT

### 1.0 Preface

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

### 2.0 Rare and Endangered Species

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

### 3.0 Special Areas

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

### 4.0 Rare Species Lists

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

### 5.0 Rare Species within 100 km

- 5.1 Source Bibliography



**Map 1.** A 100 km buffer around the study area

## 1.0 PREFACE

The Atlantic Canada Conservation Data Centre (AC CDC; [www.accdc.com](http://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>
BenjaminsMilNS_7431ob.xls	Rare or legally-protected Flora and Fauna in your study area
BenjaminsMilNS_7431ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
BenjaminsMilNS_7431msa.xls	Managed and Biologically Significant Areas in your study area

## 1.2 RESTRICTIONS

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

- 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.
- Data is restricted to use by the specified Data User; any third party requiring data must make its own data request.
- 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.
- AC CDC data responses are restricted to the data in our Data System at the time of the data request.
- 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.
- AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
- 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:

<b>Plants, Lichens, Ranking Methods, All other Inquiries</b>	Sean Blaney	Senior Scientist / Executive Director	(506) 364-2658	<a href="mailto:sean.blaney@accdc.ca">sean.blaney@accdc.ca</a>
<b>Animals (Fauna)</b>	John Klymko	Zoologist	(506) 364-2660	<a href="mailto:john.klymko@accdc.ca">john.klymko@accdc.ca</a>
<b>Data Management, GIS</b>	James Churchill	Conservation Data Analyst / Field Biologist		<a href="mailto:james.churchill@accdc.ca">james.churchill@accdc.ca</a>
<b>Billing</b>	Jean Breau	Financial Manager / Executive Assistant	(506) 364-2657	<a href="mailto:jean.breau@accdc.ca">jean.breau@accdc.ca</a>

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.

**New Brunswick.** For information about rare taxa, protected areas, game animals, deer yards, old growth forests, archeological sites, fish habitat etc., or to determine if location-sensitive species (section 4.3) occur near your study site, please contact Hubert Askanas, Energy and Resource Development: (506) 453-5873.

**Nova Scotia.** For information about Species at Risk or general questions about Nova Scotia location-sensitive species please contact the Biodiversity Program at [biodiversity@novascotia.ca](mailto:biodiversity@novascotia.ca). For questions about protected areas, game animals, deer yards, old growth forests, archeological sites, fish habitat etc., or to determine if location-sensitive species (section 4.3) occur near your study site please contact a Regional Biologist:

<b>DIGB, ANNA, KING</b>	Emma Vost	(902) 670-8187	<a href="mailto:Emma.Vost@novascotia.ca">Emma.Vost@novascotia.ca</a>
<b>SHEL, YARM</b>	Sian Wilson	(902) 930-2978	<a href="mailto:Sian.Wilson@novascotia.ca">Sian.Wilson@novascotia.ca</a>
<b>QUEE, LUNE</b>	Peter Kydd	(902) 523-0969	<a href="mailto:Peter.Kydd@novascotia.ca">Peter.Kydd@novascotia.ca</a>
<b>HALI, HANT</b>	Shavonne Meyer	(902) 893-0816	<a href="mailto:Shavonne.Meyer@novascotia.ca">Shavonne.Meyer@novascotia.ca</a>
<b>Central Region</b>	Jolene Laverty	(902) 324-8953	<a href="mailto:Jolene.Laverty@novascotia.ca">Jolene.Laverty@novascotia.ca</a>
<b>COLC, CUMB</b>	Kimberly George	(902) 890-1046	<a href="mailto:Kimberly.George@novascotia.ca">Kimberly.George@novascotia.ca</a>
<b>ANTI, GUYS</b>	Harrison Moore	(902) 497-4119	<a href="mailto:Harrison.Moore@novascotia.ca">Harrison.Moore@novascotia.ca</a>
<b>INVE, VICT</b>	Maureen Cameron-MacMillan	(902) 295-2554	<a href="mailto:Maureen.Cameron-MacMillan@novascotia.ca">Maureen.Cameron-MacMillan@novascotia.ca</a>
<b>CAPE, RICH, PICT</b>	Elizabeth Walsh	(902) 563-3370	<a href="mailto:Elizabeth.Walsh@novascotia.ca">Elizabeth.Walsh@novascotia.ca</a>

**Prince Edward Island.** For information about rare taxa, protected areas, game animals, fish habitat etc., please contact Garry Gregory, PEI Department of Environment, Energy and Climate Action: (902) 569-7595.

## 2.0 RARE AND ENDANGERED SPECIES

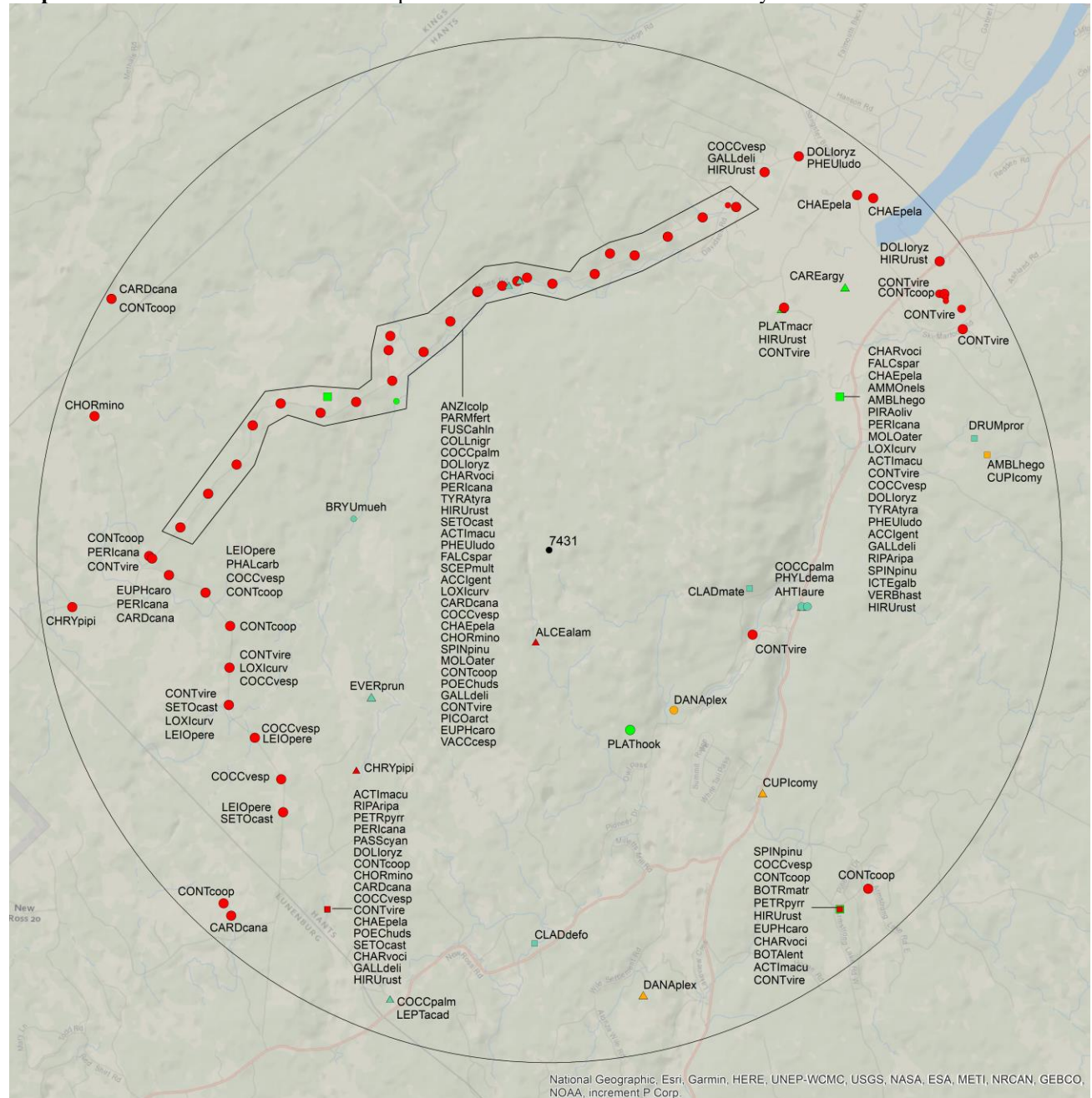
### 2.1 FLORA

The study area contains 7 records of 7 vascular and 17 records of 13 nonvascular flora (Map 2 and attached: \*ob.xls).

### 2.2 FAUNA

The study area contains 405 records of 34 vertebrate and 6 records of 3 invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). 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

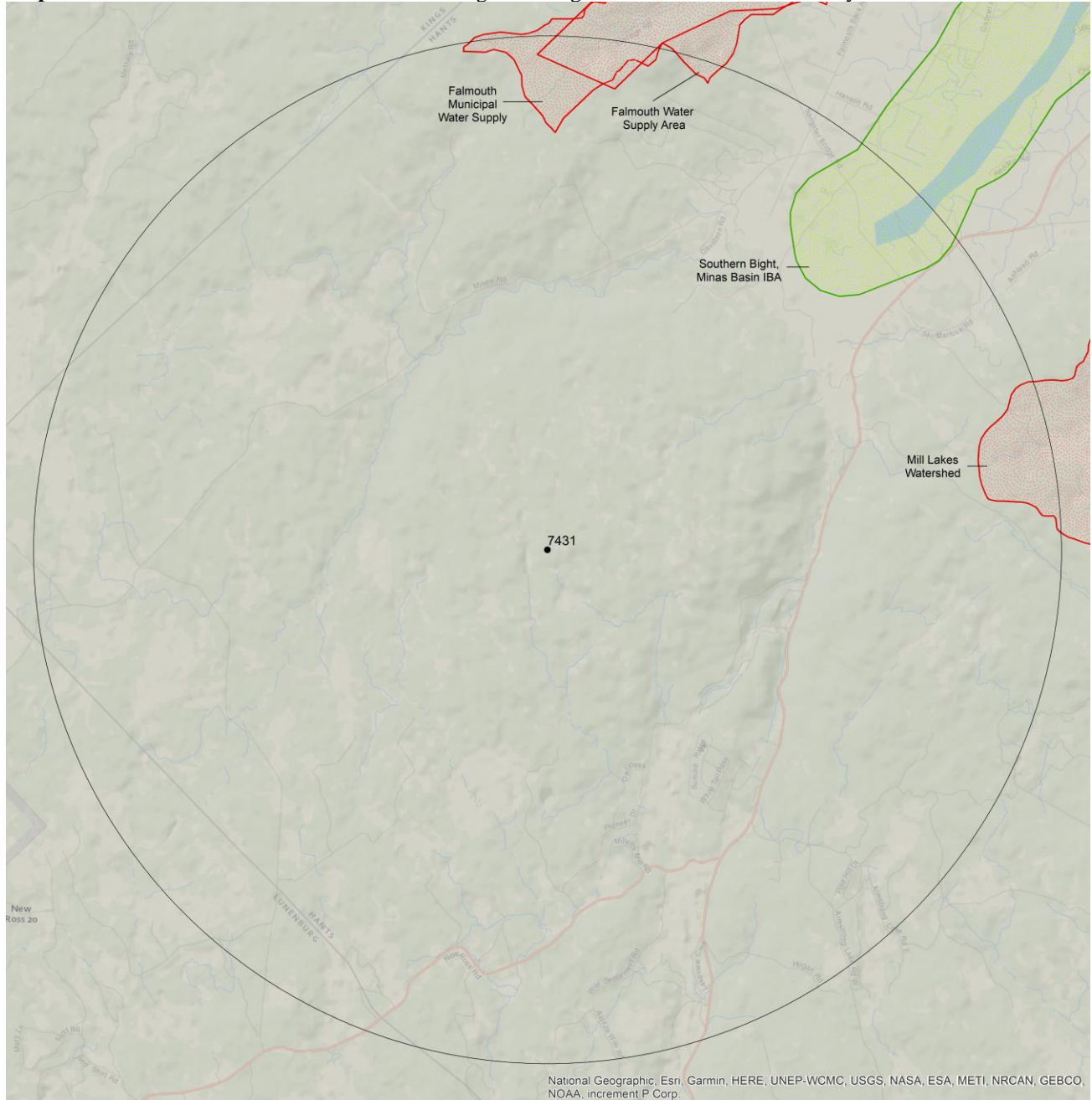
#### 3.1 MANAGED AREAS

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

#### 3.2 SIGNIFICANT AREAS

The GIS scan identified one biologically significant site 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	1	5.3 $\pm$ 0.0
N	<i>Imbricium muehlenbeckii</i>	Muehlenbeck's Bryum Moss				S1?	2	3.9 $\pm$ 0.0
N	<i>Phylliscum demangeonii</i>	Black Rock-wafer Lichen				S2?	1	5.2 $\pm$ 0.0
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	1	5.1 $\pm$ 2.0
N	<i>Cladonia mateocyatha</i>	Mixed-up Pixie-cup				S2S3	1	4.0 $\pm$ 6.0
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	1	5.3 $\pm$ 0.0
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S2S3	1	7.7 $\pm$ 4.0
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	2	5.3 $\pm$ 0.0
N	<i>Fuscopannaria ahlneri</i>	Corrugated Shingles Lichen				S3	1	5.3 $\pm$ 0.0
N	<i>Drummondia prorepens</i>	a Moss				S3?	1	8.6 $\pm$ 5.0
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	1	9.3 $\pm$ 0.0
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	3	5.1 $\pm$ 0.0
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	1	4.5 $\pm$ 2.0
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	1	6.5 $\pm$ 1.0
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	1	3.9 $\pm$ 0.0
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	1	4.2 $\pm$ 0.0
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	1	6.4 $\pm$ 7.0
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	1	7.7 $\pm$ 1.0
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	1	5.3 $\pm$ 10.0
P	<i>Botrychium matricariifolium</i>	Daisy-leaved Moonwort				S3S4	1	9.0 $\pm$ 10.0

### 4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	3	6.4 $\pm$ 7.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	126	5.0 $\pm$ 0.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	6	5.3 $\pm$ 7.0
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	16	6.4 $\pm$ 7.0
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	13	5.2 $\pm$ 0.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Threatened	Threatened	S3B	9	5.2 $\pm$ 0.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B	37	4.5 $\pm$ 0.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	9	6.4 $\pm$ 7.0
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	43	4.6 $\pm$ 0.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	45	4.3 $\pm$ 0.0
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	2	5.7 $\pm$ 0.0
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	3	5.3 $\pm$ 7.0
A	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	1	6.4 $\pm$ 7.0
A	<i>Alces alces americana</i>	Moose			Endangered	S1	1	1.8 $\pm$ 0.0
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	1	8.2 $\pm$ 7.0
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	4	6.4 $\pm$ 7.0
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	1	6.4 $\pm$ 7.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	2	8.2 $\pm$ 7.0
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	1	6.8 $\pm$ 0.0
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	1	6.4 $\pm$ 7.0
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	7	5.3 $\pm$ 7.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	7	5.3 ± 7.0
A	<i>Spinus pinus</i>	Pine Siskin				S3	7	5.2 ± 0.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B	6	5.3 ± 7.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	4	5.3 ± 7.0
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	5	5.3 ± 7.0
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	5	5.3 ± 7.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	9	5.3 ± 7.0
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	3	5.3 ± 7.0
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	4	4.6 ± 0.0
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	1	9.0 ± 7.0
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	7	5.2 ± 0.0
A	<i>Actitis macularia</i>	Spotted Sandpiper				S3S4B,S5M	11	5.3 ± 7.0
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	5	6.8 ± 0.0
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	2	4.0 ± 0.0
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	2	6.4 ± 7.0
I	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	2	6.3 ± 3.0

### 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	Vulnerable	No
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	No
<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius pop.	Special Concern	Vulnerable	No
<b>Bat hibernaculum or bat species occurrence</b>		<b>[Endangered]¹</b>	<b>[Endangered]¹</b>	<b>YES</b>

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
126	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
123	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, <a href="https://doi.org/10.5066/P9J6QUF6">https://doi.org/10.5066/P9J6QUF6</a>
92	SwiftWatch. 2022. Total Chimney Swift counts from roost watches for the duration of the SwiftWatch program (2011-2021). Birds Canada.
38	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
16	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
8	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
5	Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
4	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
3	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
3	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
2	Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.
2	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
2	Nova Scotia Dept Natural Resources, Forestry Branch. 2007. Restricted & Limited Use Land Database (RLUL). , <a href="http://www.gov.ns.ca/natr/FORESTRY/r lul/downloadr lul.htm">http://www.gov.ns.ca/natr/FORESTRY/r lul/downloadr lul.htm</a> .

