



## **Appendix I.2**

ACCDC Report Touquoy Mine Site  
(Data Report 5433: Moose River Mines, NS),  
September 10, 2015  
Completed for the Updated 2021 Beaver Dam Mine EIS



## DATA REPORT 5433: Moose River Mines, NS

Prepared 10 September 2015  
by J. Churchill, Data Manager

### 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

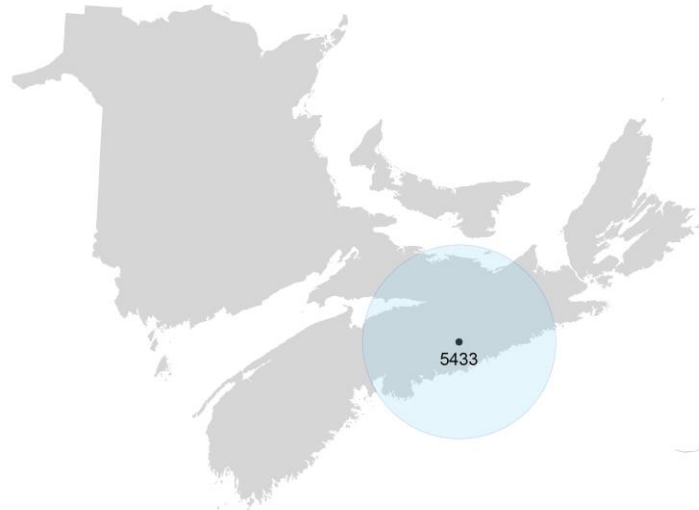
- 3.1 Managed Areas
- 3.2 Significant Areas
- Map 3: Special Areas

#### 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 (ACCDC) 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 ACCDC 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 ACCDC is supported by 6 federal agencies and 4 provincial governments, as well as through outside grants and data processing fees. URL: [www.ACCDC.com](http://www.ACCDC.com).

Upon request and for a fee, the ACCDC 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 ACCDC includes locations of managed areas with some level of protection, and known sites of ecological interest or sensitivity.

### 1.1 DATA LIST

Included datasets:

Filename	Contents
MooseRvMinesNS_5433ob.xls	All Rare and legally protected <i>Flora and Fauna</i> within 5 km of your study area
MooseRvMinesNS_5433ob100km.xls	A list of Rare and legally protected <i>Flora and Fauna</i> within 100 km of your study area
MooseRvMinesNS_5433ma.xls	All <i>Managed Areas</i> in your study area

## 1.2 RESTRICTIONS

The ACCDC 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 ACCDC data, recipients assent to the following limits of use:

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

## 1.3 ADDITIONAL INFORMATION

The attached file DataDictionary 2.1.pdf provides metadata for the data provided.

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

### Plants, Lichens, Ranking Methods, All other Inquiries

Sean Blaney, Senior Scientist, Executive Director

Tel: (506) 364-2658

[sblaney@mta.ca](mailto:sblaney@mta.ca)

### Animals (Fauna)

John Klymko, Zoologist

Tel: (506) 364-2660

[jklymko@mta.ca](mailto:jklymko@mta.ca)

### Plant Communities

Sarah Robinson, Community Ecologist

Tel: (506) 364-2664

[srobinson@mta.ca](mailto:srobinson@mta.ca)

### Data Management, GIS

James Churchill, Data Manager

Tel: (902) 679-6146

[jlchurchill@mta.ca](mailto:jlchurchill@mta.ca)

### Billing

Jean Breau

Tel: (506) 364-2659

[jrbreau@mta.ca](mailto:jrbreau@mta.ca)

Questions on the biology of Federal Species at Risk can be directed to ACCDC: (506) 364-2657, with questions on Species at Risk regulations to: Samara Eaton, Canadian Wildlife Service (NB and PE): (506) 364-5060 or Julie McKnight, Canadian Wildlife Service (NS): (902) 426-4196.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in New Brunswick, please contact Stewart Lusk, Natural Resources: (506) 453-7110.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in Nova Scotia, please contact Sherman Boates, NSDNR: (902) 679-6146. To determine if location-sensitive species (section 4.3) occur near your study site please contact a NSDNR Regional Biologist:

**Western:** Duncan Bayne

(902) 648-3536

[baynedz@gov.ns.ca](mailto:baynedz@gov.ns.ca)

**Western:** Donald Sam

(902) 634-7525

[samdx@gov.ns.ca](mailto:samdx@gov.ns.ca)

**Central:** Shavonne Meyer

(902) 893-6353

[meyersj@gov.ns.ca](mailto:meyersj@gov.ns.ca)

**Central:** Kimberly George

(902) 893-5630

[georgeka@gov.ns.ca](mailto:georgeka@gov.ns.ca)

**Eastern:** Mark Pulsifer

(902) 863-7523

[pulsifmd@gov.ns.ca](mailto:pulsifmd@gov.ns.ca)

**Eastern:** Donald Anderson

(902) 295-3949

[andersdg@gov.ns.ca](mailto:andersdg@gov.ns.ca)

**Eastern:** Terry Power

(902) 563-3370

[powertd@gov.ns.ca](mailto:powertd@gov.ns.ca)

For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Rosemary Curley, PEI Dept. of Agriculture and Forestry: (902) 368-4807.

## 2.0 RARE AND ENDANGERED SPECIES

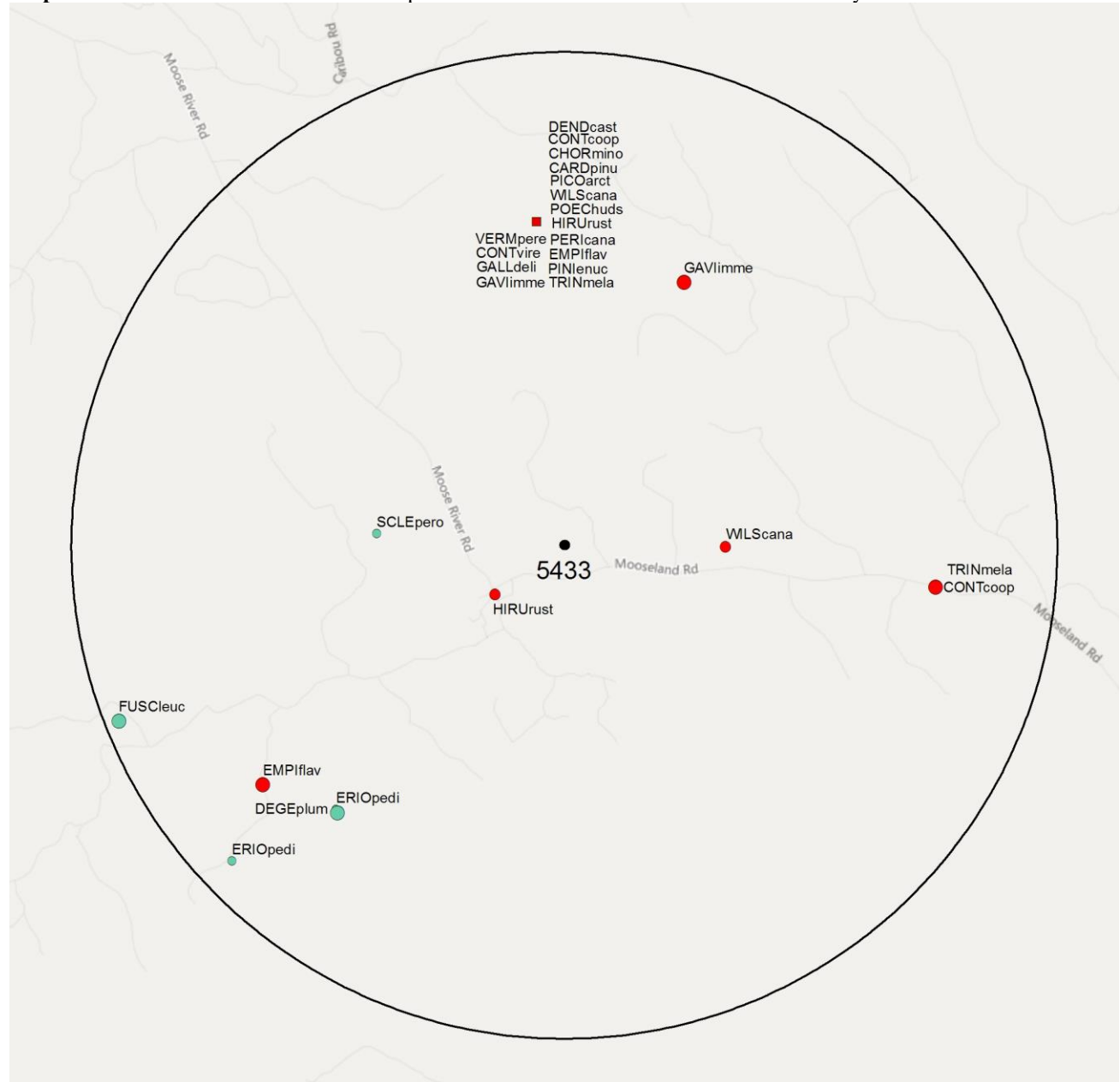
### 2.1 FLORA

A 5 km buffer around the study area contains no records of vascular, 9 records of 4 nonvascular flora (Map 2 and attached: \*ob.xls).