# recs	CITATION
2	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
1	Amirault, D.L. 1995. Atlantic Canada Conservation Area Database (ARCAD). Canadian Wildlife Service, Sackville.
1	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
1	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
1	Bird Studies Canada. 2020. Important Bird and Biodiversity Areas in Canada database (Retrieved: 28 July, 2020 from <a href="https://www.ibacanada.com/explore.jsp?lang=EN">https://www.ibacanada.com/explore.jsp?lang=EN</a> ). IBA Program.
1	Brazner, J. 2016. Nova Scotia Forested Wetland Bird Surveys. Nova Scotia Department of Lands and Forestry.
1	Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.
1	Hubley, Nicole. 2022. Monarch ( <i>Danaus plexippus</i> ) records submitted to MTRI from the 2021 field season. Mersey Tobetic Research Institute.
1	Mersey Tobetic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobetic Research Institute, 72 records.
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	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobetic Research Institute.
1	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: <a href="http://luxor.acadiau.ca/library/Herbarium/project/">http://luxor.acadiau.ca/library/Herbarium/project/</a> . 582 recs.
1	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.
1	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.

## 5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 65209 records of 152 vertebrate and 1997 records of 72 invertebrate fauna; 15825 records of 314 vascular and 3241 records of 224 nonvascular flora (attached: \*ob100km.xls).

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

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Coregonus huntsmani</i>	Atlantic Whitefish	Endangered	Endangered	Endangered	S1	147	41.8 $\pm$ 1.0	NS
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	694	9.2 $\pm$ 0.0	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	84	17.8 $\pm$ 0.0	NS
A	<i>Perimyotis subflavus</i>	Tricolored Bat	Endangered	Endangered	Endangered	S1	200	17.8 $\pm$ 0.0	NS
A	<i>Emydoidea blandingii</i>	Blanding's Turtle	Endangered	Endangered	Endangered	S1	10054	52.3 $\pm$ 0.0	NS
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	46	14.4 $\pm$ 0.0	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	24	23.6 $\pm$ 0.0	NS
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	1060	46.8 $\pm$ 0.0	NS
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	62	40.6 $\pm$ 0.0	NS
A	<i>Dermochelys coriacea pop. 2</i>	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	3	34.4 $\pm$ 5.0	NS
A	<i>Morone saxatilis pop. 2</i>	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	5	20.1 $\pm$ 1.0	NS
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Threatened	Threatened	Threatened	S1?B	16	15.9 $\pm$ 7.0	NS
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	5	69.1 $\pm$ 7.0	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	19	23.4 $\pm$ 7.0	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	1727	15.2 $\pm$ 5.0	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1993	6.4 $\pm$ 7.0	NS
A	<i>Thamnophis saurita</i>	Eastern Ribbonsnake	Threatened	Threatened	Threatened	S2S3	2034	57.2 $\pm$ 0.0	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	1520	5.0 $\pm$ 0.0	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	162	16.3 $\pm$ 0.0	NS
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened			S2S3N	7	20.1 $\pm$ 0.0	NS
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	23	42.1 $\pm$ 0.0	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	1228	16.3 $\pm$ 0.0	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	253	19.8 $\pm$ 0.0	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	6	23.7 $\pm$ 7.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Ixobrychus exilis</i>	Least Bittern	Threatened	Threatened		SUB	6	97.4 ± 0.0	NB
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	45	13.7 ± 7.0	NS
A	<i>Salmo salar pop. 12</i>	Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population	Special Concern			S1	5	87.5 ± 0.0	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	4	71.5 ± 0.0	NS
A	<i>Bucephala islandica</i>	Barrow's Goldeneye	Special Concern	Special Concern		S1N,SUM	3	22.9 ± 2.0	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	306	5.3 ± 7.0	NS
A	<i>Balaenoptera physalus</i>	Fin Whale	Special Concern	Special Concern		S2S3	2	57.7 ± 0.0	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	11	70.6 ± 0.0	NS
A	<i>Histrionicus histrionicus pop. 1</i>	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2S3N,SUM	38	51.1 ± 0.0	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	525	10.3 ± 0.0	NS
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1509	6.4 ± 7.0	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	1078	5.2 ± 0.0	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Threatened	Threatened	S3B	547	5.2 ± 0.0	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B	1053	4.5 ± 0.0	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1685	6.4 ± 7.0	NS
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	912	4.6 ± 0.0	NS
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern		S3N,SUM	11	34.8 ± 0.0	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	1439	4.3 ± 0.0	NS
A	<i>Phocoena phocoena</i>	Harbour Porpoise	Special Concern			S4	7	24.9 ± 1.0	NS
A	<i>Chrysemys picta</i>	Painted Turtle	Special Concern	Special Concern		S4	2	66.0 ± 0.0	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	746	5.7 ± 0.0	NS
A	<i>Anarhichas lupus</i>	Atlantic Wolffish	Special Concern	Special Concern	Special Concern	SNR	1	66.6 ± 0.0	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	4	47.2 ± 0.0	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	22	49.6 ± 0.0	NS
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S1B	6	95.9 ± 0.0	NB
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk	Special Concern	Vulnerable	S1B,SUM	274	14.2 ± 7.0	NS
A	<i>Sorex dispar</i>	Long-tailed Shrew	Not At Risk			S2	2	38.3 ± 0.0	NS
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S2?B,SUM	4	64.7 ± 7.0	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	7	70.1 ± 1.0	NS
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	1	73.3 ± 0.0	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	47	18.0 ± 0.0	NS
A	<i>Megaptera novaeangliae</i>	Humpback Whale	Not At Risk			S3	3	35.2 ± 0.0	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	233	30.8 ± 7.0	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	119	19.3 ± 7.0	NS
A	<i>Buteo lagopus</i>	Rough-legged Hawk	Not At Risk			S3N	6	72.9 ± 0.0	NS
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	151	5.3 ± 7.0	NS
A	<i>Glaucomys volans</i>	Southern Flying Squirrel	Not At Risk			S3S4	10	11.7 ± 0.0	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	5	36.9 ± 0.0	NS
A	<i>Ammospiza nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	204	6.4 ± 7.0	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies - Tierra del Fuego / Patagonia wintering population	E,SC	Endangered	Endangered	S2M	973	16.3 ± 0.0	NS
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S2S3B,S2S3N	9	16.3 ± 0.0	NS
A	<i>Gadus morhua</i>	Atlantic Cod	E,SC,DD			SNR	2	52.8 ± 0.0	NS
A	<i>Odobenus rosmarus pop. 5</i>	Atlantic Walrus - Nova Scotia - Newfoundland - Gulf of St Lawrence population	X			SX	1	99.7 ± 5.0	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	40	1.8 ± 0.0	NS
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S1?	2	96.5 ± 11.0	NB
A	<i>Uria aalge</i>	Common Murre				S1?B	1	76.7 ± 0.0	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	43	8.2 ± 7.0	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	9	68.6 ± 0.0	NS