### 2.2 FAUNA

A 5 km buffer around the study area contains 27 records of 16 vertebrate, no records of 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 5 km of 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

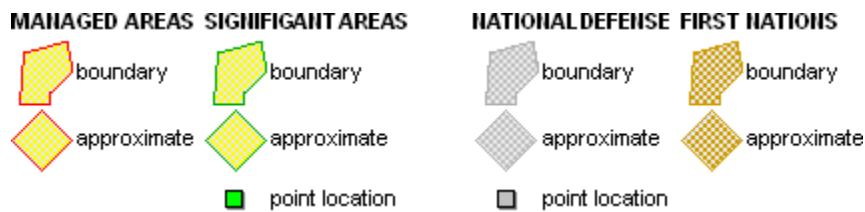
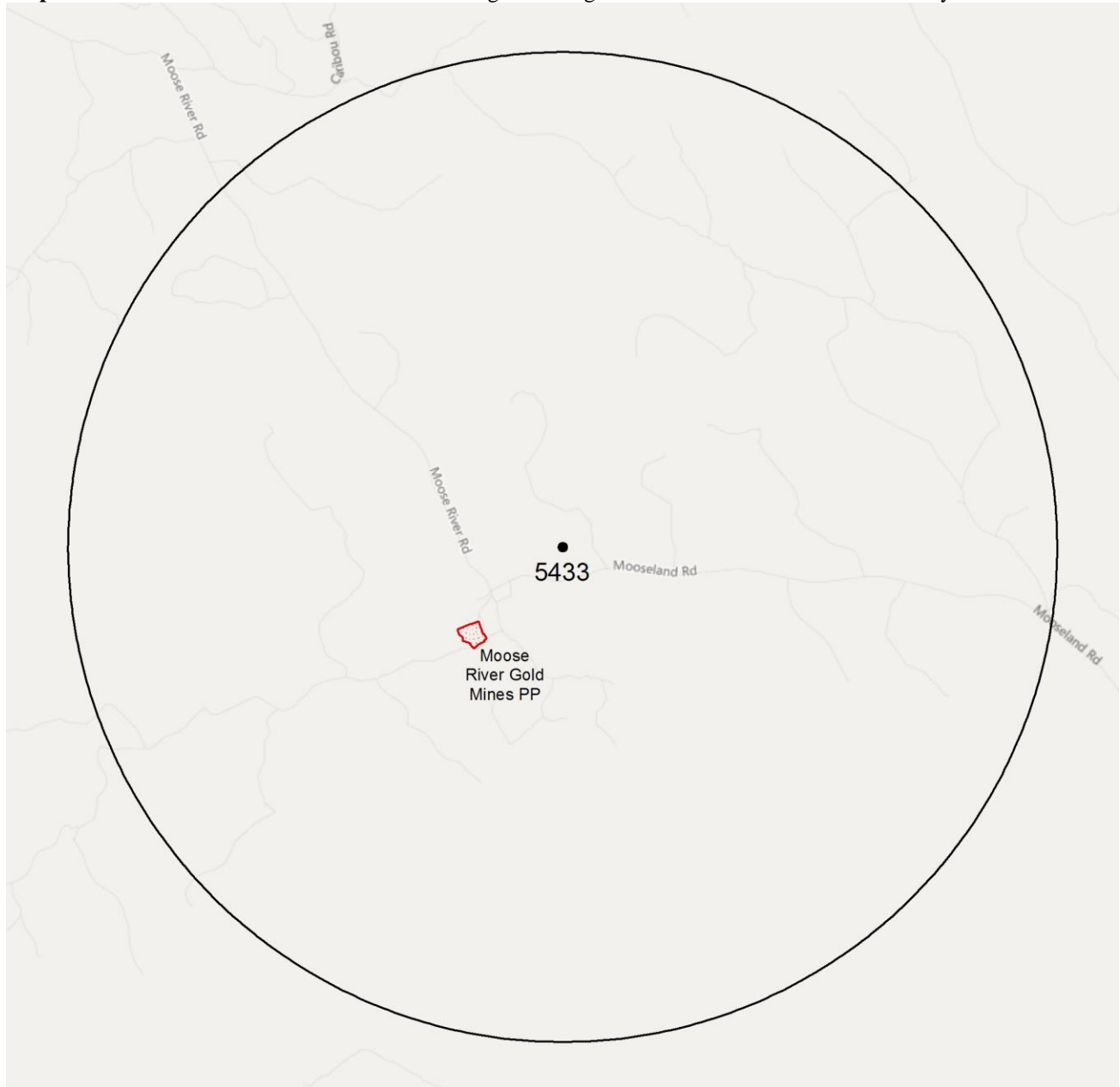
#### 3.1 MANAGED AREAS

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

#### 3.2 SIGNIFICANT AREAS

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

**Map 3:** Boundaries and/or locations of known Managed and Significant Areas within 5 km of the study area.



## 4.0 RARE SPECIES LISTS

Rare and/or endangered taxa (excluding “location-sensitive” species, section 4.3) within the 5 km-buffered 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.

### 4.1 FLORA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1S2	1 At Risk	6	3.5 $\pm$ 0.0
N	<i>Sclerophora peronella</i> (Nova Scotia pop.)	Frosted Glass-whiskers Lichen - Nova Scotia pop.	Special Concern	Special Concern		S1?		1	1.9 $\pm$ 0.0
N	<i>Degelia plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S2	4 Secure	1	3.6 $\pm$ 0.0
N	<i>Fuscopannaria leucosticta</i>	Rimmed Shingles Lichen				S1S2	2 May Be At Risk	1	4.9 $\pm$ 0.0

### 4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened		Endangered	S3B	1 At Risk	3	0.9 $\pm$ 0.0
A	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	Threatened	Endangered	S3B	1 At Risk	2	1.6 $\pm$ 0.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Threatened		Threatened	S3B	1 At Risk	1	3.3 $\pm$ 7.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Threatened	Threatened	Threatened	S3B	1 At Risk	2	3.3 $\pm$ 7.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern		Vulnerable	S3S4B	3 Sensitive	1	3.3 $\pm$ 7.0
A	<i>Gavia immer</i>	Common Loon	Not At Risk			S3B,S4N	2 May Be At Risk	3	2.9 $\pm$ 0.0
A	<i>Poecile hudsonica</i>	Boreal Chickadee				S3	3 Sensitive	3	3.3 $\pm$ 7.0
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3?B,S5N	2 May Be At Risk	1	3.3 $\pm$ 7.0
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S5M	3 Sensitive	2	3.3 $\pm$ 7.0
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	3 Sensitive	1	3.3 $\pm$ 7.0
A	<i>Perisoreus canadensis</i>	Gray Jay				S3S4	3 Sensitive	1	3.3 $\pm$ 7.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B	3 Sensitive	1	3.3 $\pm$ 7.0
A	<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher				S3S4B	3 Sensitive	2	3.3 $\pm$ 7.0
A	<i>Vermivora peregrina</i>	Tennessee Warbler				S3S4B	3 Sensitive	1	3.3 $\pm$ 7.0
A	<i>Dendroica castanea</i>	Bay-breasted Warbler				S3S4B	3 Sensitive	2	3.3 $\pm$ 7.0
A	<i>Carduelis pinus</i>	Pine Siskin				S3S4B,S5N	3 Sensitive	1	3.3 $\pm$ 7.0

### 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 a 5 km buffer of your study area are indicated below with “YES”.

#### Nova Scotia

Scientific Name	Common Name	SARA	Prov Legal Prot	Known within 5 km of 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</i> pop. 1	Peregrine Falcon - anatum/tundrius pop.	Special Concern	Vulnerable	No
<i>Bat Hibernaculum</i>		[Endangered] <sup>1</sup>	[Endangered] <sup>1</sup>	No

<sup>1</sup> *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 ACCDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

# recs	CITATION
23	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
3	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
3	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
2	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
2	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
2	Neily, T.H. 2010. Erioderma Pedicellatum records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
1	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
1	Staff, DNR 2007. Restricted & Limited Use Land Database (RLUL).

#### 5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 15214 records of 114 vertebrate and 938 records of 65 invertebrate fauna; 4281 records of 260 vascular, 541 records of 64 nonvascular flora (attached: \*ob100km.xls).

Rare and/or endangered taxa within the 100 km-buffered 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).

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	1 At Risk	44	15.7 $\pm$ 0.0
A	<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	Endangered	Endangered	Endangered	S1	1 At Risk	5	15.7 $\pm$ 0.0
A	<i>Perimyotis subflavus</i>	Eastern Pipistrelle	Endangered	Endangered	Endangered	S1	1 At Risk	7	40.2 $\pm$ 0.0
A	<i>Morone saxatilis</i> pop. 2	Striped Bass- Bay of Fundy pop.	Endangered			S1	2 May Be At Risk	2	39.4 $\pm$ 0.0
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B	1 At Risk	577	29.0 $\pm$ 0.0
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	1 At Risk	49	31.5 $\pm$ 0.0
A	<i>Dermodochelys coriacea</i> (Atlantic pop.)	Leatherback Sea Turtle - Atlantic pop.	Endangered	Endangered		S1S2N		2	95.3 $\pm$ 5.0
A	<i>Salmo salar</i> pop. 1	Atlantic Salmon - Inner Bay of Fundy pop.	Endangered	Endangered		S2	2 May Be At Risk	25	33.3 $\pm$ 0.0
A	<i>Calidris canutus rufa</i>	Red Knot rufa ssp	Endangered		Endangered	S2S3M	1 At Risk	106	35.2 $\pm$ 0.0
A	<i>Colinus virginianus</i>	Northern Bobwhite	Endangered	Endangered				1	30.9 $\pm$ 0.0
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened			S1?	2 May Be At Risk	3	39.4 $\pm$ 0.0
A	<i>Caprimulgus vociferus</i>	Whip-Poor-Will	Threatened	Threatened	Threatened	S1?B	1 At Risk	9	20.5 $\pm$ 7.0
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened			S1B	5 Undetermined	30	6.1 $\pm$ 0.0
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	3 Sensitive	209	15.5 $\pm$ 1.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B	1 At Risk	148	21.4 $\pm$ 7.0
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened		Endangered	S3B	1 At Risk	729	0.9 $\pm$ 0.0
A	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	Threatened	Endangered	S3B	1 At Risk	606	1.6 $\pm$ 0.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Threatened	Threatened	Threatened	S3B	1 At Risk	351	3.3 $\pm$ 7.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Threatened	Threatened	Threatened	S3B	1 At Risk	672	3.3 $\pm$ 7.0
A	<i>Riparia riparia</i>	Bank Swallow	Threatened			S3B	2 May Be At Risk	266	10.8 $\pm$ 7.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened		Vulnerable	S3S4B	3 Sensitive	356	10.8 $\pm$ 7.0
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S5	4 Secure	7	27.3 $\pm$ 0.0
A	<i>Falco peregrinus</i> pop. 1	Peregrine Falcon - anatum/tundrius	Special Concern	Special Concern	Vulnerable	S1B	3 Sensitive	5	94.6 $\pm$ 0.0
A	<i>Passerculus sandwichensis princeps</i>	Savannah Sparrow princeps ssp	Special Concern	Special Concern		S1B	3 Sensitive	3	35.7 $\pm$ 0.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Bucephala islandica</i> (Eastern pop.)	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern		S1N	1 At Risk	1	83.2 ± 0.0
A	<i>Asio flammeus</i>	Short-eared Owl	Special Concern	Special Concern		S1S2	2 May Be At Risk	6	59.4 ± 0.0
A	<i>Histrionicus histrionicus</i> pop. 1	Harlequin Duck - Eastern pop.	Special Concern	Special Concern	Endangered	S2N	1 At Risk	33	32.0 ± 0.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2S3B	2 May Be At Risk	219	10.3 ± 7.0
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern			S2S3M	3 Sensitive	3	53.5 ± 0.0
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	3 Sensitive	69	5.2 ± 0.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern		Vulnerable	S3S4B	3 Sensitive	489	3.3 ± 7.0
A	<i>Tryngites subruficollis</i>	Buff-breasted Sandpiper	Special Concern			SNA	8 Accidental	2	46.8 ± 0.0
A	<i>Sorex dispar</i>	Long-tailed Shrew	Not At Risk	Special Concern		S1	3 Sensitive	2	82.6 ± 5.0
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SNAN	5 Undetermined	4	64.0 ± 0.0
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	5 Undetermined	7	55.4 ± 7.0
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S1B	5 Undetermined	8	21.4 ± 7.0
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3		1	5.4 ± 100.0
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	4 Secure	27	44.2 ± 0.0
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	3 Sensitive	224	25.9 ± 7.0
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	3 Sensitive	42	10.8 ± 7.0
A	<i>Gavia immer</i>	Common Loon	Not At Risk			S3B,S4N	2 May Be At Risk	650	2.9 ± 0.0
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	4 Secure	88	9.1 ± 0.0
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4		1	96.0 ± 1.0
A	<i>Puma concolor</i> pop. 1	Cougar - Eastern pop.	Data Deficient			SH	5 Undetermined	72	9.2 ± 1.0
A	<i>Alces americanus</i>	Moose			Endangered	S1	1 At Risk	27	18.1 ± 0.0
A	<i>Lasiurus cinereus</i>	Hoary Bat				S1	2 May Be At Risk	2	40.2 ± 0.0
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1?B	5 Undetermined	9	52.8 ± 7.0
A	<i>Vireo gilvus</i>	Warbling Vireo				S1?B	5 Undetermined	15	16.7 ± 7.0
A	<i>Tringa solitaria</i>	Solitary Sandpiper				S1?B,S4S5M	4 Secure	13	31.5 ± 0.0
A	<i>Larus delawarensis</i>	Ring-billed Gull				S1?B,S5N	4 Secure	6	28.9 ± 0.0
A	<i>Gallinula chloropus</i>	Common Moorhen				S1B	5 Undetermined	8	74.0 ± 7.0
A	<i>Progne subis</i>	Purple Martin				S1B	2 May Be At Risk	3	69.8 ± 7.0
A	<i>Fratercula arctica</i>	Atlantic Puffin				S1B,S4S5N	3 Sensitive	2	50.2 ± 7.0
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S5M	4 Secure	307	35.2 ± 0.0
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S1S2	5 Undetermined	3	69.8 ± 7.0
A	<i>Passerina cyanea</i>	Indigo Bunting				S1S2B	5 Undetermined	7	42.4 ± 7.0
A	<i>Eremophila alpestris</i>	Horned Lark				S1S2B,S4N	4 Secure	4	34.1 ± 7.0
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1S2B,S5M	4 Secure	442	31.0 ± 0.0
A	<i>Asio otus</i>	Long-eared Owl				S2	2 May Be At Risk	26	16.7 ± 7.0
A	<i>Salmo salar</i>	Atlantic Salmon				S2	2 May Be At Risk	66	9.1 ± 50.0
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B	5 Undetermined	25	10.3 ± 0.0
A	<i>Anas acuta</i>	Northern Pintail				S2B	2 May Be At Risk	10	42.4 ± 7.0
A	<i>Anas clypeata</i>	Northern Shoveler				S2B	2 May Be At Risk	6	31.0 ± 7.0
A	<i>Anas strepera</i>	Gadwall				S2B	2 May Be At Risk	19	24.5 ± 0.0
A	<i>Rallus limicola</i>	Virginia Rail				S2B	5 Undetermined	25	42.4 ± 7.0
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	3 Sensitive	17	20.5 ± 7.0
A	<i>Myiarchus cinritus</i>	Great Crested Flycatcher				S2B	2 May Be At Risk	14	46.5 ± 7.0
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B	5 Undetermined	15	25.5 ± 7.0
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2B,S4S5N	3 Sensitive	1	70.3 ± 0.0
A	<i>Bucephala clangula</i>	Common Goldeneye				S2B,S5N	4 Secure	118	23.8 ± 7.0
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B	3 Sensitive	10	30.9 ± 0.0
A	<i>Tringa semipalmata</i>	Willet				S2S3B	2 May Be At Risk	468	25.9 ± 7.0
A	<i>Poocetes gramineus</i>	Vesper Sparrow				S2S3B	2 May Be At Risk	24	43.6 ± 7.0
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2S3B	4 Secure	74	10.8 ± 7.0
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B	2 May Be At Risk	43	30.5 ± 7.0
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	3 Sensitive	1	60.3 ± 0.0
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S3	3 Sensitive	56	28.6 ± 7.0
A	<i>Poecile hudsonica</i>	Boreal Chickadee				S3	3 Sensitive	545	3.3 ± 7.0
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3?B	2 May Be At Risk	74	6.7 ± 7.0