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Gallinula galeata</i>	Common Gallinule				S1B	15	14.6 ± 7.0	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	43	13.7 ± 7.0	NS
A	<i>Cistothorus palustris</i>	Marsh Wren				S1B	14	67.1 ± 7.0	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	65	14.2 ± 7.0	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	25	27.1 ± 7.0	NS
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	2583	15.8 ± 0.0	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	1959	15.8 ± 0.0	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	50	17.9 ± 7.0	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	22	21.9 ± 0.0	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	420	6.7 ± 0.0	NS
A	<i>Poocetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	65	23.7 ± 7.0	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	79	49.4 ± 0.0	NS
A	<i>Alca torda</i>	Razorbill				S2B	17	59.1 ± 7.0	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	22	51.0 ± 0.0	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	69	19.9 ± 0.0	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	241	6.4 ± 7.0	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	116	16.3 ± 0.0	NS
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	142	14.6 ± 7.0	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	57	6.4 ± 7.0	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	2284	15.8 ± 0.0	NS
A	<i>Martes americana</i>	American Marten			Endangered	S2S3	16	74.3 ± 0.0	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	27	23.4 ± 7.0	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	62	25.3 ± 7.0	NS
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	9	59.1 ± 7.0	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	351	8.2 ± 7.0	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	39	6.8 ± 0.0	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	132	20.5 ± 0.0	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	38	22.1 ± 0.0	NS
A	<i>Bucephala clangula</i>	Common Goldeneye				S2S3B,S5N,S5M	128	20.7 ± 11.0	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	103	6.4 ± 7.0	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	326	15.8 ± 0.0	NS
A	<i>Numenius phaeopus hudsonicus</i>	Whimbrel				S2S3M	363	24.6 ± 0.0	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	6	72.6 ± 0.0	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	564	5.3 ± 7.0	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	504	5.3 ± 7.0	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	589	5.2 ± 0.0	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	67	11.8 ± 0.0	NS
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	1	75.2 ± 0.0	NS
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	1	89.5 ± 0.0	NS
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3	9	38.3 ± 0.0	NS
A	<i>Pekania pennanti</i>	Fisher				S3	12	13.1 ± 0.0	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	3	58.5 ± 0.0	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	230	14.2 ± 7.0	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	775	5.3 ± 7.0	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	1676	15.6 ± 0.0	NS
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	53	37.3 ± 7.0	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	72	19.7 ± 0.0	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	335	5.3 ± 7.0	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	566	5.3 ± 7.0	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	18	20.0 ± 0.0	NS
A	<i>Somateria mollissima</i>	Common Eider				S3B,S3M,S3N	521	24.1 ± 0.0	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	2507	15.6 ± 0.0	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	345	5.3 ± 7.0	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	754	5.3 ± 7.0	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	109	12.8 ± 0.0	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	111	17.9 ± 7.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	138	12.9 ± 0.0	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	159	13.7 ± 7.0	NS
A	<i>Branta bernicla</i>	Brant				S3M	13	23.3 ± 0.0	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	2753	15.8 ± 0.0	NS
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	1022	16.3 ± 0.0	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	2526	15.8 ± 0.0	NS
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	418	16.3 ± 0.0	NS
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	1767	15.8 ± 0.0	NS
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	7	69.7 ± 0.0	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	126	5.3 ± 7.0	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	278	4.6 ± 0.0	NS
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	395	9.0 ± 7.0	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	443	5.2 ± 0.0	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	984	5.3 ± 7.0	NS
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	413	6.8 ± 0.0	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	86	23.3 ± 0.0	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3S4B,S5M,S5N	150	20.4 ± 7.0	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	235	19.3 ± 10.0	NS
A	<i>Lanius borealis</i>	Northern Shrike				S3S4N	35	60.4 ± 0.0	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	28	46.9 ± 0.0	NS
A	<i>Aythya americana</i>	Redhead				SHB	2	62.0 ± 0.0	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	10	34.9 ± 0.0	NS
A	<i>Progne subis</i>	Purple Martin				SHB	8	54.9 ± 7.0	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	18	25.4 ± 0.0	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	32	25.7 ± 5.0	NS
I	<i>Epeoloides pilosulus</i>	Macropis Cuckoo Bee	Endangered	Endangered	Endangered	S1	2	62.8 ± 5.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	723	4.0 ± 0.0	NS
I	<i>Danaus plexippus plexippus</i>	Monarch	Endangered	Special Concern		S2?B,S3M	2	21.7 ± 0.0	NS
I	<i>Barnea truncata</i>	Atlantic Mud-piddock	Threatened	Threatened		S1	1	68.2 ± 1.0	NS
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SH	2	70.1 ± 5.0	NS
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	6	55.6 ± 0.0	NS
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	154	11.0 ± 5.0	NS
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern		Endangered	SH	4	14.2 ± 2.0	NS
I	<i>Gomphurus ventricosus</i>	Skillet Clubtail	Special Concern	Endangered		SH	2	32.2 ± 1.0	NS
I	<i>Cicindela formosa</i>	Big Sand Tiger Beetle				S1	1	24.7 ± 1.0	NS
I	<i>Erora laeta</i>	Early Hairstreak				S1	1	57.6 ± 1.0	NS
I	<i>Ophiogomphus anomalus</i>	Extra-Striped Snaketail				S1	8	84.1 ± 0.0	NS
I	<i>Pachydiplax longipennis</i>	Blue Dasher				S1	4	58.9 ± 0.0	NS
I	<i>Atlanticoncha ochracea</i>	Tidewater Mucket				S1	11	69.0 ± 1.0	NS
I	<i>Polygonia comma</i>	Eastern Comma				S1?	20	18.5 ± 0.0	NS
I	<i>Polygonia satyrus</i>	Satyr Comma				S1?	7	14.9 ± 2.0	NS
I	<i>Boloria chariclea</i>	Arctic Fritillary				S1S2	2	54.7 ± 2.0	NS
I	<i>Somatochlora brevicincta</i>	Quebec Emerald				S1S2	2	78.2 ± 0.0	NS
I	<i>Satyrrium acadica</i>	Acadian Hairstreak				S2	5	76.6 ± 2.0	NS
I	<i>Coenagrion resolutum</i>	Taiga Bluet				S2	9	54.3 ± 1.0	NS
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	97	54.3 ± 0.0	NS
I	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	9	61.7 ± 1.0	NS
I	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S2S3	22	34.8 ± 2.0	NS
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	21	32.2 ± 1.0	NS
I	<i>Aglais milberti milberti</i>	Milbert's Tortoise Shell				S2S3	1	97.9 ± 0.0	NB
I	<i>Somatochlora kennedyi</i>	Kennedy's Emerald				S2S3	8	32.2 ± 1.0	NS
I	<i>Somatochlora williamsoni</i>	Williamson's Emerald				S2S3	2	94.2 ± 0.0	NB
I	<i>Williamsonia fletcheri</i>	Ebony Boghaunter				S2S3	4	84.0 ± 0.0	NS
I	<i>Enallagma geminatum</i>	Skimming Bluet				S2S3	4	53.7 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	<i>Stylurus scudderi</i>	Zebra Clubtail				S2S3	28	31.6 ± 0.0	NS
I	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	31	39.9 ± 1.0	NS
I	<i>Strophiona nitens</i>	Chestnut Bark Long-horned Beetle				S3	2	49.4 ± 0.0	NS
I	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	3	50.9 ± 0.0	NS
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	26	23.1 ± 0.0	NS
I	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	10	36.6 ± 0.0	NS
I	<i>Myzia pullata</i>	Streaked Lady Beetle				S3	1	94.5 ± 0.0	NB
I	<i>Trachysida aspera</i>	Rough Flower Longhorn Beetle				S3	2	60.5 ± 0.0	NS
I	<i>Dicerca tenebrosa</i>	Dark Jewel Beetle				S3	2	75.0 ± 0.0	NS
I	<i>Astylopsis sexguttata</i>	Six-speckled Long-horned Beetle				S3	1	52.6 ± 0.0	NS
I	<i>Satyrrium calanus</i>	Banded Hairstreak				S3	67	22.9 ± 0.0	NS
I	<i>Callophrys lanoraieensis</i>	Bog Elfin				S3	19	12.6 ± 0.0	NS
I	<i>Strymon melinus</i>	Gray Hairstreak				S3	16	12.6 ± 0.0	NS
I	<i>Phanogomphus descriptus</i>	Harpoon Clubtail				S3	3	95.4 ± 0.0	NS
I	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	6	21.5 ± 0.0	NS
I	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	11	57.9 ± 0.0	NS
I	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S3	32	21.5 ± 0.0	NS
I	<i>Epithea princeps</i>	Prince Baskettail				S3	23	46.2 ± 1.0	NS
I	<i>Somatochlora forcipata</i>	Forcinate Emerald				S3	8	36.7 ± 1.0	NS
I	<i>Enallagma vernale</i>	Vernal Bluet				S3	5	28.9 ± 1.0	NS
I	<i>Strophitus undulatus</i>	Creeper				S3	6	96.0 ± 0.0	NS
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	206	15.7 ± 0.0	NS
I	<i>Cecropterus pylades</i>	Northern Cloudywing				S3S4	5	78.7 ± 2.0	NS
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	25	6.4 ± 7.0	NS
I	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	27	6.3 ± 3.0	NS
I	<i>Argynnis aphrodite</i>	Aphrodite Fritillary				S3S4	49	17.5 ± 1.0	NS
I	<i>Polygonia faunus</i>	Green Comma				S3S4	19	35.2 ± 2.0	NS
I	<i>Oeneis jutta</i>	Jutta Arctic				S3S4	23	32.3 ± 2.0	NS
I	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	29	47.2 ± 1.0	NS
I	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	28	20.3 ± 1.0	NS
I	<i>Boyeria grafiana</i>	Ocellated Darner				S3S4	16	27.0 ± 1.0	NS
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	34	20.3 ± 0.0	NS
I	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	5	32.2 ± 1.0	NS
I	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	3	48.5 ± 0.0	NS
I	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	32	13.2 ± 0.0	NS
I	<i>Sympetrum danae</i>	Black Meadowhawk				S3S4	1	90.7 ± 0.0	NS
I	<i>Enallagma vesperum</i>	Vesper Bluet				S3S4	17	46.2 ± 1.0	NS
I	<i>Amphiagrion saucium</i>	Eastern Red Damsel				S3S4	3	93.1 ± 1.0	NS
I	<i>Sphaerophoria pyrrhina</i>	Violaceous Globetail				SH	1	94.1 ± 5.0	NS
I	<i>Icaricia saepiolus</i>	Greenish Blue				SH	1	57.6 ± 2.0	NS
I	<i>Chlosyne nycteis</i>	Silvery Checkerspot				SH	4	96.3 ± 2.0	NS
I	<i>Polygonia gracilis</i>	Hoary Comma				SH	1	95.1 ± 2.0	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	10	42.3 ± 0.0	NS
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	62	31.0 ± 0.0	NS
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	523	63.7 ± 3.0	NS
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	182	10.7 ± 0.0	NS
N	<i>Pannaria lurida</i> ssp. <i>russellii</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	1	93.5 ± 0.0	NS
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	104	5.3 ± 0.0	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	32	25.7 ± 6.0	NS
N	<i>Pectenia plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	125	21.2 ± 0.0	NS
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	16	21.9 ± 0.0	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	27	40.3 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	15	17.5 ± 0.0	NS
N	<i>Aloina brevirostris</i>	Short-Beaked Rigid Screw Moss				S1	1	20.5 ± 2.0	NS
N	<i>Orthotrichum pallens</i>	Pale Bristle Moss				S1	1	93.0 ± 0.0	NS
N	<i>Sematophyllum demissum</i>	a Moss				S1	2	51.8 ± 1.0	NS
N	<i>Tetradontium brownianum</i>	Little Georgia				S1	6	93.1 ± 0.0	NB
N	<i>Cyrto-hypnum minutulum</i>	Tiny Cedar Moss				S1	1	93.1 ± 0.0	NS
N	<i>Blennothallia crispa</i>	Crinkled Jelly Lichen				S1	1	39.2 ± 0.0	NS
N	<i>Umbilicaria vellea</i>	Grizzled Rocktripe Lichen				S1	2	39.1 ± 5.0	NS
N	<i>Usnea perplexans</i>	Powdered Beard Lichen				S1	1	30.1 ± 0.0	NS
N	<i>Scytinium dactylinum</i>	Brown-buttoned Jellyskin Lichen				S1	2	40.7 ± 0.0	NS
N	<i>Flavoparmelia baltimorensis</i>	Rock Greenshield Lichen				S1	1	97.3 ± 0.0	NS
N	<i>Lathagrium cristatum</i>	Fingered Jelly Lichen				S1	6	20.6 ± 0.0	NS
N	<i>Ephebe hispidula</i>	Dryside Rockshag Lichen				S1	1	72.8 ± 0.0	NS
N	<i>Ephebe perspinulosa</i>	Thread Lichen				S1	2	40.5 ± 1.0	NS
N	<i>Fuscopannaria praetermissa</i>	Moss Shingles Lichen				S1	1	16.0 ± 0.0	NS
N	<i>Scytinium schraderi</i>	Wrinkled Jellyskin Lichen				S1	1	70.5 ± 0.0	NS
N	<i>Lichina confinis</i>	Marine Seaweed Lichen				S1	2	73.7 ± 1.0	NS
N	<i>Parmotrema perforatum</i>	Perforated Ruffle Lichen				S1	42	81.6 ± 0.0	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns				S1	5	56.5 ± 0.0	NS
N	<i>Pseudevernia consocians</i>	Woollybear Lichen				S1	1	63.4 ± 0.0	NS
N	<i>Spilonema revertens</i>	Common Antler Lichen				S1	4	79.4 ± 0.0	NS
N	<i>Sticta limbata</i>	Rock Hairball Lichen				S1	12	36.5 ± 0.0	NS
N	<i>Lathagrium fuscovirens</i>	Powdered Moon Lichen				S1	1	76.1 ± 0.0	NS
N	<i>Dermatocarpon miniatum</i>	Crumpled Rock Tarpaper Lichen				S1	1	76.1 ± 0.0	NS
N	<i>Dermatocarpon miniatum</i>	Common Stippleback Lichen				S1	1	93.3 ± 1.0	NB
N	<i>Peltigera lepidophora</i>	Scaly Pelt Lichen				S1	5	17.1 ± 0.0	NS
N	<i>Bryoria nitidula</i>	Tundra Horsehair Lichen				S1	2	73.5 ± 0.0	NS
N	<i>Hypogymnia hultenii</i>	Powdered Honeycomb Lichen				S1	7	49.1 ± 0.0	NS
N	<i>Calypogeia neogaea</i>	Common Pouchwort				S1?	1	45.9 ± 0.0	NS
N	<i>Aloina rigida</i>	Aloe-Like Rigid Screw Moss				S1?	5	19.4 ± 0.0	NS
N	<i>Imbricium muehlenbeckii</i>	Muehlenbeck's Bryum Moss				S1?	2	3.9 ± 0.0	NS
N	<i>Conardia compacta</i>	Coast Creeping Moss				S1?	2	52.5 ± 2.0	NS
N	<i>Tortula obtusifolia</i>	a Moss				S1?	2	94.2 ± 1.0	NS
N	<i>Didymodon tophaceus</i>	Olive Beard Moss				S1?	1	39.1 ± 0.0	NS
N	<i>Grimmia anodon</i>	Toothless Grimmiid Moss				S1?	2	95.3 ± 3.0	NS
N	<i>Homomallium adnatum</i>	Adnate Hairy-gray Moss				S1?	1	95.9 ± 5.0	NS
N	<i>Paludella squarrosa</i>	Tufted Fen Moss				S1?	3	27.5 ± 0.0	NS
N	<i>Physcomitrium immersum</i>	a Moss				S1?	1	30.4 ± 0.0	NS
N	<i>Schistostega pennata</i>	Luminous Moss				S1?	1	35.6 ± 0.0	NS
N	<i>Timmia norvegica</i>	a moss				S1?	2	92.8 ± 0.0	NB
N	<i>Trichodon cylindricus</i>	Cylindric Hairy-teeth Moss				S1?	1	49.1 ± 3.0	NS
N	<i>Plagiomnium ellipticum</i>	Marsh Leafy Moss				S1?	1	54.9 ± 0.0	NS
N	<i>Syntrichia ruralis</i>	a Moss				S1?	1	56.7 ± 0.0	NS
N	<i>Euopsis granatina</i>	Lesser Rockbud Lichen				S1?	1	75.6 ± 1.0	NS
N	<i>Melanelia culbersonii</i>	Appalachian Camouflage Lichen				S1?	1	40.7 ± 0.0	NS
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen				S1?	1	99.4 ± 1.0	NB
N	<i>Porella pinnata</i>	Pinnate Scalewort				S1S2	1	79.6 ± 0.0	NS
N	<i>Arrhenopterum heterostichum</i>	One-sided Groove Moss				S1S2	3	20.5 ± 2.0	NS
N	<i>Brachythecium turgidum</i>	Thick Ragged Moss				S1S2	3	49.1 ± 3.0	NS
N	<i>Dicranoweisia crispula</i>	Mountain Thatch Moss				S1S2	1	96.7 ± 0.0	NB
N	<i>Didymodon rigidulus</i>	Rigid Screw Moss				S1S2	10	90.1 ± 0.0	NS