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Dendroica tigrina</i>	Cape May Warbler				S3?B	3 Sensitive	115	10.8 ± 7.0
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3?B,S5N	2 May Be At Risk	119	3.3 ± 7.0
A	<i>Podilymbus podiceps</i>	Pied-billed Grebe				S3B	3 Sensitive	89	20.5 ± 7.0
A	<i>Anas discors</i>	Blue-winged Teal				S3B	2 May Be At Risk	76	20.5 ± 7.0
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	2 May Be At Risk	40	30.4 ± 0.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S3B	2 May Be At Risk	210	10.8 ± 7.0
A	<i>Dumetella carolinensis</i>	Gray Catbird				S3B	2 May Be At Risk	313	10.3 ± 7.0
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S3B	4 Secure	24	47.6 ± 7.0
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S5M	3 Sensitive	467	3.3 ± 7.0
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5N	4 Secure	59	16.7 ± 7.0
A	<i>Pluvialis dominica</i>	American Golden-Plover				S3M	3 Sensitive	57	40.7 ± 0.0
A	<i>Numenius phaeopus hudsonicus</i>	Hudsonian Whimbrel				S3M	3 Sensitive	49	31.4 ± 0.0
A	<i>Limosa haemastica</i>	Hudsonian Godwit				S3M	3 Sensitive	31	46.8 ± 0.0
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	3 Sensitive	411	35.2 ± 0.0
A	<i>Calidris maritima</i>	Purple Sandpiper				S3N	3 Sensitive	31	29.2 ± 12.0
A	<i>Cephus grylle</i>	Black Guillemot				S3S4	4 Secure	46	28.4 ± 7.0
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	3 Sensitive	156	3.3 ± 7.0
A	<i>Perisoreus canadensis</i>	Gray Jay				S3S4	3 Sensitive	423	3.3 ± 7.0
A	<i>Cardinalis cardinalis</i>	Northern Cardinal				S3S4	4 Secure	38	47.8 ± 7.0
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B	3 Sensitive	201	10.8 ± 7.0
A	<i>Charadrius vociferus</i>	Killdeer				S3S4B	3 Sensitive	359	10.8 ± 7.0
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B	3 Sensitive	489	6.7 ± 7.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B	3 Sensitive	365	3.3 ± 7.0
A	<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher				S3S4B	3 Sensitive	546	3.3 ± 7.0
A	<i>Sayornis phoebe</i>	Eastern Phoebe				S3S4B	3 Sensitive	157	21.4 ± 7.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B	3 Sensitive	174	10.8 ± 7.0
A	<i>Vermivora peregrina</i>	Tennessee Warbler				S3S4B	3 Sensitive	290	3.3 ± 7.0
A	<i>Dendroica castanea</i>	Bay-breasted Warbler				S3S4B	3 Sensitive	394	3.3 ± 7.0
A	<i>Dendroica striata</i>	Blackpoll Warbler				S3S4B	3 Sensitive	104	18.8 ± 0.0
A	<i>Wilsonia pusilla</i>	Wilson's Warbler				S3S4B	3 Sensitive	71	6.7 ± 7.0
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3S4B	3 Sensitive	264	8.9 ± 0.0
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B	4 Secure	84	25.9 ± 7.0
A	<i>Carduelis pinus</i>	Pine Siskin				S3S4B,S5N	3 Sensitive	314	3.3 ± 7.0
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	4 Secure	1	29.9 ± 0.0
A	<i>Morus bassanus</i>	Northern Gannet				SHB,S5M	4 Secure	2	31.7 ± 0.0
I	<i>Gomphus ventricosus</i>	Skillet Clubtail	Endangered			S1	2 May Be At Risk	2	47.8 ± 0.0
I	<i>Barnea truncata</i>	Atlantic Mud-piddock	Threatened					1	80.9 ± 1.0
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern		Threatened	S1S2	3 Sensitive	16	36.2 ± 1.0
I	<i>Danaus plexippus</i>	Monarch	Special Concern	Special Concern		S2B	3 Sensitive	59	12.5 ± 0.0
I	<i>Lycaena hyllus</i>	Bronze Copper				S1	4 Secure	4	52.2 ± 1.0
I	<i>Satyrium acadica</i>	Acadian Hairstreak				S1	5 Undetermined	6	79.0 ± 1.0
I	<i>Plebejus saepiolus</i>	Greenish Blue				S1	1 At Risk	1	67.0 ± 1.0
I	<i>Polygonia satyrus</i>	Satyr Comma				S1	3 Sensitive	2	68.0 ± 1.0
I	<i>Polygonia gracilis</i>	Hoary Comma				S1	3 Sensitive	2	49.5 ± 1.0
I	<i>Oeneis jutta</i>	Jutta Arctic				S1	2 May Be At Risk	6	74.3 ± 1.0
I	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S1	2 May Be At Risk	2	86.7 ± 0.0
I	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S1	2 May Be At Risk	2	41.0 ± 0.0
I	<i>Neurocordulia michaeli</i>	Broadtailed Shadowdragon				S1		26	43.0 ± 0.0
I	<i>Somatochlora brevicincta</i>	Quebec Emerald				S1	2 May Be At Risk	1	42.0 ± 0.0
I	<i>Somatochlora franklini</i>	Delicate Emerald				S1	3 Sensitive	2	74.3 ± 1.0
I	<i>Williamsonia fletcheri</i>	Ebony Boghaunter				S1	2 May Be At Risk	4	94.8 ± 0.0
I	<i>Coenagrion resolutum</i>	Taiga Bluet				S1	2 May Be At Risk	2	56.6 ± 1.0
I	<i>Enallagma signatum</i>	Orange Bluet				S1	2 May Be At Risk	3	55.6 ± 0.0
I	<i>Callophrys lanoraieensis</i>	Bog Elfin				S1S2	2 May Be At Risk	7	30.4 ± 0.0
I	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S1S2	4 Secure	9	49.5 ± 1.0
I	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S1S2	2 May Be At Risk	19	27.6 ± 0.0
I	<i>Somatochlora kennedyi</i>	Kennedy's Emerald				S1S2	2 May Be At Risk	3	60.0 ± 1.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
	<i>Stylurus scudderii</i>	Zebra Clubtail				S1S2	2 May Be At Risk	4	27.6 ± 0.0
	<i>Thorybes pylades</i>	Northern Cloudywing				S2	3 Sensitive	13	57.6 ± 0.0
	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S2	4 Secure	22	8.8 ± 0.0
	<i>Amblyscirtes vialis</i>	Common Roadside-Skipper				S2	4 Secure	12	24.9 ± 0.0
	<i>Pieris oleracea</i>	Mustard White				S2	3 Sensitive	55	13.0 ± 0.0
	<i>Lycaena dospassosi</i>	Salt Marsh Copper				S2	1 At Risk	10	84.2 ± 0.0
	<i>Satyrrium calanus falacer</i>	Banded Hairstreak				S2	1 At Risk	2	67.4 ± 0.0
	<i>Callophrys henrici</i>	Henry's Elfin				S2	4 Secure	17	14.6 ± 0.0
	<i>Callophrys niphon</i>	Eastern Pine Elfin				S2	4 Secure	15	56.7 ± 1.0
	<i>Boloria chariclea</i>	Arctic Fritillary				S2	3 Sensitive	3	64.8 ± 1.0
	<i>Polygonia comma</i>	Eastern Comma				S2	1 At Risk	9	64.8 ± 1.0
	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2	4 Secure	7	49.8 ± 1.0
	<i>Gomphus descriptus</i>	Harpoon Clubtail				S2	3 Sensitive	1	95.4 ± 1.0
	<i>Epiheca princeps</i>	Prince Baskettail				S2	3 Sensitive	9	50.4 ± 0.0
	<i>Somatochlora forcipata</i>	Forcipate Emerald				S2	2 May Be At Risk	3	60.0 ± 1.0
	<i>Lampsilis radiata</i>	Eastern Lampmussel				S2	3 Sensitive	41	26.6 ± 0.0
	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2B	3 Sensitive	7	60.0 ± 1.0
	<i>Erynnis juvenalis</i>	Juvenal's Duskywing				S2S3	4 Secure	33	54.2 ± 0.0
	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	4 Secure	24	18.8 ± 0.0
	<i>Hesperia comma</i>	Common Branded Skipper				S3	4 Secure	34	23.4 ± 1.0
	<i>Satyrrium liparops</i>	Striped Hairstreak				S3	5 Undetermined	5	13.0 ± 0.0
	<i>Satyrrium liparops strigosum</i>	Striped Hairstreak				S3	3 Sensitive	2	67.4 ± 0.0
	<i>Euphydryas phaeton</i>	Baltimore Checkerspot				S3	4 Secure	21	33.7 ± 0.0
	<i>Polygonia faunus</i>	Green Comma				S3	4 Secure	16	42.7 ± 0.0
	<i>Lethe anthedon</i>	Northern Pearly-Eye				S3	4 Secure	54	13.0 ± 0.0
	<i>Lanthus parvulus</i>	Northern Pygmy Clubtail				S3	4 Secure	30	49.2 ± 5.0
	<i>Ophiogomphus carolus</i>	Riffle Snaketail				S3	4 Secure	26	22.4 ± 1.0
	<i>Aeshna clepsydra</i>	Mottled Darner				S3	4 Secure	12	31.2 ± 1.0
	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3	4 Secure	18	26.3 ± 1.0
	<i>Boyeria grafiana</i>	Ocellated Darner				S3	3 Sensitive	7	56.2 ± 1.0
	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3	3 Sensitive	5	61.6 ± 1.0
	<i>Somatochlora tenebrosa</i>	Clamp-Tipped Emerald				S3	4 Secure	12	42.3 ± 0.0
	<i>Nannothemis bella</i>	Elfin Skimmer				S3	4 Secure	13	44.3 ± 0.0
	<i>Sympetrum danae</i>	Black Meadowhawk				S3	3 Sensitive	4	80.7 ± 1.0
	<i>Amphiagrion saucium</i>	Eastern Red Damselfly				S3	4 Secure	2	45.7 ± 0.0
	<i>Satyrrium calanus</i>	Banded Hairstreak				S3B	4 Secure	9	62.3 ± 5.0
	<i>Polygonia interrogationis</i>	Question Mark				S3B	4 Secure	104	13.0 ± 0.0
	<i>Feniseca tarquinius</i>	Harvester				S3S4	4 Secure	45	38.3 ± 1.0
	<i>Callophrys polios</i>	Hoary Elfin				S3S4	4 Secure	16	53.3 ± 1.0
	<i>Speyeria cybele</i>	Great Spangled Fritillary				S3S4	4 Secure	1	50.4 ± 5.0
	<i>Speyeria cybele cybele</i>	Great Spangled Fritillary				S3S4	4 Secure	1	84.6 ± 0.0
	<i>Speyeria aphrodite</i>	Aphrodite Fritillary				S3S4	4 Secure	12	49.5 ± 1.0
	<i>Polygonia progne</i>	Grey Comma				S3S4	4 Secure	23	11.9 ± 0.0
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered		Endangered	S1S2	2 May Be At Risk	5	10.9 ± 0.0
N	<i>Erioderma pedicellatum (Atlantic pop.)</i>	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1S2	1 At Risk	350	3.5 ± 0.0
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened			S1S2	2 May Be At Risk	3	54.3 ± 1.0
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Special Concern			S1?	1 At Risk	3	81.1 ± 1.0
N	<i>Sclerophora peronella (Nova Scotia pop.)</i>	Frosted Glass-whiskers Lichen - Nova Scotia pop.	Special Concern	Special Concern		S1?		9	1.9 ± 0.0
N	<i>Degelia plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S2	4 Secure	30	3.6 ± 0.0
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	3 Sensitive	6	18.6 ± 0.0
N	<i>Aloina brevirostris</i>	Short-Beaked Rigid Screw Moss				S1		1	86.9 ± 2.0
N	<i>Aloina rigida</i>	Aloe-Like Rigid Screw Moss				S1	2 May Be At Risk	3	86.4 ± 0.0
N	<i>Bryohaplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1		1	57.6 ± 5.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S1	2 May Be At Risk	4	90.5 ± 0.0
N	<i>Fuscopannaria leucosticta</i>	Rimmed Shingles Lichen				S1S2	2 May Be At Risk	4	4.9 ± 0.0
N	<i>Leptogium lichenoides</i>	Tattered Jellyskin Lichen				S1S2	2 May Be At Risk	5	90.7 ± 0.0
N	<i>Peltigera lepidophora</i>	Scaly Pelt Lichen				S1S2	2 May Be At Risk	1	91.2 ± 0.0
N	<i>Leptogium subtile</i>	Appressed Jellyskin Lichen				S1S3	3 Sensitive	1	39.3 ± 0.0
N	<i>Anacamptodon splachnoides</i>	a Moss				S2?	3 Sensitive	1	65.1 ± 30.0
N	<i>Anomodon viticulosus</i>	a Moss				S2?	3 Sensitive	1	89.4 ± 5.0
N	<i>Weissia muhlenbergiana</i>	a Moss				S2?	3 Sensitive	4	91.7 ± 1.0
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	3 Sensitive	2	52.0 ± 2.0
N	<i>Aulacomnium heterostichum</i>	One-sided Groove Moss				S2?	3 Sensitive	2	86.9 ± 2.0
N	<i>Bryum algovicum</i>	a Moss				S2?	3 Sensitive	1	86.9 ± 2.0
N	<i>Conardia compacta</i>	Coast Creeping Moss				S2?	3 Sensitive	1	95.0 ± 2.0
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	3 Sensitive	1	68.5 ± 1.0
N	<i>Drummondia prorepens</i>	a Moss				S2?	3 Sensitive	1	97.9 ± 5.0
N	<i>Eurhynchium hians</i>	Light Beaked Moss				S2?	3 Sensitive	3	21.4 ± 25.0
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S2?	3 Sensitive	2	86.9 ± 2.0
N	<i>Anomodon tristis</i>	a Moss				S2?	3 Sensitive	2	23.6 ± 15.0
N	<i>Kiaeria starkei</i>	Starke's Fork Moss				S2?	3 Sensitive	1	25.9 ± 10.0
N	<i>Mnium thomsonii</i>	Thomson's Leafy Moss				S2?	3 Sensitive	1	91.7 ± 2.0
N	<i>Paludella squarrosa</i>	Tufted Fen Moss				S2?	3 Sensitive	2	81.6 ± 0.0
N	<i>Saelania glaucescens</i>	Blue Dew Moss				S2?	3 Sensitive	1	76.1 ± 0.0
N	<i>Sematophyllum demissum</i>	a Moss				S2?	3 Sensitive	1	56.7 ± 2.0
N	<i>Sematophyllum marylandicum</i>	a Moss				S2?	3 Sensitive	2	52.6 ± 6.0
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2?	3 Sensitive	1	26.6 ± 2.0
N	<i>Thelia hirtella</i>	a Moss				S2?	3 Sensitive	1	92.8 ± 12.0
N	<i>Timmia megapolitana</i>	Metropolitan Timmia Moss				S2?	3 Sensitive	3	80.6 ± 0.0
N	<i>Zygodon conoideus</i>	a Moss				S2?	3 Sensitive	1	31.8 ± 5.0
N	<i>Cyrtio-hypnum minutulum</i>	Tiny Cedar Moss				S2?	3 Sensitive	1	31.5 ± 0.0
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	3 Sensitive	2	61.9 ± 5.0
N	<i>Platylomella lescurii</i>	a Moss				S2?	3 Sensitive	3	98.5 ± 0.0
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S2S3	3 Sensitive	1	82.3 ± 3.0
N	<i>Ephemerum serratum</i>	a Moss				S2S3	3 Sensitive	2	86.9 ± 3.0
N	<i>Hygrohypnum luridum</i>	Drab Brook Moss				S2S3	3 Sensitive	1	98.5 ± 1.0
N	<i>Leucodon andrewsianus</i>	a Moss				S2S3	3 Sensitive	7	31.5 ± 0.0
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S2S3	3 Sensitive	1	76.1 ± 0.0
N	<i>Orthotrichum anomalum</i>	Anomalous Bristle Moss				S2S3	3 Sensitive	1	96.6 ± 2.0
N	<i>Pleurodium subulatum</i>	a Moss				S2S3	3 Sensitive	1	69.9 ± 10.0
N	<i>Tortula truncata</i>	a Moss				S2S3	3 Sensitive	1	28.5 ± 300.0
N	<i>Sphagnum wulfianum</i>	Wulf's Peat Moss				S2S3	3 Sensitive	10	8.0 ± 0.0
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S2S3	3 Sensitive	1	26.6 ± 2.0
N	<i>Limprichtia revolvens</i>	a Moss				S2S3	3 Sensitive	2	81.6 ± 0.0
N	<i>Hylocomiastrum pyrenaicum</i>	a Feather Moss				S2S3	3 Sensitive	1	65.9 ± 0.0
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S2S3	3 Sensitive	4	5.4 ± 0.0
N	<i>Leptogium teretiusculum</i>	Beaded Jellyskin Lichen				S2S3	3 Sensitive	3	45.7 ± 0.0
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S2S3	3 Sensitive	13	9.1 ± 0.0
N	<i>Physconia deterosa</i>	Bottlebrush Frost Lichen				S2S3	3 Sensitive	1	5.6 ± 0.0
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S2S3	3 Sensitive	3	9.8 ± 0.0
N	<i>Cladina stygia</i>	Black-footed Reindeer Lichen				S2S3	3 Sensitive	2	10.7 ± 0.0
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S2S3	3 Sensitive	1	90.6 ± 2.0
N	<i>Usnea flammaea</i>	Coastal Bushy Beard Lichen				S2S3	3 Sensitive	1	75.9 ± 1.0
N	<i>Anzia colpodes</i>	Black-foam Lichen				S3?	3 Sensitive	2	5.6 ± 0.0
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3?	3 Sensitive	12	9.3 ± 0.0
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3?	3 Sensitive	1	37.0 ± 0.0
N	<i>Collema furfuraceum</i>	Blistered Tarpaper Lichen				S3?	3 Sensitive	2	18.0 ± 0.0
P	<i>Juglans cinerea</i>	Butternut	Endangered	Endangered		SNA	7 Exotic	1	78.6 ± 0.0
P	<i>Bartonia paniculata ssp. paniculata</i>	Branched Bartonia	Threatened	Threatened		SNA		1	25.2 ± 10.0
P	<i>Liatris spicata</i>	Dense Blazing Star	Threatened	Threatened				1	63.9 ± 0.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Special Concern	Special Concern	Vulnerable	S1	1 At Risk	2	63.0 ± 0.0
P	<i>Isoetes prototypus</i>	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S2	3 Sensitive	13	82.5 ± 0.0
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2	3 Sensitive	1	47.8 ± 7.0
P	<i>Helianthemum canadense</i>	Long-branched Frostweed			Endangered	S1	At Risk	2	77.9 ± 1.0
P	<i>Cypripedium arietinum</i>	Ram's-Head Lady's-Slipper			Endangered	S1	1 At Risk	157	84.0 ± 2.0
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S1	At Risk	6	49.2 ± 0.0
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1	2 May Be At Risk	7	54.1 ± 10.0
P	<i>Zizia aurea</i>	Golden Alexanders				S1	2 May Be At Risk	36	16.5 ± 1.0
P	<i>Antennaria parlinii</i>	a Pussytoes				S1	2 May Be At Risk	8	61.7 ± 7.0
P	<i>Cynoglossum virginianum var. boreale</i>	Wild Comfrey				S1	2 May Be At Risk	3	87.9 ± 1.0
P	<i>Cardamine maxima</i>	Large Toothwort				S1	2 May Be At Risk	1	59.0 ± 0.0
P	<i>Cochlearia tridactylites</i>	Limestone Scurvy-grass				S1	2 May Be At Risk	8	58.7 ± 0.0
P	<i>Lobelia spicata</i>	Pale-Spiked Lobelia				S1	2 May Be At Risk	1	66.3 ± 7.0
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S1	2 May Be At Risk	5	79.1 ± 7.0
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S1	2 May Be At Risk	20	48.7 ± 0.0
P	<i>Desmodium glutinosum</i>	Large Tick-Trefoil				S1	2 May Be At Risk	6	80.2 ± 0.0
P	<i>Ribes americanum</i>	Wild Black Currant				S1	5 Undetermined	4	50.5 ± 5.0
P	<i>Proserpinaca intermedia</i>	Intermediate Mermaidweed				S1	2 May Be At Risk	1	28.8 ± 0.0
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	2 May Be At Risk	3	71.6 ± 5.0
P	<i>Polygala polygama</i>	Racemed Milkwort				S1	5 Undetermined	1	64.5 ± 1.0
P	<i>Polygonum careyi</i>	Carey's Smartweed				S1	5 Undetermined	1	30.9 ± 3.0
P	<i>Montia fontana</i>	Water Blinks				S1	2 May Be At Risk	1	66.1 ± 1.0
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	5 Undetermined	1	82.8 ± 0.0
P	<i>Ranunculus pensylvanicus</i>	Pennsylvania Buttercup				S1	2 May Be At Risk	1	90.7 ± 0.0
P	<i>Salix serissima</i>	Autumn Willow				S1	2 May Be At Risk	1	19.7 ± 0.0
P	<i>Dirca palustris</i>	Eastern Leatherwood				S1	2 May Be At Risk	47	41.8 ± 1.0
P	<i>Boehmeria cylindrica</i>	Small-spike False-nettle				S1	2 May Be At Risk	2	41.0 ± 0.0
P	<i>Pilea pumila</i>	Dwarf Clearweed				S1	2 May Be At Risk	4	38.9 ± 0.0
P	<i>Carex garberi</i>	Garber's Sedge				S1	2 May Be At Risk	4	48.0 ± 0.0