N	<i>Didymodon ferrugineus</i>	Rusty Beard Moss				S1S2	1	93.0 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Hypnum pratense</i>	Meadow Plait Moss				S1S2	1	33.9 ± 3.0	NS
N	<i>Mnium thomsonii</i>	Thomson's Leafy Moss				S1S2	1	17.6 ± 2.0	NS
N	<i>Tortula acaulon</i>	Cuspidate Earth Moss				S1S2	1	35.5 ± 2.0	NS
N	<i>Plagiothecium latebricola</i>	Alder Silk Moss				S1S2	3	36.9 ± 5.0	NS
N	<i>Platydictya confervoides</i>	a Moss				S1S2	1	17.1 ± 0.0	NS
N	<i>Seligeria donniana</i>	Donian Beardless Moss				S1S2	1	99.2 ± 3.0	NS
N	<i>Sematophyllum marylandicum</i>	a Moss				S1S2	3	53.0 ± 3.0	NS
N	<i>Timmia megapolitana</i>	Metropolitan Timmia Moss				S1S2	3	57.7 ± 1.0	NS
N	<i>Tortula mucronifolia</i>	Mucronate Screw Moss				S1S2	2	42.9 ± 3.0	NS
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	2	74.9 ± 0.0	NS
N	<i>Haplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1S2	2	77.1 ± 5.0	NS
N	<i>Enchylium bachmanianum</i>	Bachman's Jelly Lichen				S1S2	1	20.6 ± 0.0	NS
N	<i>Peltigera ponojensis</i>	Pale-bellied Pelt Lichen				S1S2	2	93.8 ± 1.0	NB
N	<i>Pilophorus cereolus</i>	Powdered Matchstick Lichen				S1S2	1	65.6 ± 3.0	NS
N	<i>Rhizoplaca subdiscrepans</i>	Scattered Rock-posy Lichen				S1S2	1	41.7 ± 1.0	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	9	48.8 ± 0.0	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	2	49.2 ± 0.0	NS
N	<i>Umbilicaria polyrhiza</i>	Ballpoint Rocktripe Lichen				S1S3	1	78.5 ± 0.0	NS
N	<i>Lecanora polytropa</i>	a lichen				S1S3	8	69.6 ± 1.0	NS
N	<i>Heterodermia galactophylla</i>	Branching Fringe Lichen				S1S3	1	42.3 ± 0.0	NS
N	<i>Xylopsora friesii</i>	a Lichen				S1S3	3	61.1 ± 0.0	NS
N	<i>Peltigera neckeri</i>	Black-saddle Pelt Lichen				S1S3	1	97.3 ± 0.0	NS
N	<i>Usnea chaetophora</i>	Articulated Beard Lichen				S1S3	1	70.1 ± 0.0	NS
N	<i>Stereocaulon grande</i>	Grand Foam Lichen				S1S3	1	89.3 ± 0.0	NS
N	<i>Stereocaulon intermedium</i>	Pacific Brain Foam Lichen				S1S3	8	49.9 ± 0.0	NS
N	<i>Anacamptodon splachnoides</i>	a Moss				S2	3	59.1 ± 30.0	NS
N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S2	3	56.0 ± 3.0	NS
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2	4	98.8 ± 0.0	NS
N	<i>Usnea flavocardia</i>	Blood-splattered Beard Lichen				S2	1	48.2 ± 4.0	NS
N	<i>Cystocoleus ebeneus</i>	Rockgossamer Lichen				S2	4	50.7 ± 0.0	NS
N	<i>Hypotrachyna catawbiensis</i>	Powder-tipped Antler Lichen				S2	20	40.8 ± 0.0	NS
N	<i>Scytinium imbricatum</i>	Scaly Jellyskin Lichen				S2	2	73.4 ± 0.0	NS
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2	2	67.0 ± 0.0	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	12	19.4 ± 0.0	NS
N	<i>Placynthium flabellousum</i>	Scaly Ink Lichen				S2	2	56.5 ± 0.0	NS
N	<i>Riccardia multifida</i>	Delicate Germanderwort				S2?	1	99.5 ± 0.0	NS
N	<i>Weissia muhlenbergiana</i>	a Moss				S2?	5	15.6 ± 5.0	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	7	73.3 ± 5.0	NS
N	<i>Ptychostomum pendulum</i>	Drooping Bryum				S2?	1	20.5 ± 2.0	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	4	39.2 ± 0.0	NS
N	<i>Pseudocampyllum radicale</i>	Long-stalked Fine Wet Moss				S2?	3	33.9 ± 3.0	NS
N	<i>Climacium americanum</i>	American Tree Moss				S2?	9	90.1 ± 0.0	NS
N	<i>Dicranum condensatum</i>	Condensed Broom Moss				S2?	5	33.9 ± 3.0	NS
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	6	50.9 ± 1.0	NS
N	<i>Fissidens bushii</i>	Bush's Pocket Moss				S2?	5	64.5 ± 0.0	NS
N	<i>Fontinalis hypnoides</i>	a moss				S2?	1	93.5 ± 0.0	NS
N	<i>Fontinalis sullivantii</i>	Sullivant's Water Moss				S2?	3	84.9 ± 0.0	NS
N	<i>Grimmia olneyi</i>	a Moss				S2?	10	90.0 ± 0.0	NS
N	<i>Grimmia anomala</i>	Mountain Forest Grimmia				S2?	1	37.0 ± 1.0	NS
N	<i>Hygrohypnum bestii</i>	Best's Brook Moss				S2?	2	65.5 ± 0.0	NS
N	<i>Kiaeria starkei</i>	Starke's Fork Moss				S2?	1	96.1 ± 10.0	NS
N	<i>Orthotrichum anomalum</i>	Anomalous Bristle Moss				S2?	5	11.5 ± 2.0	NS
N	<i>Philonotis marchica</i>	a Moss				S2?	1	90.1 ± 0.0	NS
N	<i>Physcomitrium</i>	a Moss				S2?	1	49.1 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	<i>collenchymatum</i>								
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2?	3	73.5 ± 0.0	NS
N	<i>Rhytidium rugosum</i>	Wrinkle-leaved Moss				S2?	1	92.8 ± 1.0	NB
N	<i>Saelania glaucescens</i>	Blue Dew Moss				S2?	2	96.7 ± 0.0	NB
N	<i>Tortella fragilis</i>	Fragile Twisted Moss				S2?	1	92.8 ± 0.0	NB
N	<i>Anomobryum julaceum</i>	Slender Silver Moss				S2?	3	92.9 ± 1.0	NB
N	<i>Rauielea scita</i>	Smaller Fern Moss				S2?	16	90.1 ± 0.0	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	3	60.4 ± 5.0	NS
N	<i>Platylomella lescurii</i>	a Moss				S2?	9	29.9 ± 1.0	NS
N	<i>Phylliscum demangeonii</i>	Black Rock-wafer Lichen				S2?	5	5.2 ± 0.0	NS
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S2S3	7	20.5 ± 0.0	NS
N	<i>Platydictya subtilis</i>	Bark Willow Moss				S2S3	4	50.2 ± 0.0	NS
N	<i>Plagiomnium rostratum</i>	Long-beaked Leafy Moss				S2S3	8	48.2 ± 2.0	NS
N	<i>Scorpidium revolvens</i>	Limprichtia Moss				S2S3	2	27.5 ± 0.0	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	23	25.8 ± 0.0	NS
N	<i>Moelleropsis nebulosa</i> ssp. <i>frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	2	75.6 ± 0.0	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	7	71.8 ± 1.0	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	66	10.6 ± 0.0	NS
N	<i>Usnea ceratina</i>	Warty Beard Lichen				S2S3	3	59.1 ± 0.0	NS
N	<i>Usnea hirta</i>	Bristly Beard Lichen				S2S3	4	61.1 ± 0.0	NS
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	5	30.1 ± 0.0	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	22	5.1 ± 2.0	NS
N	<i>Usnocetraria oakesiana</i>	Yellow Band Lichen				S2S3	18	19.5 ± 0.0	NS
N	<i>Cladonia incrassata</i>	Powder-foot British Soldiers Lichen				S2S3	1	96.8 ± 3.0	NS
N	<i>Cladonia mateocyatha</i>	Mixed-up Pixie-cup				S2S3	4	4.0 ± 6.0	NS
N	<i>Cladonia parasitica</i>	Fence-rail Lichen				S2S3	3	42.3 ± 0.0	NS
N	<i>Chaenotheca gracilentia</i>	a lichen				S2S3	1	62.3 ± 0.0	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	7	17.1 ± 0.0	NS
N	<i>Melanohalea septentrionalis</i>	Northern Camouflage Lichen				S2S3	3	30.5 ± 0.0	NS
N	<i>Myelochroa aurulenta</i>	Powdery Axil-bristle Lichen				S2S3	7	20.5 ± 2.0	NS
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	5	5.3 ± 0.0	NS
N	<i>Hypotrachyna minarum</i>	Hairless-spined Shield Lichen				S2S3	6	61.1 ± 0.0	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	3	20.7 ± 2.0	NS
N	<i>Racodium rupestre</i>	Rockhair Lichen				S2S3	3	45.5 ± 1.0	NS
N	<i>Umbilicaria polyphylla</i>	Petalled Rocktripe Lichen				S2S3	1	20.7 ± 2.0	NS
N	<i>Usnea cavernosa</i>	Pitted Beard Lichen				S2S3	2	29.8 ± 2.0	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	30.0 ± 0.0	NS
N	<i>Fuscopannaria sorediata</i>	a Lichen				S2S3	4	42.7 ± 0.0	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	3	41.0 ± 0.0	NS
N	<i>Stereocaulon subcoralloides</i>	Coralloid Foam Lichen				S2S3	1	93.1 ± 1.0	NB
N	<i>Physcia subtilis</i>	Slender Rosette Lichen				S2S3	1	88.6 ± 0.0	NS
N	<i>Dimelaena oreina</i>	Golden Moonglow Lichen				S2S3	2	67.5 ± 0.0	NS
N	<i>Hypotrachyna revoluta</i>	Granulating Loop Lichen				S2S3	1	70.6 ± 2.0	NS
N	<i>Cetraria arenaria</i>	Sand-loving Icelandmoss Lichen				S2S3	20	50.2 ± 0.0	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup Lichen				S2S3	3	49.9 ± 0.0	NS
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S2S3	6	7.7 ± 4.0	NS
N	<i>Cladonia phyllophora</i>	Felt Lichen				S2S3	2	30.3 ± 4.0	NS
N	<i>Hypotrachyna afrorevoluta</i>	Pustulate Revolute Loop Lichen				S2S3	3	70.1 ± 1.0	NS
N	<i>Usnea flammae</i>	Coastal Bushy Beard Lichen				S2S3	2	73.7 ± 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Ephemerum serratum</i>	a Moss				S3	5	15.6 ± 5.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	8	15.6 ± 5.0	NS
N	<i>Anomodon tristis</i>	a Moss				S3	13	41.0 ± 0.0	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	4	45.2 ± 0.0	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	3	65.7 ± 0.0	NS
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3	7	38.5 ± 0.0	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	30	5.3 ± 0.0	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	16	20.4 ± 0.0	NS
N	<i>Fuscopannaria ahlneri</i>	Corrugated Shingles Lichen				S3	58	5.3 ± 0.0	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen				S3	91	46.8 ± 3.0	NS
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	35	17.1 ± 0.0	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	18	17.9 ± 0.0	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	10	41.9 ± 0.0	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	1	93.3 ± 1.0	NB
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	143	39.5 ± 0.0	NS
N	<i>Viridothelium virens</i>					S3	3	38.3 ± 0.0	NS
N	<i>Epebe lanata</i>	Waterside Rockshag Lichen				S3	3	82.2 ± 17.0	NS
N	<i>Phaeophyscia adlastola</i>	Powder-tipped Shadow Lichen				S3	19	61.3 ± 0.0	NS
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	11	19.6 ± 1.0	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	8	22.1 ± 2.0	NS
N	<i>Metzgeria conjugata</i>	Rock Veilwort				S3?	2	65.0 ± 0.0	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	3	17.1 ± 0.0	NS
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S3?	3	24.9 ± 3.0	NS
N	<i>Drummondia prorepens</i>	a Moss				S3?	5	8.6 ± 5.0	NS
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	6	15.5 ± 3.0	NS
N	<i>Mnium stellare</i>	Star Leafy Moss				S3?	3	21.6 ± 0.0	NS
N	<i>Sphagnum riparium</i>	Streamside Peat Moss				S3?	2	63.8 ± 1.0	NS
N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	7	35.6 ± 0.0	NS
N	<i>Anomodon rugelii</i>	Rugel's Anomodon Moss				S3S4	9	41.0 ± 0.0	NS
N	<i>Dichelyma capillaceum</i>	Hairlike Dichelyma Moss				S3S4	9	23.8 ± 3.0	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	54.2 ± 0.0	NS
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	3	42.9 ± 3.0	NS
N	<i>Encalypta procera</i>	Slender Extinguisher Moss				S3S4	6	92.8 ± 0.0	NB
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S3S4	3	79.4 ± 0.0	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	3	74.1 ± 0.0	NS
N	<i>Thamnobryum alleghaniense</i>	a Moss				S3S4	16	22.8 ± 4.0	NS
N	<i>Tomentophnum nitens</i>	Golden Fuzzy Fen Moss				S3S4	1	27.5 ± 0.0	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	3	37.0 ± 1.0	NS
N	<i>Hylocomiastrum pyrenaicum</i>	a Feather Moss				S3S4	5	61.2 ± 0.0	NS
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	8	20.7 ± 0.0	NS
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3S4	55	31.8 ± 0.0	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	72	43.2 ± 0.0	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	18	11.5 ± 0.0	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	31	9.3 ± 0.0	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	20	17.1 ± 0.0	NS
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	3	13.4 ± 0.0	NS
N	<i>Vahliaella leucophaea</i>	Shelter Shingle Lichen				S3S4	12	56.4 ± 0.0	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	65	11.5 ± 0.0	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	99	11.4 ± 0.0	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	8	30.1 ± 0.0	NS
N	<i>Parmeliopsis hyperopta</i>	Gray Starburst Lichen				S3S4	3	73.4 ± 0.0	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	35	48.8 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Peltigera hymenina</i>	Cloudy Pelt Lichen				S3S4	2	73.8 ± 2.0	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	7	53.0 ± 3.0	NS
N	<i>Sclerophora peronella</i>	Frosted Glass-whiskers Lichen				S3S4	1	98.2 ± 0.0	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	140	5.1 ± 0.0	NS
N	<i>Physcia caesia</i>	Blue-gray Rosette Lichen				S3S4	3	41.7 ± 0.0	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	6	57.5 ± 0.0	NS
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	168	12.0 ± 0.0	NS
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	36	4.5 ± 2.0	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	124	15.5 ± 0.0	NS
P	<i>Rhynchospora macrostachya</i>	Tall Beakrush	Endangered	Endangered	Endangered	S1	57	71.8 ± 0.0	NS
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Endangered	Threatened	Vulnerable	S2	174	66.7 ± 0.0	NS
P	<i>Fraxinus nigra</i>	Black Ash	Threatened		Threatened	S1S2	443	16.7 ± 0.0	NS
P	<i>Hydrocotyle umbellata</i>	Water Pennywort	Special Concern	Special Concern	Endangered	S2	71	93.3 ± 0.0	NS
P	<i>Eleocharis tuberculosa</i>	Tuberclad Spike-rush	Special Concern	Special Concern	Vulnerable	S2	1	95.1 ± 0.0	NS
P	<i>Lachnanthes caroliniana</i>	Redroot	Special Concern	Special Concern	Vulnerable	S2	1472	71.2 ± 0.0	NS
P	<i>Lophiola aurea</i>	Goldencrest	Special Concern	Special Concern	Vulnerable	S2	788	61.9 ± 0.0	NS
P	<i>Lilaeopsis chinensis</i>	Eastern Lilaeopsis	Special Concern	Special Concern	Vulnerable	S3	150	60.1 ± 0.0	NS
P	<i>Scirpus longii</i>	Long's Bulrush	Special Concern		Vulnerable	S3	498	61.8 ± 0.0	NS
P	<i>Isoetes prototypus</i>	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S3	17	72.5 ± 0.0	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2S3	36	31.3 ± 0.0	NS
P	<i>Acer saccharinum</i>	Silver Maple				S1	11	28.8 ± 0.0	NS
P	<i>Toxicodendron vernix</i>	Poison Sumac				S1	41	89.3 ± 0.0	NS
P	<i>Osmorhiza depauperata</i>	Blunt Sweet Cicely				S1	1	22.7 ± 5.0	NS
P	<i>Antennaria rosea ssp. arida</i>	Rosy Pussytoes				S1	1	59.1 ± 0.0	NS
P	<i>Andersonglossum boreale</i>	Northern Wild Comfrey				S1	5	20.9 ± 1.0	NS
P	<i>Turritis glabra</i>	Tower Mustard				S1	2	31.4 ± 0.0	NS
P	<i>Lobelia spicata</i>	Pale-Spiked Lobelia				S1	8	33.3 ± 7.0	NS
P	<i>Silene antirrhina</i>	Sleepy Catchfly				S1	5	50.3 ± 0.0	NS
P	<i>Callitriche hermaphroditica</i>	Northern Water-starwort				S1	2	97.9 ± 0.0	NB
P	<i>Astragalus robbinsii var. minor</i>	Robbins' Milkvetch				S1	31	59.1 ± 0.0	NS
P	<i>Ribes americanum</i>	Wild Black Currant				S1	6	15.2 ± 1.0	NS
P	<i>Trichostema dichotomum</i>	Forked Bluecurls				S1	5	67.6 ± 0.0	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	12	27.5 ± 0.0	NS
P	<i>Polygonum achoreum</i>	Leathery Knotweed				S1	1	84.6 ± 10.0	NS
P	<i>Persicaria careyi</i>	Carey's Smartweed				S1	1	88.8 ± 3.0	NS
P	<i>Phytolacca americana</i>	Common Pokeweed				S1	1	57.2 ± 0.0	NS
P	<i>Podostemum ceratophyllum</i>	Horn-leaved Riverweed				S1	4	51.5 ± 0.0	NS
P	<i>Montia fontana</i>	Water Blinks				S1	3	61.1 ± 1.0	NS
P	<i>Lysimachia minima</i>	Chaffweed				S1	1	92.5 ± 0.0	NS
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	1	35.7 ± 0.0	NS
P	<i>Clematis occidentalis</i>	Purple Clematis				S1	8	92.9 ± 0.0	NB
P	<i>Ranunculus pensylvanicus</i>	Pennsylvania Buttercup				S1	23	94.4 ± 0.0	NS
P	<i>Amelanchier nantucketensis</i>	Nantucket Serviceberry				S1	1	59.4 ± 1.0	NS
P	<i>Salix myrtilifolia</i>	Blueberry Willow				S1	1	87.0 ± 0.0	NS
P	<i>Salix serissima</i>	Autumn Willow				S1	2	87.1 ± 0.0	NS
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S1	2	47.4 ± 1.0	NS
P	<i>Carex digitalis</i>	Slender Wood Sedge				S1	4	77.1 ± 0.0	NS
P	<i>Carex laxiflora</i>	Loose-Flowered Sedge				S1	6	36.7 ± 7.0	NS
P	<i>Carex ormostachya</i>	Necklace Spike Sedge				S1	7	36.1 ± 5.0	NS
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	4	93.5 ± 0.0	NB
P	<i>Carex prairea</i>	Prairie Sedge				S1	2	33.5 ± 1.0	NS
P	<i>Carex tinctoria</i>	Tinged Sedge				S1	2	94.4 ± 0.0	NB
P	<i>Carex viridula var. saxillitoralis</i>	Greenish Sedge				S1	1	41.7 ± 0.0	NS
P	<i>Fimbristylis autumnalis</i>	Slender Fimbry				S1	3	96.5 ± 0.0	NS