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S1	2 May Be At Risk	2	19.7 ± 0.0
P	<i>Carex haydenii</i>	Hayden's Sedge				S1	2 May Be At Risk	2	51.9 ± 1.0
P	<i>Carex pellita</i>	Woolly Sedge				S1	2 May Be At Risk	10	13.3 ± 10.0
P	<i>Carex livida var. radicaulis</i>	Livid Sedge				S1	2 May Be At Risk	1	95.0 ± 10.0
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	2 May Be At Risk	3	35.2 ± 0.0
P	<i>Carex viridula var. saxilittoralis</i>	Greenish Sedge				S1	May Be At Risk	4	30.6 ± 2.0
P	<i>Cyperus lupulinus ssp. macilentus</i>	Hop Flatsedge				S1	2 May Be At Risk	2	80.0 ± 0.0
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	2 May Be At Risk	2	77.3 ± 7.0
P	<i>Juncus vaseyi</i>	Vasey Rush				S1	2 May Be At Risk	1	47.5 ± 0.0
P	<i>Allium tricoccum</i>	Wild Leek				S1	2 May Be At Risk	8	53.9 ± 0.0
P	<i>Malaxis brachypoda</i>	White Adder's-Mouth				S1	2 May Be At Risk	1	99.2 ± 1.0
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S1	2 May Be At Risk	28	26.3 ± 0.0
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S1	2 May Be At Risk	19	26.1 ± 0.0
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S1	2 May Be At Risk	17	26.1 ± 0.0
P	<i>Elymus hystrix var. bigeloviana</i>	Spreading Wild Rye				S1	2 May Be At Risk	10	35.4 ± 1.0
P	<i>Festuca subverticillata</i>	Nodding Fescue				S1	2 May Be At Risk	5	59.1 ± 1.0
P	<i>Potamogeton nodosus</i>	Long-leaved Pondweed				S1	2 May Be At Risk	1	73.6 ± 5.0
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	2 May Be At Risk	9	52.0 ± 1.0
P	<i>Botrychium lunaria</i>	Common Moonwort				S1	2 May Be At Risk	3	50.7 ± 2.0
P	<i>Selaginella rupestris</i>	Rock Spikemoss				S1	2 May Be At Risk	1	87.2 ± 0.0
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	2 May Be At Risk	2	37.8 ± 7.0
P	<i>Suaeda rolandii</i>	Roland's Sea-Blite				S1?	2 May Be At Risk	2	88.2 ± 2.0
P	<i>Crataegus robinsonii</i>	Robinson's Hawthorn				S1?	5 Undetermined	3	50.5 ± 5.0
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S1?	5 Undetermined	7	50.4 ± 7.0
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	May Be At Risk	1	48.8 ± 0.0
P	<i>Dichanthelium acuminatum var. lindheimeri</i>	Woolly Panic Grass				S1?	5 Undetermined	1	69.7 ± 0.0
P	<i>Huperzia selago</i>	Northern Firmoss				S1?	May Be At Risk	5	59.0 ± 5.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
P	<i>Fraxinus nigra</i>	Black Ash			Threatened	S1S2	At Risk	103	19.1 ± 0.0
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S1S2	May Be At Risk	8	44.5 ± 7.0
P	<i>Chenopodium rubrum</i>	Red Pigweed				S1S2	May Be At Risk	4	30.6 ± 2.0
P	<i>Anemone virginiana var. alba</i>	Virginia Anemone				S1S2	3 Sensitive	5	48.9 ± 5.0
P	<i>Hepatica nobilis var. obtusa</i>	Round-lobed Hepatica				S1S2	May Be At Risk	39	22.9 ± 1.0
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S1S2	2 May Be At Risk	20	60.4 ± 0.0
P	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop				S1S2	3 Sensitive	5	30.4 ± 0.0
P	<i>Juncus greenii</i>	Greene's Rush				S1S2	2 May Be At Risk	5	54.5 ± 1.0
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S1S2	May Be At Risk	3	90.3 ± 0.0
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	5 Undetermined	2	33.6 ± 0.0
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S2	3 Sensitive	2	60.5 ± 5.0
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2	May Be At Risk	18	49.4 ± 5.0
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2	3 Sensitive	2	16.1 ± 1.0
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S2	3 Sensitive	3	48.2 ± 0.0
P	<i>Iva frutescens ssp. oraria</i>	Big-leaved Marsh-elder				S2	Sensitive	2	94.0 ± 1.0
P	<i>Lactuca hirsuta var. sanguinea</i>	Hairy Lettuce				S2	3 Sensitive	1	40.4 ± 7.0
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S2	3 Sensitive	20	29.1 ± 0.0
P	<i>Symphyotrichum undulatum</i>	Wavy-leaved Aster				S2	3 Sensitive	5	65.9 ± 7.0
P	<i>Symphyotrichum ciliolatum</i>	Fringed Blue Aster				S2	Sensitive	16	17.7 ± 3.0
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2	3 Sensitive	1	90.7 ± 7.0
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2	2 May Be At Risk	54	30.9 ± 0.0
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S2	3 Sensitive	22	9.0 ± 0.0
P	<i>Arabis drummondii</i>	Drummond's Rockcress				S2	3 Sensitive	7	47.9 ± 0.0
P	<i>Cardamine parviflora var. arenicola</i>	Small-flowered Bittercress				S2	3 Sensitive	6	30.0 ± 0.0
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2	3 Sensitive	7	19.6 ± 0.0
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S2	Sensitive	12	17.7 ± 0.0
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	3 Sensitive	20	62.3 ± 7.0
P	<i>Hypericum majus</i>	Large St John's-wort				S2	Sensitive	3	61.4 ± 0.0
P	<i>Crassula aquatica</i>	Water Pygmyweed				S2	3 Sensitive	1	95.5 ± 0.0
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2	3 Sensitive	9	26.4 ± 0.0
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S2	3 Sensitive	3	26.8 ± 0.0
P	<i>Oenothera fruticosa ssp. glauca</i>	Narrow-leaved Evening Primrose				S2	5 Undetermined	5	52.8 ± 7.0
P	<i>Polygonum arifolium</i>	Halberd-leaved Tearthumb				S2	3 Sensitive	3	95.6 ± 0.0
P	<i>Rumex salicifolius var. mexicanus</i>	Triangular-valve Dock				S2	3 Sensitive	2	33.1 ± 0.0
P	<i>Primula mistassinica</i>	Mistassini Primrose				S2	3 Sensitive	16	26.2 ± 1.0
P	<i>Anemone canadensis</i>	Canada Anemone				S2	2 May Be At Risk	1	80.6 ± 7.0
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2	3 Sensitive	17	26.4 ± 0.0
P	<i>Anemone virginiana</i>	Virginia Anemone				S2	3 Sensitive	17	48.9 ± 0.0
P	<i>Anemone virginiana var. virginiana</i>	Virginia Anemone				S2	3 Sensitive	2	45.0 ± 7.0
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2	3 Sensitive	1	82.6 ± 0.0
P	<i>Galium boreale</i>	Northern Bedstraw				S2	2 May Be At Risk	3	88.2 ± 5.0
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S2	3 Sensitive	34	19.2 ± 0.0
P	<i>Salix pedicellaris</i>	Bog Willow				S2	3 Sensitive	35	14.7 ± 0.0
P	<i>Salix sericea</i>	Silky Willow				S2	2 May Be At Risk	1	50.7 ± 1.0
P	<i>Tiarella cordifolia</i>	Heart-leaved Foamflower				S2	3 Sensitive	217	21.7 ± 5.0
P	<i>Agalinis maritima</i>	Saltmarsh Agalinis				S2	Sensitive	1	59.9 ± 0.0
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S2	3 Sensitive	8	16.5 ± 1.0
P	<i>Carex bebbii</i>	Bebb's Sedge				S2	Sensitive	12	48.7 ± 0.0
P	<i>Carex castanea</i>	Chestnut Sedge				S2	2 May Be At Risk	3	19.7 ± 0.0
P	<i>Carex comosa</i>	Bearded Sedge				S2	3 Sensitive	4	59.3 ± 0.0
P	<i>Carex hystericina</i>	Porcupine Sedge				S2	2 May Be At Risk	2	83.6 ± 0.0
P	<i>Carex tenera</i>	Tender Sedge				S2	Sensitive	6	52.3 ± 0.0
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S2	Sensitive	24	68.6 ± 0.0
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S2	3 Sensitive	4	47.6 ± 7.0
P	<i>Vallisneria americana</i>	Wild Celery				S2	2 May Be At Risk	4	26.3 ± 7.0
P	<i>Allium schoenoprasum var. sibiricum</i>	Wild Chives				S2	2 May Be At Risk	1	52.8 ± 7.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
P	<i>Lilium canadense</i>	Canada Lily				S2	May Be At Risk	98	28.2 ± 1.0
P	<i>Najas gracillima</i>	Thread-Like Naiad				S2	Sensitive	2	78.3 ± 0.0
P	<i>Cypripedium parviflorum var. pubescens</i>	Yellow Lady's-slipper				S2	3 Sensitive	9	62.6 ± 7.0
P	<i>Cypripedium parviflorum var. makasin</i>	Small Yellow Lady's-Slipper				S2	3 Sensitive	3	90.3 ± 0.0
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	2 May Be At Risk	28	16.5 ± 1.0
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2	Sensitive	7	34.6 ± 1.0
P	<i>Platanthera flava var. herbiola</i>	Pale Green Orchid				S2	3 Sensitive	8	54.3 ± 7.0
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	3 Sensitive	11	60.1 ± 1.0
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2	May Be At Risk	25	39.3 ± 1.0
P	<i>Dichantherium linearifolium</i>	Narrow-leaved Panic Grass				S2	Sensitive	5	47.9 ± 0.0
P	<i>Piptatherum canadense</i>	Canada Rice Grass				S2	3 Sensitive	8	30.9 ± 3.0
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2	2 May Be At Risk	2	48.9 ± 5.0
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S2	May Be At Risk	5	64.1 ± 7.0
P	<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort				S2	3 Sensitive	1	87.4 ± 7.0
P	<i>Dryopteris fragrans var. remotiuscula</i>	Fragrant Wood Fern				S2	3 Sensitive	4	57.0 ± 7.0
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S2	3 Sensitive	1	77.6 ± 1.0
P	<i>Symphotrichum boreale</i>	Boreal Aster				S2?	3 Sensitive	4	52.8 ± 7.0
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	Undetermined	3	74.4 ± 1.0
P	<i>Epilobium coloratum</i>	Purple-veined Willowherb				S2?	3 Sensitive	2	68.5 ± 0.0
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	2 May Be At Risk	4	34.8 ± 0.0
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2?	3 Sensitive	6	65.1 ± 0.0
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2?	Sensitive	7	27.6 ± 0.0
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S2S3	Sensitive	3	15.4 ± 2.0
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S2S3	4 Secure	38	30.2 ± 0.0
P	<i>Sagina nodosa ssp. borealis</i>	Knotted Pearlwort				S2S3	4 Secure	6	31.8 ± 0.0
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S2S3	Sensitive	2	26.6 ± 0.0
P	<i>Hypericum dissimulatum</i>	Disguised St John's-wort				S2S3	3 Sensitive	3	59.8 ± 0.0
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S2S3	Sensitive	79	47.8 ± 7.0
P	<i>Shepherdia canadensis</i>	Soapberry				S2S3	Sensitive	71	80.6 ± 7.0
P	<i>Empetrum eamesii ssp. atropurpureum</i>	Pink Crowberry				S2S3	3 Sensitive	5	62.1 ± 7.0
P	<i>Empetrum eamesii ssp. eamesii</i>	Pink Crowberry				S2S3	3 Sensitive	5	62.1 ± 7.0
P	<i>Chamaesyce polygonifolia</i>	Seaside Spurge				S2S3	Sensitive	1	88.5 ± 2.0
P	<i>Halenia deflexa</i>	Spurred Gentian				S2S3	3 Sensitive	4	75.6 ± 1.0
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	3 Sensitive	5	5.4 ± 5.0
P	<i>Polygala sanguinea</i>	Blood Milkwort				S2S3	3 Sensitive	18	27.2 ± 5.0
P	<i>Polygonum buxiforme</i>	Small's Knotweed				S2S3	5 Undetermined	5	52.8 ± 7.0
P	<i>Plantago rugelii</i>	Rugel's Plantain				S2S3	Secure	7	28.5 ± 0.0
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	Sensitive	1	51.3 ± 5.0
P	<i>Galium aparine</i>	Common Bedstraw				S2S3	Sensitive	15	29.0 ± 0.0
P	<i>Salix pellita</i>	Satiny Willow				S2S3	Sensitive	4	30.7 ± 0.0
P	<i>Veronica serpyllifolia ssp. humifusa</i>	Thyme-Leaved Speedwell				S2S3	Sensitive	1	56.3 ± 0.0
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	3 Sensitive	7	30.9 ± 7.0
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S2S3	Sensitive	47	25.9 ± 4.0
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	Sensitive	1	36.7 ± 1.0
P	<i>Carex swanii</i>	Swan's Sedge				S2S3	3 Sensitive	2	57.4 ± 0.0
P	<i>Eleocharis olivacea</i>	Yellow Spikerush				S2S3	3 Sensitive	5	29.1 ± 0.0
P	<i>Elodea canadensis</i>	Canada Waterweed				S2S3	Secure	5	41.3 ± 0.0
P	<i>Coeloglossum viride var. virescens</i>	Long-bracted Frog Orchid				S2S3	2 May Be At Risk	1	81.5 ± 0.0
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S2S3	3 Sensitive	506	65.1 ± 0.0
P	<i>Poa glauca</i>	Glaucous Blue Grass				S2S3	3 Sensitive	1	80.2 ± 1.0
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S2S3	Sensitive	13	11.8 ± 7.0
P	<i>Botrychium lanceolatum var. angustisegmentum</i>	Lance-Leaf Grape-Fern				S2S3	3 Sensitive	7	28.2 ± 5.0
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	3 Sensitive	4	36.3 ± 0.0
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	3 Sensitive	4	47.6 ± 7.0
P	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica				S3	Secure	1	28.2 ± 0.0
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3	3 Sensitive	20	54.6 ± 1.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
P	<i>Hieracium paniculatum</i>	Panicked Hawkweed				S3	4 Secure	7	61.3 ± 0.0
P	<i>Megalodonta beckii</i>	Water Beggarticks				S3	Secure	12	26.4 ± 5.0
P	<i>Packera paupercula</i>	Balsam Groundsel				S3	4 Secure	35	47.9 ± 0.0
P	<i>Campanula aparinoides</i>	Marsh Bellflower				S3	3 Sensitive	34	26.5 ± 0.0
P	<i>Minuartia groenlandica</i>	Greenland Stitchwort				S3	Sensitive	24	26.3 ± 7.0
P	<i>Viburnum edule</i>	Squashberry				S3	3 Sensitive	2	64.9 ± 0.0
P	<i>Empetrum eamesii</i>	Pink Crowberry				S3	3 Sensitive	83	62.3 ± 7.0
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3	Sensitive	3	23.8 ± 0.0
P	<i>Vaccinium caespitosum</i>	Dwarf Bilberry				S3	Secure	55	37.2 ± 0.0
P	<i>Vaccinium uliginosum</i>	Alpine Bilberry				S3	Sensitive	3	70.9 ± 1.0
P	<i>Bartonia virginica</i>	Yellow Bartonia				S3	4 Secure	25	50.7 ± 7.0
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	4 Secure	4	94.6 ± 3.0
P	<i>Proserpinaca palustris</i>	Marsh Mermaidweed				S3	4 Secure	12	15.2 ± 1.0
P	<i>Proserpinaca palustris var. crebra</i>	Marsh Mermaidweed				S3	4 Secure	27	17.9 ± 2.0
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3	Secure	3	31.5 ± 1.0
P	<i>Teucrium canadense</i>	Canada Germander				S3	3 Sensitive	5	41.0 ± 5.0
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	3 Sensitive	2	45.1 ± 0.0
P	<i>Polygonum pennsylvanicum</i>	Pennsylvania Smartweed				S3	4 Secure	14	28.1 ± 0.0
P	<i>Polygonum scandens</i>	Climbing False Buckwheat				S3	3 Sensitive	27	25.0 ± 0.0
P	<i>Samolus valerandi ssp. parviflorus</i>	Seaside Brookweed				S3	Sensitive	2	62.9 ± 5.0
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3	4 Secure	9	25.8 ± 50.0
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	Sensitive	1	70.0 ± 0.0
P	<i>Ranunculus gmelinii</i>	Gmelin's Water Buttercup				S3	4 Secure	28	16.4 ± 5.0
P	<i>Rhamnus alnifolia</i>	Alder-leaved Buckthorn				S3	Secure	51	13.8 ± 1.0
P	<i>Agrimonia gryposepala</i>	Hooked Agrimony				S3	4 Secure	99	23.4 ± 5.0
P	<i>Salix petiolaris</i>	Meadow Willow				S3	4 Secure	18	24.4 ± 0.0
P	<i>Geocaulon lividum</i>	Northern Comandra				S3	Secure	2	32.3 ± 5.0
P	<i>Agalinis neoscotica</i>	Nova Scotia Agalinis				S3	4 Secure	7	59.1 ± 0.0
P	<i>Limosella australis</i>	Southern Mudwort				S3	Secure	6	24.1 ± 5.0
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel				S3	Secure	14	60.9 ± 0.0
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	3 Sensitive	33	32.1 ± 0.0
P	<i>Verbena hastata</i>	Blue Vervain				S3	Secure	106	38.8 ± 0.0
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	3 Sensitive	6	51.5 ± 0.0
P	<i>Carex lupulina</i>	Hop Sedge				S3	4 Secure	37	19.2 ± 0.0
P	<i>Carex rosea</i>	Rosy Sedge				S3	4 Secure	24	30.7 ± 0.0
P	<i>Carex wiegandii</i>	Wiegand's Sedge				S3	Sensitive	3	28.8 ± 2.0
P	<i>Eleocharis nitida</i>	Quill Spikerush				S3	4 Secure	4	68.7 ± 5.0
P	<i>Schoenoplectus pungens</i>	Three-square Bulrush				S3	3 Sensitive	1	94.3 ± 5.0
P	<i>Juncus subcaudatus var. planisepalus</i>	Woods-Rush				S3	3 Sensitive	13	11.8 ± 1.0
P	<i>Juncus dudleyi</i>	Dudley's Rush				S3	Secure	40	33.1 ± 1.0
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3	3 Sensitive	2	32.2 ± 0.0
P	<i>Listera australis</i>	Southern Twayblade				S3	Secure	80	20.8 ± 0.0
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	4 Secure	94	19.9 ± 0.0
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	4 Secure	4	79.0 ± 0.0
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3	4 Secure	17	52.8 ± 7.0
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3	Secure	7	66.9 ± 0.0
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3	Secure	11	46.1 ± 0.0
P	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass				S3	4 Secure	158	33.0 ± 4.0
P	<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed				S3	Secure	7	77.8 ± 0.0
P	<i>Sparganium natans</i>	Small Burreed				S3	4 Secure	12	17.8 ± 1.0
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3	Sensitive	10	39.3 ± 0.0
P	<i>Equisetum variegatum</i>	Variegated Horsetail				S3	4 Secure	23	25.7 ± 0.0
P	<i>Isoetes acadensis</i>	Acadian Quillwort				S3	3 Sensitive	5	39.9 ± 14.0
P	<i>Huperzia appalachiana</i>	Appalachian Fir-Clubmoss				S3	Sensitive	1	77.2 ± 1.0
P	<i>Botrychium dissectum</i>	Cut-leaved Moonwort				S3	4 Secure	5	52.0 ± 1.0
P	<i>Schizaea pusilla</i>	Little Curlygrass Fern				S3	4 Secure	6	37.4 ± 1.0
P	<i>Asclepias incarnata ssp. pulchra</i>	Swamp Milkweed				S3?	Undetermined	36	17.8 ± 1.0