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	4	22.7 ± 0.0	NS
P	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush				S1	8	63.5 ± 0.0	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	1	28.0 ± 100.0	NS
P	<i>Sisyrinchium fuscatum</i>	Coastal Plain Blue-eyed-grass				S1	5	53.6 ± 0.0	NS
P	<i>Juncus secundus</i>	Secund Rush				S1	3	33.4 ± 0.0	NS
P	<i>Juncus vaseyi</i>	Vasey Rush				S1	1	82.4 ± 0.0	NS
P	<i>Trillium grandiflorum</i>	White Trillium				S1	3	33.4 ± 1.0	NS
P	<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	North American White Adder's-mouth				S1	6	33.3 ± 10.0	NS
P	<i>Spiranthes casei</i> var. <i>casei</i>	Case's Ladies'-Tresses				S1	2	11.4 ± 0.0	NS
P	<i>Dichanthelium xanthophyllum</i>	Slender Panic Grass				S1	9	55.6 ± 0.0	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	11	23.5 ± 0.0	NS
P	<i>Torreyochloa pallida</i> var. <i>pallida</i>	Pale False Manna Grass				S1	2	49.9 ± 1.0	NS
P	<i>Graphephorum melicoides</i>	Purple False Oats				S1	1	94.2 ± 0.0	NB
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	14	16.0 ± 10.0	NS
P	<i>Dryopteris goldieana</i>	Goldie's Woodfern				S1	1	50.3 ± 1.0	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	1	26.9 ± 5.0	NS
P	<i>Botrychium lunaria</i>	Common Moonwort				S1	8	76.6 ± 0.0	NS
P	<i>Selaginella rupestris</i>	Rock Spikemoss				S1	1	21.3 ± 0.0	NS
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	1	61.9 ± 7.0	NS
P	<i>Suaeda rolandii</i>	Roland's Sea-Blite				S1?	8	15.6 ± 0.0	NS
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	3	59.1 ± 0.0	NS
P	<i>Carex rostrata</i>	Narrow-leaved Beaked Sedge				S1?	1	44.5 ± 0.0	NS
P	<i>Bolboschoenus robustus</i>	Sturdy Bulrush				S1?	1	95.1 ± 5.0	NS
P	<i>Juncus antheratus</i>	Greater Poverty Rush				S1?	1	61.8 ± 0.0	NS
P	<i>Allium schoenoprasum</i>	Wild Chives				S1?	5	22.4 ± 0.0	NS
P	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives				S1?	1	92.4 ± 7.0	NS
P	<i>Panicum dichotomiflorum</i> ssp. <i>puritanorum</i>	Spreading Panicgrass				S1?	5	84.1 ± 0.0	NS
P	<i>Huperzia selago</i>	Northern Firmoss				S1?	1	69.6 ± 1.0	NS
P	<i>Crocanthemum canadense</i>	Long-branched Frostweed			Endangered	S1S2	135	44.8 ± 1.0	NS
P	<i>Cypripedium arietinum</i>	Ram's-Head Lady's-Slipper			Endangered	S1S2	281	16.8 ± 0.0	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	10	23.6 ± 0.0	NS
P	<i>Ageratina altissima</i>	White Snakeroot				S1S2	34	60.0 ± 0.0	NS
P	<i>Draba glabella</i>	Rock Whitlow-Grass				S1S2	8	43.7 ± 0.0	NS
P	<i>Proserpinaca intermedia</i>	Intermediate Mermaidweed				S1S2	5	26.7 ± 2.0	NS
P	<i>Anemone virginiana</i> var. <i>alba</i>	Virginia Anemone				S1S2	1	92.4 ± 7.0	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	4	28.5 ± 1.0	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	3	28.8 ± 10.0	NS
P	<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	Slim-stemmed Reed Grass				S1S2	3	73.2 ± 7.0	NS
P	<i>Woodsia alpina</i>	Alpine Cliff Fern				S1S2	2	97.7 ± 0.0	NB
P	<i>Selaginella selaginoides</i>	Low Spikemoss				S1S2	3	92.9 ± 0.0	NB
P	<i>Euphrasia farlowii</i>	Farlow's Eyebright				S1S3	2	78.3 ± 0.0	NS
P	<i>Zizia aurea</i>	Golden Alexanders				S2	4	43.3 ± 0.0	NS
P	<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Parlin's Pussytoes				S2	25	17.2 ± 0.0	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	16	16.8 ± 0.0	NS
P	<i>Rudbeckia laciniata</i> var. <i>laciniata</i>	Cut-Leaved Coneflower				S2	9	16.8 ± 3.0	NS
P	<i>Arabis pycnocarpa</i>	Cream-flowered Rockcress				S2	2	56.4 ± 0.0	NS
P	<i>Cardamine maxima</i>	Large Toothwort				S2	20	49.6 ± 0.0	NS
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	220	30.2 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	9	19.3 ± 7.0	NS
P	<i>Hylodesmum glutinosum</i>	Large Tick-trefoil				S2	39	19.8 ± 1.0	NS
P	<i>Oxytropis campestris</i> var. <i>johannensis</i>	Field Locoweed				S2	26	59.1 ± 0.0	NS
P	<i>Conopholis americana</i>	American Cancer-root				S2	59	26.1 ± 1.0	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	14	22.4 ± 1.0	NS
P	<i>Hepatica americana</i>	Round-lobed Hepatica				S2	71	13.4 ± 13.0	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S2	24	52.7 ± 0.0	NS
P	<i>Galium boreale</i>	Northern Bedstraw				S2	11	33.3 ± 7.0	NS
P	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop				S2	4	87.9 ± 2.0	NS
P	<i>Dirca palustris</i>	Eastern Leatherwood				S2	66	20.1 ± 0.0	NS
P	<i>Carex chordorrhiza</i>	Creeping Sedge				S2	2	96.2 ± 0.0	NB
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	2	87.1 ± 0.0	NS
P	<i>Carex livida</i>	Livid Sedge				S2	2	14.9 ± 10.0	NS
P	<i>Juncus greenii</i>	Greene's Rush				S2	5	33.8 ± 0.0	NS
P	<i>Allium tricoccum</i>	Wild Leek				S2	74	31.9 ± 0.0	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	62	16.0 ± 7.0	NS
P	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper				S2	22	16.9 ± 0.0	NS
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	13	14.3 ± 7.0	NS
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	45	26.3 ± 0.0	NS
P	<i>Platanthera flava</i> var. <i>flava</i>	Southern Rein Orchid				S2	19	23.4 ± 7.0	NS
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid				S2	25	20.2 ± 1.0	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	8	6.5 ± 1.0	NS
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S2	6	97.6 ± 0.0	NS
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	37	30.6 ± 0.0	NS
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S2	6	61.9 ± 7.0	NS
P	<i>Festuca subverticillata</i>	Nodding Fescue				S2	15	23.4 ± 7.0	NS
P	<i>Piptatheropsis pungens</i>	Slender Ricegrass				S2	11	50.5 ± 0.0	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	3	14.8 ± 0.0	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	2	34.8 ± 0.0	NS
P	<i>Rumex persicarioides</i>	Peach-leaved Dock				S2?	1	35.8 ± 0.0	NS
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	5	20.6 ± 1.0	NS
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	4	24.1 ± 5.0	NS
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	187	17.0 ± 0.0	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	20	19.2 ± 0.0	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	2	69.7 ± 0.0	NS
P	<i>Eutrochium dubium</i>	Coastal Plain Joe Pye Weed				S2S3	2	80.7 ± 0.0	NS
P	<i>Lactuca hirsuta</i>	Hairy Lettuce				S2S3	6	17.5 ± 1.0	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	11	33.5 ± 7.0	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	64	17.2 ± 7.0	NS
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S2S3	38	38.5 ± 1.0	NS
P	<i>Boechera stricta</i>	Drummond's Rockcress				S2S3	12	38.5 ± 1.0	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	15	56.4 ± 1.0	NS
P	<i>Hypericum majus</i>	Large St John's-wort				S2S3	8	35.0 ± 10.0	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	6	51.5 ± 0.0	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	5	44.9 ± 7.0	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	11	48.4 ± 3.0	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	10	19.5 ± 0.0	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	18	21.4 ± 1.0	NS
P	<i>Oenothera fruticosa</i> ssp. <i>tetragona</i>	Narrow-leaved Evening Primrose				S2S3	7	16.0 ± 7.0	NS
P	<i>Polygala polygama</i>	Racemed Milkwort				S2S3	12	48.1 ± 0.0	NS
P	<i>Polygonum aviculare</i> ssp. <i>buxiforme</i>	Box Knotweed				S2S3	9	16.2 ± 0.0	NS
P	<i>Polygonum oxyspermum</i>	Ray's Knotweed				S2S3	5	36.6 ± 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>ssp. raii</i>								
P	<i>Polygonum oxyspermum</i>	Sharp-fruit Knotweed				S2S3	1	46.9 ± 0.0	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	11	11.1 ± 5.0	NS
P	<i>Primula mistassinica</i>	Mistassini Primrose				S2S3	1	92.4 ± 7.0	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	47	58.7 ± 0.0	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	8	21.9 ± 5.0	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	1	52.9 ± 7.0	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	10	42.3 ± 0.0	NS
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2S3	8	60.8 ± 0.0	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	9	63.5 ± 7.0	NS
P	<i>Tiarella cordifolia</i>	Heart-leaved Foamflower				S2S3	28	41.7 ± 0.0	NS
P	<i>Boehmeria cylindrica</i>	Small-spike False-nettle				S2S3	50	52.4 ± 0.0	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	9	58.6 ± 5.0	NS
P	<i>Carex capillaris</i>	Hairlike Sedge				S2S3	10	59.2 ± 0.0	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	9	11.5 ± 5.0	NS
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	11	79.6 ± 0.0	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	8	32.8 ± 0.0	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	8	19.6 ± 0.0	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	4	67.2 ± 0.0	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	15	53.7 ± 0.0	NS
P	<i>Najas gracillima</i>	Thread-Like Naiad				S2S3	22	28.1 ± 0.0	NS
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	75	18.9 ± 0.0	NS
P	<i>Spiranthes casei</i>	Case's Ladies'-Tresses				S2S3	1	75.5 ± 0.0	NS
P	<i>Spiranthes casei</i> var. <i>novaescotiae</i>	Case's Ladies'-Tresses				S2S3	1	60.3 ± 0.0	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	11	14.8 ± 1.0	NS
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S2S3	4	96.0 ± 2.0	NB
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	11	28.4 ± 1.0	NS
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S2S3	21	64.5 ± 1.0	NS
P	<i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	11	24.7 ± 0.0	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	7	14.8 ± 1.0	NS
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	8	15.9 ± 7.0	NS
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	27	58.2 ± 0.0	NS
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	11	51.8 ± 0.0	NS
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S3	7	94.1 ± 1.0	NS
P	<i>Iva frutescens</i>	Big-leaved Marsh-elder				S3	35	15.5 ± 1.0	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	11	58.6 ± 0.0	NS
P	<i>Symphotrichum boreale</i>	Boreal Aster				S3	8	53.3 ± 5.0	NS
P	<i>Symphotrichum undulatum</i>	Wavy-leaved Aster				S3	140	21.3 ± 0.0	NS
P	<i>Symphotrichum ciliolatum</i>	Fringed Blue Aster				S3	22	29.1 ± 0.0	NS
P	<i>Alnus serrulata</i>	Smooth Alder				S3	697	53.7 ± 0.0	NS
P	<i>Betula pumila</i> var. <i>pumila</i>	Bog Birch				S3	1	85.2 ± 1.0	NS
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	59	41.3 ± 0.0	NS
P	<i>Betula pumila</i>	Bog Birch				S3	3	85.3 ± 0.0	NS
P	<i>Cardamine parviflora</i>	Small-flowered Bittercress				S3	17	13.7 ± 7.0	NS
P	<i>Palustricodon aparinoides</i>	Marsh Bellflower				S3	18	32.0 ± 1.0	NS
P	<i>Mononeuria groenlandica</i>	Greenland Stitchwort				S3	147	41.3 ± 0.0	NS
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S3	48	52.2 ± 0.0	NS
P	<i>Sagina nodosa</i> ssp. <i>borealis</i>	Knotted Pearlwort				S3	3	66.1 ± 0.0	NS
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S3	7	65.2 ± 0.0	NS
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S3	14	28.4 ± 3.0	NS
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	31	22.7 ± 0.0	NS
P	<i>Viburnum edule</i>	Squashberry				S3	5	97.8 ± 1.0	NB
P	<i>Crassula aquatica</i>	Water Pygmyweed				S3	1	52.9 ± 0.0	NS
P	<i>Empetrum eamesii</i>	Pink Crowberry				S3	93	33.8 ± 0.0	NS
P	<i>Vaccinium uliginosum</i>	Alpine Bilberry				S3	3	72.3 ± 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Halenia deflexa</i>	Spurred Gentian				S3	3	58.3 ± 0.0	NS
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	23	14.2 ± 3.0	NS
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	6	32.1 ± 3.0	NS
P	<i>Utricularia resupinata</i>	Inverted Bladderwort				S3	12	62.3 ± 0.0	NS
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	12	21.3 ± 0.0	NS
P	<i>Polygala sanguinea</i>	Blood Milkwort				S3	20	33.8 ± 0.0	NS
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	21	28.3 ± 1.0	NS
P	<i>Plantago rugelii</i>	Rugel's Plantain				S3	13	22.0 ± 3.0	NS
P	<i>Primula laurentiana</i>	Laurentian Primrose				S3	65	27.1 ± 7.0	NS
P	<i>Samolus parviflorus</i>	Seaside Brookweed				S3	47	55.9 ± 1.0	NS
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	3	33.5 ± 7.0	NS
P	<i>Anemone virginiana</i>	Virginia Anemone				S3	13	20.5 ± 0.0	NS
P	<i>Cephalanthus occidentalis</i>	Common Buttonbush				S3	1947	60.8 ± 0.0	NS
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S3	59	83.8 ± 0.0	NS
P	<i>Salix pedicellaris</i>	Bog Willow				S3	104	33.7 ± 0.0	NS
P	<i>Salix sericea</i>	Silky Willow				S3	136	52.5 ± 0.0	NS
P	<i>Saxifraga paniculata</i> ssp. <i>laestadii</i>	Laestadius' Saxifrage				S3	23	33.3 ± 7.0	NS
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel				S3	20	20.5 ± 0.0	NS
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	46	21.2 ± 2.0	NS
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	6	23.2 ± 0.0	NS
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	5	18.0 ± 1.0	NS
P	<i>Carex bebbii</i>	Bebb's Sedge				S3	20	16.6 ± 0.0	NS
P	<i>Carex castanea</i>	Chestnut Sedge				S3	26	39.3 ± 0.0	NS
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	15	17.0 ± 0.0	NS
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	11	70.2 ± 0.0	NS
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S3	25	23.6 ± 0.0	NS
P	<i>Carex lupulina</i>	Hop Sedge				S3	61	11.5 ± 1.0	NS
P	<i>Carex rosea</i>	Rosy Sedge				S3	42	20.3 ± 1.0	NS
P	<i>Carex swanii</i>	Swan's Sedge				S3	18	49.3 ± 0.0	NS
P	<i>Carex tenera</i>	Tender Sedge				S3	8	30.7 ± 0.0	NS
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	17	13.8 ± 3.0	NS
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	37	18.1 ± 0.0	NS
P	<i>Carex atratiformis</i>	Scabrous Black Sedge				S3	3	59.8 ± 0.0	NS
P	<i>Eleocharis nitida</i>	Quill Spikerush				S3	21	23.4 ± 1.0	NS
P	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	Bright-green Spikerush				S3	14	59.1 ± 0.0	NS
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S3	9	17.9 ± 1.0	NS
P	<i>Coeloglossum viride</i>	Long-bracted Frog Orchid				S3	13	13.6 ± 1.0	NS
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S3	549	12.6 ± 0.0	NS
P	<i>Neottia bifolia</i>	Southern Twayblade				S3	126	12.3 ± 0.0	NS
P	<i>Platanthera flava</i>	Southern Rein-Orchid				S3	37	52.2 ± 0.0	NS
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	47	15.0 ± 1.0	NS
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	26	3.9 ± 0.0	NS
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S3	15	20.4 ± 7.0	NS
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S3	20	39.0 ± 0.0	NS
P	<i>Poa glauca</i>	Glaucous Blue Grass				S3	24	30.6 ± 1.0	NS
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed				S3	1	98.1 ± 7.0	NS
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	3	26.4 ± 1.0	NS
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	7	28.8 ± 1.0	NS
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S3	13	28.8 ± 1.0	NS
P	<i>Asplenium viride</i>	Green Spleenwort				S3	13	55.3 ± 7.0	NS
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	47	48.3 ± 0.0	NS
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	7	49.9 ± 0.0	NS
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	33	20.1 ± 0.0	NS
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	29	17.4 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3?	38	16.8 ± 1.0	NS
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	14	62.6 ± 0.0	NS
P	<i>Bidens vulgata</i>	Tall Beggarticks				S3S4	6	24.9 ± 0.0	NS
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	45	16.0 ± 7.0	NS
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S3S4	35	14.4 ± 11.0	NS
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	29	52.8 ± 0.0	NS
P	<i>Packera paupercula</i>	Balsam Groundsel				S3S4	87	16.9 ± 0.0	NS
P	<i>Packera paupercula</i> var. <i>paupercula</i>	Balsam Groundsel				S3S4	1	21.7 ± 0.0	NS
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush				S3S4	15	15.6 ± 0.0	NS
P	<i>Shepherdia canadensis</i>	Soapberry				S3S4	101	16.6 ± 0.0	NS
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3S4	3	70.0 ± 0.0	NS
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	61	4.2 ± 0.0	NS
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S3S4	6	52.6 ± 0.0	NS
P	<i>Fagus grandifolia</i>	American Beech				S3S4	458	11.7 ± 0.0	NS
P	<i>Bartonia virginica</i>	Yellow Bartonia				S3S4	44	49.7 ± 0.0	NS
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	67	40.3 ± 3.0	NS
P	<i>Decodon verticillatus</i>	Swamp Loosestrife				S3S4	97	71.8 ± 7.0	NS
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3S4	3	20.5 ± 0.0	NS
P	<i>Persicaria pensylvanica</i>	Pennsylvania Smartweed				S3S4	30	13.9 ± 1.0	NS
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3S4	17	25.8 ± 2.0	NS
P	<i>Rumex pallidus</i>	Seabeach Dock				S3S4	2	77.1 ± 0.0	NS
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3S4	11	42.6 ± 0.0	NS
P	<i>Endotropis alnifolia</i>	alder-leaved buckthorn				S3S4	157	22.0 ± 1.0	NS
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	64	20.3 ± 2.0	NS
P	<i>Crataegus succulenta</i>	Fleshy Hawthorn				S3S4	1	53.4 ± 0.0	NS
P	<i>Fragaria vesca</i> ssp. <i>americana</i>	Woodland Strawberry				S3S4	62	22.5 ± 0.0	NS
P	<i>Fragaria vesca</i>	Woodland Strawberry				S3S4	2	95.4 ± 0.0	NB
P	<i>Galium aparine</i>	Common Bedstraw				S3S4	23	20.2 ± 2.0	NS
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	6	38.5 ± 0.0	NS
P	<i>Limosella australis</i>	Southern Mudwort				S3S4	11	60.3 ± 0.0	NS
P	<i>Ulmus americana</i>	White Elm				S3S4	75	18.1 ± 0.0	NS
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	134	6.4 ± 7.0	NS
P	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet				S3S4	55	21.0 ± 5.0	NS
P	<i>Viola selkirkii</i>	Great-Spurred Violet				S3S4	10	31.5 ± 4.0	NS
P	<i>Symplocarpus foetidus</i>	Eastern Skunk Cabbage				S3S4	3	60.8 ± 0.0	NS
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	27	7.7 ± 1.0	NS
P	<i>Sisyrinchium atlanticum</i>	Eastern Blue-Eyed-Grass				S3S4	113	48.6 ± 0.0	NS
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	14	58.3 ± 0.0	NS
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	16	11.9 ± 0.0	NS
P	<i>Juncus subcaudatus</i>	Woods-Rush				S3S4	25	12.3 ± 1.0	NS
P	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	Black-fruited Woodrush				S3S4	10	59.0 ± 7.0	NS
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3S4	26	18.6 ± 1.0	NS
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	10	21.2 ± 5.0	NS
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	12	19.3 ± 10.0	NS
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	54	31.5 ± 4.0	NS
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3S4	16	44.1 ± 1.0	NS
P	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass				S3S4	291	20.1 ± 10.0	NS
P	<i>Coleataenia longifolia</i>	Long-leaved Panicgrass				S3S4	1592	62.3 ± 0.0	NS
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	27	30.7 ± 0.0	NS
P	<i>Koeleria spicata</i>	Narrow False Oats				S3S4	19	21.5 ± 0.0	NS
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S3S4	23	19.2 ± 0.0	NS
P	<i>Lorinseria areolata</i>	Netted Chain Fern				S3S4	1	92.9 ± 7.0	NS
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3S4	14	20.0 ± 0.0	NS
P	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar				S3S4	17	17.6 ± 2.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Diphasiastrum sitchense</i>	Sitka Ground-cedar				S3S4	2	23.0 ± 1.0	NS
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3S4	21	41.3 ± 1.0	NS
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	14	5.3 ± 10.0	NS
P	<i>Botrychium matricariifolium</i>	Daisy-leaved Moonwort				S3S4	6	9.0 ± 10.0	NS
P	<i>Bidens discoides</i>	Swamp Beggarticks				SH	1	99.3 ± 0.0	NS
P	<i>Viola canadensis</i>	Canada Violet				SH	1	21.8 ± 0.0	NS
P	<i>Greeneochloa coarctata</i>	Small Reedgrass				SH	1	57.8 ± 6.0	NS

## 5.1 SOURCE BIBLIOGRAPHY (100 km)

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

# recs	CITATION
19461	Morrison, Guy. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
8098	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
7508	McNeil, J.A. 2010. Blandings Turtle ( <i>Emydoidea blandingii</i> ) sightings, 1946-2009. Parks Canada, 12,871 recs of 597+ individuals.
3951	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, <a href="https://doi.org/10.5066/P9J6QUF6">https://doi.org/10.5066/P9J6QUF6</a>
3854	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
3171	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
2642	Paquet, Julie. 2018. Atlantic Canada Shorebird Survey (ACSS) database 2012-2018. Environment Canada, Canadian Wildlife Service.
1609	McNeil, J.A. 2010. Ribbonsnake ( <i>Thamophis sauritus</i> ) sightings, 1900-2009. Parks Canada, 2521 recs of 716+ individuals.
1403	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.
1296	Blaney, C.S.; Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
1175	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
1122	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
1018	Phinney, Lori. 2020. Pre- and post White-nose Syndrome bat acoustic monitoring, NS. Mersey Tobeatic Research Institute, 1279 recs.
1009	Belliveau, A. 2012. 2012 Atlantic Coastal Plain Flora observations. Mersey Tobeatic Research Institute, 1543.
952	Eaton, S. 2014. Nova Scotia Wood Turtle Database. Environment and Climate Change Canada, 4843 recs.
934	Paquet, Julie. 2019. Atlantic Canada Shorebird Survey ACSS database for 2019. Environment Canada, Canadian Wildlife Service.
899	SwiftWatch. 2022. Total Chimney Swift counts from roost watches for the duration of the SwiftWatch program (2011-2021). Birds Canada.
845	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
824	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
763	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.
734	Toms, Brad. 2012. Atlantic Coastal Plain Flora records, 2011. Mersey-Tobiatic Research Institute, 1109 recs.
672	Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.
623	Cameron, E. 2008. Canadian Gypsum Co. survey 2007-08. Conestoga-Rovers & Assoc., 623 recs.
584	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre, 907 recs.
578	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre Fieldwork 2015. Atlantic Canada Conservation Data Centre, # recs.
536	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
519	eBird. 2014. eBird Basic Dataset. Version: EBD_relNov-2014. Ithaca, New York. Nov 2014. Cornell Lab of Ornithology, 25036 recs.
514	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
452	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: <a href="http://luxor.acadiau.ca/library/Herbarium/project/">http://luxor.acadiau.ca/library/Herbarium/project/</a> . 582 recs.
442	McNeil, J.A. 2019. Blanding's Turtle records, 2017. Mersey Tobeatic Research Institute, 372 recs.
414	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
393	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
372	McNeil, J.A. 2018. Blanding's Turtle records, 2018. Mersey Tobeatic Research Institute, 372 recs.
366	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre, 2318 recs.
365	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
365	Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
327	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
326	Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
316	Toms, Brad. 2011. Atlantic Coastal Plain Flora records 2010. Mersey-Tobiatic Research Institute, 1074 recs.
311	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).

# recs	CITATION
307	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.
306	McNeil, J.A. 2015. Blandings Turtle ( <i>Emydoidea blandingii</i> ), Eastern Ribbonsnake ( <i>Thamnophis sauritus</i> ), and Snapping Turtle ( <i>Chelydra serpentina</i> ) sightings, 2015. Mersey Tobeatic Research Institute.
300	McNeil, Jeffie. 2022. Wood Turtle GPS Tracking data, 2021. Mersey Tobeatic Research Institute.
299	Blaney, C.S.; Mazerolle, D.M.; Oberndorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sackville NB, 13770 recs.
286	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
265	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.
261	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
256	Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
243	Belliveau, A.G. 2021. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2021. E.C. Smith Herbarium.
240	Mazerolle, D.M. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
233	Chapman, C.J. 2019. Atlantic Canada Conservation Data Centre 2019 botanical fieldwork. Atlantic Canada Conservation Data Centre, 11729 recs.
233	McNeil, Jeffie. 2022. 2021 Turtle Records. Mersey Tobeatic Research Institute.
229	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
225	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
222	Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
218	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
209	Brazner, J. 2016. Nova Scotia Forested Wetland Bird Surveys. Nova Scotia Department of Lands and Forestry.
202	Blaney, C.S. & Mazerolle, D.M. 2011. 2011 botanical surveys in Kejimikujik National Park. Atlantic Canada Conservation Data Centre, 820 recs.
199	Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
195	Blaney, C.S.; Mazerolle, D.M. 2009. Fieldwork 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
195	Smith, D. 2013. Personal communication concerning <i>Anguilla rostrata</i> trapping results in Kejimikujik NP, NS. Winter 2013. Pers. comm.
195	Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
192	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
190	McNeil, J.A. 2019. Blanding's Turtle records, 2019. Mersey Tobeatic Research Institute.
190	McNeil, J.A. 2019. Eastern Painted Turtle trapping records, 2019. Mersey Tobeatic Research Institute.
185	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
171	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
168	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
160	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
154	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
152	McNeil, J.A. 2014. Blandings Turtle ( <i>Emydoidea blandingii</i> ) and Snapping Turtle ( <i>Chelydra serpentina</i> ) sightings, 2014. Mersey Tobeatic Research Institute.
146	e-Butterfly. 2016. Export of Maritimes records and photos. Maxim Larivee, Sambo Zhang (ed.) e-butterfly.org.
144	Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.
144	McNeil, J.A. 2011. Ribbonsnake ( <i>Thamnophis sauritus</i> ) sightings, 2010. Parks Canada, 148 recs of 70+ individuals.
131	Berrigan, L. 2019. Maritimes Marsh Monitoring Project 2013, 2014, 2016, 2017, and 2018 data. Bird Studies Canada, Sackville, NB.
130	Keddy, C.J. 1989. Habitat securement for redroot, golden crest and Long's bulrush in Ponhook Lake, NS. World Wildlife Fund (Canada), 131 recs.
127	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
126	Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
124	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
122	Stewart, J.I. 2010. Peregrine Falcon Surveys in New Brunswick and Central Nova Scotia. Atlantic Canada Conservation Data Centre, Sackville, 58 recs.
120	McNeil, J.A. 2018. Wood Turtle records, 2018. Mersey Tobeatic Research Institute, 68 recs.
115	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
113	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
110	Hubleby, Nicole. 2022. Monarch ( <i>Danaus plexippus</i> ) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
108	McNeil, J.A. 2020. Blanding's Turtle records, 2020. Mersey Tobeatic Research Institute.
107	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
106	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
105	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).
104	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
100	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
98	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
95	Breen, A. 2019. 2019 Atlantic Whitefish observations. Coastal Action, 95 recs.
95	McNeil, J.A. 2019. Eastern Painted Turtle trapping records, 2017. Mersey Tobeatic Research Institute.
92	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
90	Churchill, J.L. 2021. Atlantic Canada Conservation Data Centre Fieldwork 2021. Atlantic Canada Conservation Data Centre.
89	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
88	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
88	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
85	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.

# recs	CITATION
83	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
83	Blaney, C.S. 2020. Sean Blaney 2020 field data. Atlantic Canada Conservation Data Centre, 4407 records.
83	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
83	Parks Canada. 2010. Specimens in or near National Parks in Atlantic Canada. Canadian National Museum, 3925 recs.
74	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
73	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
73	Herman, T.B. & Power, T.D., Eaton, B. 1995. Population status of Blanding's Turtle ( <i>Emydoidea blandingii</i> ) in Nova Scotia. <i>Can. Field-Nat.</i> , 109: 182-191. 79 recs.
71	Parks Canada. 2021. Species at Risk observations from 2019-2020 in Kejimikujik National Park and Historic Site. Parks Canada, 76 records.
70	McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute.
69	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
68	McNeil, J.A. 2017. Updates to Blanding's Turtle database, 1984-2014. Mersey Tobeatic Research Institute.
64	Klymko, John. 2022. Atlantic Canada Conservation Data Centre zoological fieldwork 2021. Atlantic Canada Conservation Data Centre.
62	McNeil, J.A. 2013. Ribbonsnake ( <i>Thamnophis sauritus</i> ) sightings, 2012. Parks Canada, 63 records of 26+ individuals.
60	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
56	Mersey Tobeatic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobeatic Research Institute, 72 records.
55	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
53	Blaney, C.S. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
53	Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
52	Belliveau, A.G., Churchill, J.L. 2019. Compilation of flora and fauna observation records from Isle Haute, Nova Scotia. Acadia University; Atlantic Canada Conservation Data Centre, 522 recs.
51	Roland, A.E. 1976. The Coastal Plain Flora of Kejimikujik National Park. Parks Canada Report, 238 pp.
50	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2003.
50	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
48	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
47	MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
46	LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
46	Richardson, D., Anderson, F., Cameron, R., McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen ( <i>Anzia colpodes</i> ). COSEWIC.
45	Bayne, D.M. 2007. Atlantic Coastal Plain Flora record, 2004-06. Nova Scotia Nature Trust. Pers. comm. to C.S. Blaney, 57 recs.
44	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
44	McLean, K. 2019. Wood Turtle observations. Clean Annapolis River Project.
42	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.
40	Cameron, E. 2007. Canadian Gypsum Co. survey 2005-07. Dillon Consulting Ltd, 40 recs.
40	McLean, K. 2020. Species occurrence records from Clean Annapolis River Project fieldwork in 2020. Clean Annapolis River Project, 206 records.
39	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
38	Atlantic Canada Conservation Data Centre. 2020. Cape LaHave Island observations from August 2020. Atlantic Canada Conservation Data Centre, 605 records.
38	Hall, R.A. 2001. S. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
38	Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.
37	Newell, R.E. 2019. <i>Crocantthemum canadense</i> records compiled for provincial status report. pers. comm. from Ruth Newell to AC CDC.
37	Tsehtik, M.; Leblanc, M.; Creaser, T. 2020. Coastal Action: 2020 Species at Risk Data. Coastal Action, 40 records.
36	Churchill, J.L.; Klymko, J.D. 2015. Chignecto and Tintamarre National Wildlife Area Bird Surveys 2015. Atlantic Canada Conservation Data Centre, 2238 recs.
36	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
36	McNeil, J.A. 2017. Eastern Ribbonsnake ( <i>Thamnophis sauritus</i> ) sightings, 2017. Mersey Tobeatic Research Institute, 36 recs.
35	Blaney, C.S. 2019. Sean Blaney 2019 field data. Atlantic Canada Conservation Data Centre, 4407 records.
35	East Coast Aquatics Inc. 2021. Species at Risk records from Spicer North Mountain Quarry Expansion Environmental Assessment. East Coast Aquatics, 44 records.
35	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
35	Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.
35	Porter, Caitlin. 2021. Field data for 2020 in various locations across the Maritimes. Atlantic Canada Conservation Data Centre, 3977 records.
34	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
33	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. <i>Proceedings of the Nova Scotian Institute of Science</i> , 23(3), 161-375.
33	Klymko, J.J.D. 2018. 2017 field data. Atlantic Canada Conservation Data Centre.
33	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
33	Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
32	Frittation, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
31	Jobin, C. & Clow, A., Van Dijk, J. 2019. Eastern Waterfan data, Mount Allison Fundy Field Camp 2019. Chapman, C.J. (ed.) Fundy National Park and Mount Allison University, 31 recs.
31	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
30	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
29	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
29	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
29	Roland, A.E. 1980. Checklist of Vascular Plants of Kejimikujik National Park in Lichens, Liverworts, Mosses and Flowering Plants of Kejimikujik National Park. Roland, A.E. (ed.) Parks Canada Report, pp. 52-140, 160 pp.



# recs	CITATION
29	Wallace, S. 2020. Stewardship Department species occurrence data on NTNB preserves. Nature Trust of New Brunswick.
27	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
26	Cameron, R.P. 2018. <i>Degelia plumbea</i> records. Nova Scotia Environment.
26	McLean, K. 2020. Wood Turtle observations . Clean Annapolis River Project.
26	Neily, T.H. 2013. Email communication to Sean Blaney regarding <i>Listera australis</i> observations made from 2007 to 2011 in Nova Scotia. , 50.
25	Burnie, B. 2013. 2013 <i>Scirpus longii</i> field data. Mount Saint Vincent University, 51 recs.
25	McNeil, J.A. 2019. Snapping Turtle records, 2017. Mersey Tobeatic Research Institute.
25	Richardson, D., Anderson, F., Cameron, R, Pepper, C., Clayden, S. 2015. Field Work Report on the Wrinkled Shingle lichen ( <i>Pannaria lurida</i> ). COSEWIC.
24	Belliveau, A.G. 2021. New Black ash site records near Kentville, NS. Acadia University, 47 records.
24	Broders, H.G. 2006. Unpublished data. , 24 recs.
24	Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
24	Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
23	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
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	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
23	Tims, J. & Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA). NB Dept of Environment & Nature Trust of New Brunswick Inc, 6042 recs. <a href="https://doi.org/10.1037/arc0000014">https://doi.org/10.1037/arc0000014</a> .
22	Breen, A. 2018. 2018 Atlantic Whitefish observations. Coastal Action.
22	McLean, K. 2019. Species At Risk observations. Clean Annapolis River Project.
22	Nelly, T.H. 2006. <i>Cypripedium arietinum</i> in Hants Co. Pers. comm. to C.S. Blaney. 22 recs, 22 recs.
21	MacKinnon, D.S. & O'Brien, M.K.H.; Cameron, R.P. 2002. Fieldwork 2000. Dept of Environment & Labour, Protected Areas Branch, 252 recs.
21	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
20	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
20	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
20	O'Grady, Sally. 2010. Water Pennywort in Kejimikujik National Park, 2010. Parks Canada, 20 shapefiles.
20	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
19	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
19	Robinson, S.L. 2014. 2013 Field Data. Atlantic Canada Conservation Data Centre.
18	Basquill, S.; Sam, D. 2019. <i>Crocianthemum canadense</i> observations near Greenwood, NS, 2015-2019. pers. commun. from Nova Scotia Department of Lands and Forestry to AC CDC, 18 recs.
18	Cameron, R.P. 2009. <i>Erioderma pedicellatum</i> database, 1979-2008. Dept Environment & Labour, 103 recs.
18	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J; ONHIC, 487 recs.
18	Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
17	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of <i>C. insculpta</i> sightings. Acadia University, Wolfville NS, 88 recs.
17	Bagnell, B.A. 2001. New Brunswick Bryophyte Occurrences. B&B Botanical, Sussex, 478 recs.
17	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
16	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
16	Holder, M. 2003. Assessment and update status report on the Eastern <i>Lilaeopsis</i> ( <i>Lilaeopsis chinensis</i> ) in Canada. Committee on the Status of Endangered Wildlife in Canada, 16 recs.
16	Hunsinger, J. 2021. Species at Risk records from Medway Community Forest Cooperative monitoring plots and baited game cameras, 2019-2020. Medway Community Forest Cooperative, 16 records.
15	Basquill, S.P. 2011 vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
15	Klymko, J.J.D. 2012. Odonata specimens & observations, 2010. Atlantic Canada Conservation Data Centre, 425 recs.
15	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
15	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
15	Powell, B.C. 1967. Female sexual cycles of <i>Chrysemy spicta</i> & <i>Clemmys insculpta</i> in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
14	Benedict, B. Connell Herbarium Specimens (Data) . University New Brunswick, Fredericton. 2003.
14	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
14	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
14	e-Butterfly. 2018. Selected Maritimes butterfly records from 2016 and 2017. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
14	McNeil, J.A. 2018. Snapping Turtle records, 2018. Mersey Tobeatic Research Institute.
13	Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort ( <i>Isoetes prototypus</i> ). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
13	Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
13	MacKinnon, D.S. 1998. Ponhook Lake survey map & notes. Dept of Environment and Labour, Protected Areas Branch, 13 recs.
13	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
13	Nova Scotia Nature Trust. 2014. Ladyslipper records from Saint Croix Nova Scotia, JLC Ed. Nova Scotia Nature Trust.
12	Basquill, S.P. 2012. 2012 rare vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
12	Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.
12	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
12	Hill, N.M. 2021. Observation of <i>Carex haydenii</i> and black ash near Marshy Hope and Ponhook Lake. pers. comm.
11	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.
11	Benedict, B. Connell Herbarium Specimen Database Download 2004. Connell Memorial Herbarium, University of New Brunswick. 2004.
11	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.

# recs	CITATION
11	Clayden, S.R. 2005. Confidential supplement to Status Report on Ghost Antler Lichen ( <i>Pseudevernia cladonia</i> ). Committee on the Status of Endangered Wildlife in Canada, 27 recs.
11	Haughian, S.R. 2018. Description of <i>Fuscopannaria leucosticta</i> field work in 2017. New Brunswick Museum, 314 recs.
10	Belliveau, A.G. & Vail, Cole; King, Katie. 2020. New <i>Allium tricoccum</i> locations, Cornwallis River. Chapman, C.J. (ed.) Acadia University.
10	Bredin, K.A. 2002. NS Freshwater Mussel Fieldwork. Atlantic Canada Conservation Data Centre, 30 recs.
10	Churchill, J.L.; Walker, J. 2017. Species at Risk Surveys at Correctional Services Canada Properties in Nova Scotia and New Brunswick. Atlantic Canada Conservation Data Centre.
10	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
10	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
10	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
10	Parker, M.S.R. 2011. Hampton Wind Farm 2010: significant floral/faunal observations. , 13 recs.
10	Phinney, L. 2019. Little Brown Myotis maternal colony counts and birdSAR, 2019. Mersey Tobeatic Research Institute.
9	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
9	Basquill, S.P. 2009. 2009 field observations. Nova Scotia Dept of Natural Resources.
9	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
9	Blaxley, Megan; Vinson, Neil. 2020. <i>Peltigera hydrothyrta</i> records from a tributary of Lake Brook, Fundy National Park. Chapman-Lam, Colin J. (ed.) Fundy National Park, 9.
9	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
9	Erskine, A.J. 1999. Maritime Nest Records Scheme (MNRS) 1937-1999. Canadian Wildlife Service, Sackville, 313 recs.
9	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
9	Toms, Brad. 2011. Species at Risk data from 2011 field surveys. Mersey Tobeatic Research Institute, 17 recs.
8	Caissie, A. Herbarium Records. Fundy National Park, Alma NB. 1961-1993.
8	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
8	Holder, M.L.; Kingsley, A.L. 2000. Kingsley and Holder observations from 2000 field work.
8	King, Katie; Jean, Samuel. 2021. Black ash observations near Booklyn, NS. E.C. Smith Herbarium.
8	Klymko, J. 2019. Atlantic Canada Conservation Data Centre zoological fieldwork 2018. Atlantic Canada Conservation Data Centre.
8	Klymko, J. Butterfly records at the Nova Scotia Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2017.
8	Neily, T.H. & Anderson, F. 2011. Lichen observations from NRC site at Sandy Cove. , 97.
8	Neily, T.H. 2010. <i>Erioderma pedicellatum</i> records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
8	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
8	Webster, R.P. Atlantic Forestry Centre Insect Collection, Maritimes butterfly records. Natural Resources Canada. 2014.
8	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
7	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
7	Cameron, B. 2006. <i>Hepatica americana</i> Survey at Scotia Mine Site in Gays River, and Discovery of Three Yellow-listed Species. Conestoga-Rovers and Associates, (a consulting firm), october 25. 7 recs.
7	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
7	Kennedy, B.; Cron, C. 2019. observations of Poison Sumac and Buttonbush, Nova Scotia. pers. commun to AC CDC.
6	Benjamin, L.K. 2006. <i>Cyrtopodium arietinum</i> . Pers. comm. to D. Mazerolle. 9 recs, 9 recs.
6	Brazner, J.; Hill, N. 2018. Plant observations along the Cornwallis River, Nova Scotia. Nova Scotia Department of Lands and Forestry.
6	Catling, P.M. 1981. Taxonomy of autumn-flowering <i>Spiranthes</i> species of southern Nova Scotia in Can. J. Bot. , 59:1250-1273. 30 recs.
6	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.
6	Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
6	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2009. New Brunswick Dept Natural Resources, 19 recs (14 active).
6	Matthew Smith. 2010. Field trip report from Avon Caving Club outlining the discovery of <i>Cyrtopodium arietinum</i> and <i>Hepatica nobilis</i> populations. Public Works and Government Services Canada.
6	McKendry, Karen. 2016. Rare species observations, 2016. Nova Scotia Nature Trust, 19 recs.
6	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
6	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
6	Thomas, A.W. 1996. A preliminary atlas of the butterflies of New Brunswick. New Brunswick Museum.
6	Wissink, R. 2000. Rare Plants of Fundy: maps. Parks Canada, 20 recs.
5	Blaney, C.S.; Mazerolle, D.M.; Klymko, J.; Spicer, C.D. 2006. Fieldwork 2006. Atlantic Canada Conservation Data Centre. Sackville NB, 8399 recs.
5	Cameron, R.P. 2006. <i>Erioderma pedicellatum</i> 2006 field data. NS Dept of Environment, 9 recs.
5	Carter, Jeff; Churchill, J.; Churchill, L. 2020. Bank Swallow colony Scots Bay, NS. Atlantic Canada Conservation Data Centre.
5	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
5	Majka, C.G. & McCorquodale, D.B. 2006. The <i>Coccinellidae</i> (Coleoptera) of the Maritime Provinces of Canada: new records, biogeographic notes, and conservation concerns. Zootaxa. Zootaxa, 1154: 49-68. 7 recs.
5	McMullin, Troy. 2021. <i>Anzia colpodes</i> observations near Kejimikujik National Park. Canadian Museum of Nature.
5	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
5	Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
5	Porter, K. 2013. 2013 rare and non-rare vascular plant field data. St. Mary's University, 57 recs.
5	Tingley, S. (compiler). 2001. Butterflies of New Brunswick. , Web site: www.geocities.com/Yosemite/8425/buttrfly. 142 recs.
5	Towell, C. 2014. 2014 Northern Goshawk and Common Nighthawk email reports, NS. NS Department of Natural Resources.
5	Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
5	Wissink, R. 2006. Fundy National Park Digital Database. Parks Canada, 41 recs.
4	Cameron, R.P. 2009. Nova Scotia nonvascular plant observations, 1995-2007. Nova Scotia Dept Natural Resources, 27 recs.

# recs	CITATION
4	Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.
4	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
4	Cody, W.J. 2003. Nova Scotia specimens of <i>Equisetum pratense</i> at the DAO herbarium in Ottawa. , Pers. comm. to C.S. Blaney. 4 recs.
4	Forsythe, B. 2006. <i>Cypripedium arietinum</i> at Meadow Pond, Hants Co. Pers. comm. to C.S. Blaney. 4 recs, 4 recs.
4	Klymko, J. 2021. Atlantic Canada Conservation Data Centre zoological fieldwork 2020. Atlantic Canada Conservation Data Centre.
4	Klymko, J. Dataset of butterfly records at the New Brunswick Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2016.
4	Klymko, J.J.D. 2011. Insect fieldwork & submissions, 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 742 recs.
4	Mills, Pamela. 2007. <i>Iva frutescens</i> records. Nova Scotia Dept of Natural Resources, Wildlife Div. Pers. comm. to S. Basquill, 4 recs.
4	Newell, R. & Neily, T.; Toms, B.; Proulx, G. et al. 2011. NCC Properties Fieldwork in NS: August-September 2010. Nature Conservancy Canada, 106 recs.
4	Toms, B. 2015. <i>Lophiola aurea</i> (Goldencrest) records from Molega Lake. Mersey Tobeatic Research Institute, 4 records.
4	Toms, B. 2016. Email list of four GPS locations of Golden Crest ( <i>Lophiola aurea</i> ) from the previously documented site on Molega Lake, NS. Mersey Tobeatic Research Institute, 4 records.
3	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
3	Blaney, C.S. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre.
3	Bradford, R. 2004. <i>Coregonus huntsmani</i> locations. Dept of Fisheries & Oceans, Atlantic Region, Pers. comm. to K. Bredin. 4 recs.
3	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
3	Doubt, J. 2013. Email to Sean Blaney with Nova Scotia records of <i>Fissidens exilis</i> at Canadian Museum of Nature. pers. comm., 3 records.
3	Hill, N. and D. Patriquin. 2013. 2013 rare plant observations in Williams Lake Backlands area. Fern Hill Institute of Plant Conservation, Berwick, Nova Scotia, 3 records.
3	Hill, N.M., Myra, M. 2017. Email to Sean Blaney regarding rich intervale flora on Nictaux River. Fern Hill Institute, 3 records.
3	McAlpine, D.F. 1998. NBM Science Collections databases to 1998. New Brunswick Museum, Saint John NB, 241 recs.
3	Mills, Pamela. 2008. <i>Clethra alnifolia</i> at Mudflat Lake. Nova Scotia Dept of Natural Resources, Wildlife Div. Pers. comm. to D.M. Mazerolle, 4 recs.
3	Nature Trust of New Brunswick. 2021. Nature Trust of New Brunswick site inventory data submitted in April 2021. Nature Trust of New Brunswick, 2189 records.
3	Neily, T.H. & Pepper, C.; Toms, B. 2015. Nova Scotia lichen location database [as of 2015-02-15]. Mersey Tobeatic Research Institute, 1691 records.
3	Nova Scotia Department of Lands and Forestry. 2018. Wood Turtle observations in, or near, the cornwallis River watershed. NS DLF, pers. comm. to AC CDC.
3	Pike, E., Tingley, S. & Christie, D.S. 2000. Nature NB Listserve. University of New Brunswick, listserv.unb.ca/archives/naturenb. 68 recs.
3	Sabine, M. 2016. NB DNR staff incidental Black Ash observations. New Brunswick Department of Natural Resources.
3	Sollows, M.C., 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada).
3	Staicer, C. 2013. Personal communication concerning <i>Hirundo rustica</i> nesting in and around Kejimikujik NP, NS. Pers. comm.
3	Thompson, R. 2018. Williamsdale Quarry Expansion Project, NS, Environmental Assessment Report. Dexter Construction Company Limited.
3	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
2	Amiro, Peter G. 1998. Atlantic Salmon: Inner Bay of Fundy SFA 22 & part of SFA 23. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-12. 4 recs.
2	Anon. 2017. Export of Maritimes Butterfly records. Global Biodiversity Information Facility (GBIF).
2	Basquill, S.P. 2011. Field observations & specimen collections, 2010. Nova Scotia Department of Natural Resources, Pers. comm. , 8 Recs.
2	Basquill, S.P. 2018. Various specimens, NS DNR field work. NS Department of Natural Resources, 10.
2	Belliveau, A. 2013. email to Sean Blaney regarding <i>Listera australis</i> observations in SW Nova Scotia. Mersey Tobeatic Research Institute, 8.
2	Belliveau, A.G. E.C. Smith Herbarium Specimen Database 2019. E.C. Smith Herbarium, Acadia University. 2019.
2	Blaney, C.S. 1999. Fieldwork 1999. Atlantic Canada Conservation Data Centre. Sackville NB, 292 recs.
2	Chapman-Lam, C.J. 2022. Atlantic Canada Conservation Data Centre 2021 botanical fieldwork. Atlantic Canada Conservation Data Centre, 15099 recs.
2	Chapman, Cody. Unreported Species at Risk Records across Nova Scotia. Chapman, Cody, 5 records.
2	COSEWIC (Committee on the Status of Wildlife in Canada). 2013. COSEWIC Assessment and Status Report on the Eastern Waterfowl <i>Peltigera hydrothyria</i> in Canada. COSEWIC, 46 pp.
2	Gilhen, J., Jones, A., McNeil, J., Tanner, A.W. 2012. A Significant Range Extension for the Eastern Ribbonsnake, <i>Thamnophis sauritus</i> , in Nova Scotia, Canada. The Canadian Field-Naturalist, 126(3): 231-233.
2	Goltz, J.P. 2012. Field Notes, 1989-2005. , 1091 recs.
2	Hicklin, P.W. 1995. The Maritime Shorebird Survey Newsletter. <i>Calidris</i> , No. 3. 6 recs.
2	Hill, N.M. 2013. email communications to Sean Blaney and David Mazerolle regarding the discovery of <i>Listera australis</i> populations at Black River Lake and Middlewood. , 2.
2	Hill, N.M. 2019. Observation of <i>Crocianthemum canadense</i> near Auburn, Annapolis Co. NS on May 29, 2019. Fern Hill Institute, 2 recs.
2	Hinds, H.R. 1999. Connell Herbarium Database. University New Brunswick, Fredericton, 131 recs.
2	Honeyman, K. 2019. Unique Areas Database, 2018. J.D. Irving Ltd.
2	Kennedy, B. & Cron, C.; Patriquin, D. 2018. Email to Sean Blaney on observations of <i>Trichostema dichotomum</i> at Shingle Lake, Nova Scotia. , 2 records.
2	Klymko, J.J.D. 2010. Miscellaneous observations reported to ACCDC (zoology). Pers. comm. from various persons, 3 recs.
2	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
2	Klymko, J.J.D. 2016. 2015 field data. Atlantic Canada Conservation Data Centre.
2	LaPaix, R.; Parker, M. 2013. email to Sean Blaney regarding <i>Listera australis</i> observations near Kearney Lake. East Coast Aquatics, 2.
2	Lock, A.R., Brown, R.G.B. & Gerriets, S.H. 1994. Gazetteer of Marine Birds in Atlantic Canada. Canadian Wildlife Service, Atlantic Region, 137 pp.
2	Manning, I. 2020. Peregrine Falcon nest site observations. pers. comm. to J. Churchill.
2	Mazerolle, David. 2021. Botanical fieldwork 2019-20200. Parks Canada.
2	McAlpine, D.F. 1983. Status & Conservation of Solution Caves in New Brunswick. New Brunswick Museum, Publications in Natural Science, no. 1, 28pp.
2	Mills, P. 2016. Email communication to S. Blaney, re: <i>Scirpus longii</i> at Upper Great Brook, Queens Co. NS. NS DNR, 2 recs.
2	Munro, M. 2003. <i>Caulophyllum thalictroides</i> & <i>Carex hirtifolia</i> at Herbert River, Brooklyn, NS. , Pers. comm. to C.S. Blaney. 2 recs.
2	Munro, M. 2003. <i>Dirca palustris</i> & <i>Hepatica nobilis</i> var. <i>obtusa</i> at Cogmagun River, NS. , Pers. comm. to C.S. Blaney . 2 recs.
2	NatureServe Canada. 2018. iNaturalist Butterfly Data Export . iNaturalist.org and iNaturalist.ca.

# recs	CITATION
2	Neily, T.H.; Smith, C.; Whitman, E. 2011. NCC Logging Lake (Halifax Co. NS) properties baseline survey data. Nature Conservancy of Canada, 2 recs.
2	Newell, R. E., MacKinnon, C. M. & Kennedy, A. C. 2006. Botanical Survey of Boot Island National Wildlife Area, Nova Scotia, 2004. Canadian Wildlife Service, Atlantic Region, Technical Report Series Number 450. 3 recs.
2	Newell, R.E. 2006. Rare plant observations in Digby Neck. Pers. comm. to S. Blaney, 6 recs.
2	Parker, M. 2016. Wood turtle ( <i>Glyptemys insculpta</i> ) Visual Surveys at Black, Wallace, Musquodobit and Sackville Rivers, Nova Scotia. East Coast Aquatics Inc., 3 records.
2	Parker, M. 2018. East Coast Aquatics ACCDC 2018 Report. East Coast Aquatics, 12 records.
2	Shafer, A.B.A., D.T. Stewart. 2006. A Disjunct Population of <i>Sorex dispar</i> (Long-Tailed Shrew) in Nova Scotia. Northeastern Naturalist, 13(4): 603-608.
2	Sheffield, C.S. 2004. The Rare Cleptoparasitic Bee <i>Epeoloides pilosula</i> (Hymenoptera: Apoidea: Apidae) Discovered in Nova Scotia, Canada, with Distributional Notes
2	Sollows, M.C. 2008. NBM Science Collections databases: herpetiles. New Brunswick Museum, Saint John NB, download Jan. 2008, 8636 recs.
2	Standley, L.A. 2002. <i>Carex haydenii</i> in Nova Scotia. , Pers. comm. to C.S. Blaney. 4 recs.
2	Webster, R.P. 2004. Lepidopteran Records for National Wildlife Areas in New Brunswick. Webster, 1101 recs.
1	Allan Smith. 2011. Cedar stand location at South Williamston. Abitibi Bowater, 1 Rec.
1	Amirault, D.L. 2003. 2003 Peregrine Falcon Survey. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
1	Amirault, D.L. 2005. 2005 Peregrine Falcon Survey. Canadian Wildlife Service, Sackville, unpublished data. 27 recs.
1	Amiro, Peter G. 1998. Atlantic Salmon: Southern Nova Scotia SFA 21. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-11. 1 rec.
1	Anon. Dataset of butterfly records for the Maritime provinces. Museum of Comparative Zoology, Harvard University. 2017.
1	Austin-Smith, P. 2014. 2014 Common Nighthawk personal communication report, NS. NS Department of Natural Resources.
1	Basquill, S. P. 2008. Nova Scotia Dept of Natural Resources.
1	Basquill, S.P. 2004. <i>C. americana</i> and <i>Sedum</i> sp records, 2002. Pers. comm. to C.S. Blaney. 2 recs, 2 recs.
1	Basquill, S.P. 2012. 2012 Bryophyte specimen data. Nova Scotia Department of Natural Resources, 37 recs.
1	Basquill, S.P.; Quigley, E. 2006. New <i>Minuartia groenlandica</i> record for NS. Pers. comm. to C.S. Blaney, Oct 6, 1 rec.
1	Basset, I.J. & Crompton, C.W. 1978. The Genus <i>Suaeda</i> (Chenopodiaceae) in Canada. Canadian Journal of Botany, 56: 581-591.
1	Belliveau, A. & Toms, B. 2012. Email regarding <i>Lophiola aurea</i> (Goldencrest) location on Molega Lake, NS. Mersey Tobeatic Research Institute, 3 records.
1	Belliveau, A.G. 2020. Email to Colin Chapman on new NS locations for <i>Allium tricoccum</i> . Chapman, C.J. (ed.) Acadia University.
1	Benjamin, L.K. 2003. <i>Cypripedium arietinum</i> in Cogmagun River NS. Pers. comm. to S. Blaney, 1 rec.
1	Berg, L. 2020. Canada Warbler observations, Birch Lake, NS. pers. comm. to J. Churchill.
1	Bernard, Laurel. 2013. Email to Sean Blaney regarding <i>Listera australis</i> at Lake Rossignol. Nature Conservancy of Canada, 1.
1	Blaney, C.S. Miscellaneous specimens received by ACCDC (botany). Various persons. 2001-08.
1	Brach, A.R. 2019. Correspondence to Sean Blaney regarding <i>Calamagrostis cinnoides</i> specimen from Halifax NS. pers. comm., Harvard University Herbaria, 1 record.
1	Bredin, K.A. 2000. NB & NS Bog Project, fieldwork. Atlantic Canada Conservation Data Centre, Sackville, 1 rec.
1	Breen, A. 2017. 2017 Atlantic Whitefish observation. Coastal Action.
1	Bruce, J. 2014. 2014 Wood Turtle email report, Nine Mile River, NS. NS Department of Natural Resources.
1	Cameron, R.P. 2005. <i>Erioderma pedicellatum</i> unpublished data. NS Dept of Environment, 9 recs.
1	Clayden, S.R. 2020. Email to Sean Blaney regarding <i>Pilophorus cereus</i> and <i>P. fibula</i> at Fidele Lake area, Charlotte County, NB. pers. comm., 2 records.
1	Cook, K. 2016. Wood Turtle record. Pers comm. to Nova Scotia Department of Lands and Forestry.
1	Crowell, A. 2004. <i>Cypripedium arietinum</i> in Weir Brook, Hants Co. Pers. comm. to S. Blaney, 1 rec.
1	Crowell, M. 2013. email to Sean Blaney regarding <i>Listera australis</i> at Bear Head and Mill Cove Canadian Forces Station. Jacques Whitford Environmental Ltd., 2.
1	Crowell, M.J. Plant specimens from Nictaux, NS sent to Sean Blaney for identification. Jacques Whitford Limited. 2005.
1	deGooyer, K. 2018. <i>Chelydra serpentina</i> observation record. Nova Scotia Environment.
1	deGooyer, K. 2019. Snapping Turtle and Eastern White Cedar observations. Nova Scotia Environment.
1	Doucet, D.A. 2007. Lepidopteran Records, 1988-2006. Doucet, 700 recs.
1	Eastman, A. 2019. Snapping Turtle observation at Brookfield, Colchester Co. NS. Halifax Field Naturalists Nova Scotia Nature Archive Facebook Page, 1 record.
1	Edge, Thomas A. 1984. Status report on the Atlantic Whitefish ( <i>Coregonus huntsmani</i> ). Committee on the Status of Endangered Wildlife in Canada.
1	Golder Associates Ltd. 2021. Black Ash location from Goff's Quarry Expansion Environment Assessment, 2017. Golder Associates Ltd., 1 record.
1	Goltz, J.P. 2001. Botany Ramblings April 29-June 30, 2001. N.B. Naturalist, 28 (2): 51-2. 8 recs.
1	Haugthian, S. 2019. <i>Pannaria lurida</i> observations in Nova Scotia and New Brunswick. Nova Scotia Museum.
1	Hill, N. 2014. 2014 Monarch email report, Bridgetown, NS. Fern Hill Institute for Plant Conservation.
1	Hill, N.; Manning, I. 2020. Wild Leek observation, Cornwallis River, NS, floodplain. pers. comm. to J. Churchill.
1	Hill, N.M. 2016. Email communications to Sean Blaney and Alain Belliveau regarding the discovery of <i>Fimbristylis autumnalis</i> on the shores of Loon Lake, Kejimikujik National Park. Pers. comm., 1 rec.
1	Hinds, H.R. 2000. Rare plants of Fundy in Rare Plants of Fundy: maps. Wissink, R. (ed.) Parks Canada, 2 recs.
1	Hope, P. 2002. Field survey of <i>Goodyera pubescens</i> population at Kejimikujik National Park. Kejimikujik National Park, 3 recs.
1	Hope, P. 2007. Water-pennywort ( <i>Hydrocotyle umbellata</i> ) on Ell Island. Parks Canada, Kejimikujik NP, 1 record.
1	Jacques Whitford Ltd. 2003. Canada Lily location. Pers. Comm. to S. Blaney. 2pp, 1 rec, 1 rec.
1	Johnstone, D.; Churchill J. 2014. 2014 Chimney Swift observation, Kejimikujik NP, NS. Atlantic Canada Conservation Data Centre.
1	Kennedy, B. 2019. observations of <i>Crocianthemum canadense</i> at Bangs Falls, Nova Scotia. iNaturalist.ca.
1	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2010. New Brunswick Dept Natural Resources, 16 recs (11 active).
1	Klymko, J.J.D. 2012. Insect field work & submissions. Atlantic Canada Conservation Data Centre, 852 recs.
1	Lautenschlager, R.A. 2010. Miscellaneous observations reported to ACCDC (zoology). Pers. comm. from various persons, 2 recs.
1	MacKinnon, D.; Wright, P.; Smith, D. 2014. 2014 Common Tern email report, Eastern Passage, NS. NS Department of Environment.

# recs	CITATION
1	MacKinnon, D.S. 2002. Fieldwork 2002. Dept of Environment & Labour, Protected Areas Branch, 1 rec.
1	MacKinnon, D.S. 2012. <i>Goodyera pubescens</i> observation, photo. Pers. comm. to S. Blaney, Sep 18, 1 rec.
1	Manning, I. 2020. Peregrine Falcon observation. Pers. comm. to J.L. Churchill.
1	McAlpine, D.F. 1983. Species Record Cards. Fundy National Park, Library, 1 rec.
1	NatureServe Canada. 2018. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
1	Neily, P.D. Plant Specimens. Nova Scotia Dept Natural Resources, Truro. 2006.
1	Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.
1	Neily, T.H. 2004. <i>Hepatica nobilis</i> var. <i>obtusata</i> record for Falmouth NS. Pers. comm. to C.S. Blaney, 1 rec.
1	Newell, R.E. 2004. <i>Hepatica nobilis</i> var. <i>obtusata</i> record. Pers. comm. to S. Blaney, 1 rec.
1	Niel, K. & Majka, C. 2008. New Records of Tiger Beetles (Coleoptera: Carabidae: Cicindelinae) in Nova Scotia. <i>Journal of the Acadian Entomological Society</i> , 4: 3-6.
1	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.
1	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.
1	Payzant, P. 2018. Satyr Comma record from Bible Hill, NS. <a href="https://novascotiabutterflies.ca">https://novascotiabutterflies.ca</a> .
1	Phillips, B. 2017. Emails to John Klymko regarding Eastern Waterfan ( <i>Peltigera hydrothyria</i> ) occurrences in Fundy National Park. Fundy Biosphere Reserve, 3 recs.
1	Riley, J. 2019. Digby County lichen observations. Pers. comm. to J.L. Churchill, 50 recs.
1	Robicheau, C. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
1	Scott, F.W. 1988. Status Report on the Southern Flying Squirrel ( <i>Glaucomys volans</i> ) in Canada. Committee on the Status of Endangered Wildlife in Canada, 2 recs.
1	Shortt, R. UNB specimen data for various tracked species formerly considered secure. Connell Memorial Herbarium, UNB, Fredericton NB. 2019.
1	Skevington, Jeffrey H. 2020. Syrphid records used for the Field Guide to the Flower Flies of Northeastern North America. Canadian National Collection of Insects.
1	Smith, M. 2016. Email regarding additional location of <i>Fimbristylis autumnalis</i> on shores of Loon Lake, Kejimikujik National Park. pers. comm., 1 record.
1	Sollows, M.C.. 2009. NBM Science Collections databases: Coccinellid & Cerambycid Beetles. New Brunswick Museum, Saint John NB, download Feb. 2009, 569 recs.
1	Speers, L. 2008. Butterflies of Canada database: New Brunswick 1897-1999. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 2048 recs.
1	Spicer, C.D. & Harries, H. 2001. Mount Allison Herbarium Specimens. Mount Allison University, 128 recs.
1	Stewart, P. 2013. email to Sean Blaney regarding the discovery of a <i>Listera australis</i> population at Blockhouse. EnviroSphere Consultants Limited, 1.
1	Timmons, M. 2019. Telephone report of <i>Polygala polygama</i> at Aylesford Mountain, Kings Co., NS by Megan Timmons to C.S. Blaney. , 1 record.
1	Toms, Brad. 2009. New <i>Scirpus longii</i> record on Lake Rossignol. Mersey Tobeatic Research Institute.
1	Vinson, N. 2018. Email to S. Blaney regarding new occurrence of <i>Saxifraga paniculata</i> on Point Wolfe River. Parks Canada, 1 record.
1	Vinson, Neil. 2016. Emails to Sean Blaney regarding yellow flower ( <i>Primula veris</i> ) and coastal habitat leaf rosettes ( <i>Primula laurentiana</i> ) in Fundy National Park. pers. comm., 2 rec.
1	Vinson, Neil. 2020. Email - additional <i>Peltigera hydrothyria</i> records, Fundy National Park. Chapman-Lam, Colin J. (ed.) Fundy National Park, 2.
1	Weatherby, C.A. 1942. Two weeks in southwestern Nova Scotia. <i>Rhodora</i> , 44: 229-236.
1	Williams, M. Cape Breton University Digital Herbarium. Cape Breton University Digital Herbarium. 2013.
1	Wilson, G. 2013. 2013 Snapping Turtle email report, Wentworth, NS. Pers. comm.
1	Wissink, R. 2000. Four-toed Salamander Survey results, 2000. Fundy National Park, Internal Documents, 1 rec.