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
P	<i>Polygonum amphibium</i> var. <i>emersum</i>	Water Smartweed				S3?	Undetermined	1	39.5 ± 0.0
P	<i>Amelanchier stolonifera</i>	Running Serviceberry				S3?	4 Secure	8	32.1 ± 0.0
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3?	4 Secure	8	19.7 ± 0.0
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3?	4 Secure	6	55.0 ± 0.0
P	<i>Carex foenea</i>	Fernald's Hay Sedge				S3?	4 Secure	13	26.5 ± 0.0
P	<i>Triglochin gaspensis</i>	Gasp [- Arrowgrass				S3?	Undetermined	14	32.0 ± 0.0
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3?	3 Sensitive	9	55.2 ± 1.0
P	<i>Lycopodium sabinifolium</i>	Ground-Fir				S3?	4 Secure	4	58.1 ± 0.0
P	<i>Lycopodium sitchense</i>	Sitka Clubmoss				S3?	4 Secure	2	54.9 ± 5.0
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3?	5 Undetermined	11	25.8 ± 0.0
P	<i>Atriplex franktonii</i>	Frankton's Saltbush				S3S4	4 Secure	1	90.5 ± 2.0
P	<i>Suaeda calceoliformis</i>	Horned Sea-blite				S3S4	Secure	9	31.9 ± 0.0
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S3S4	Secure	2	61.7 ± 0.0
P	<i>Myriophyllum sibiricum</i>	Siberian Water Milfoil				S3S4	4 Secure	5	27.1 ± 0.0
P	<i>Sanguinaria canadensis</i>	Bloodroot				S3S4	4 Secure	109	18.3 ± 5.0
P	<i>Polygonum fowleri</i>	Fowler's Knotweed				S3S4	Secure	2	33.8 ± 0.0
P	<i>Rumex maritimus</i>	Sea-Side Dock				S3S4		5	31.9 ± 0.0
P	<i>Rumex maritimus</i> var. <i>fuiginus</i>	Tierra del Fuego Dock				S3S4	4 Secure	12	29.8 ± 0.0
P	<i>Fragaria vesca</i> ssp. <i>americana</i>	Woodland Strawberry				S3S4	Secure	47	25.8 ± 0.0
P	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet				S3S4	4 Secure	5	60.7 ± 0.0
P	<i>Eriophorum chamissonis</i>	Russet Cotton-Grass				S3S4	4 Secure	9	33.0 ± 0.0
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	Secure	2	41.3 ± 0.0
P	<i>Luzula parviflora</i>	Small-flowered Woodrush				S3S4	4 Secure	4	56.6 ± 0.0
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	4 Secure	3	51.8 ± 5.0
P	<i>Panicum tuckermanii</i>	Tuckerman's Panic Grass				S3S4	Secure	3	79.7 ± 0.0
P	<i>Trisetum spicatum</i>	Narrow False Oats				S3S4	4 Secure	10	45.3 ± 0.0
P	<i>Cystopteris bulbifera</i>	Bulblet Bladder Fern				S3S4	4 Secure	66	25.8 ± 0.0
P	<i>Equisetum hyemale</i> var. <i>affine</i>	Common Scouring-rush				S3S4	4 Secure	27	30.5 ± 0.0
P	<i>Equisetum scirpoides</i>	Dwarf Scouring-Rush				S3S4	4 Secure	45	34.1 ± 0.0
P	<i>Lycopodium complanatum</i>	Northern Clubmoss				S3S4	4 Secure	6	29.6 ± 0.0
P	<i>Solidago simplex</i> var. <i>randii</i>	Sticky Goldenrod				SH	0.1 Extirpated	1	73.9 ± 1.0
P	<i>Viola canadensis</i>	Canada Violet				SH	Extirpated	2	47.8 ± 7.0

## 5.1 SOURCE BIBLIOGRAPHY (100 km)

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

# recs	CITATION
8479	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
2567	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
2210	Morrison, Guy. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
623	Cameron, E. 2008. Canadian Gypsum Co. survey 2007-08. Conestoga-Rovers & Assoc., 623 recs.
486	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
406	Blaney, C.S.; Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
325	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
320	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
293	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
261	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
260	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
256	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
245	Klymko, J.J.D. 2014. Maritimes Butterfly Atlas, 2012 submissions. Atlantic Canada Conservation Data Centre, 8552 records.
241	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
221	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.
217	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
216	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobetic Research Institute, 1301 records.



# recs	CITATION
184	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.
182	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.
178	Newell, R. E. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University. 2013.
170	Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
157	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
150	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
149	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
118	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
114	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
105	Klymko, J.J.D. 2012. Maritimes Butterfly Atlas, 2010 and 2011 records. Atlantic Canada Conservation Data Centre, 6318 recs.
101	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
100	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: <a href="http://luxor.acadiu.ca/library/Herbarium/project/">http://luxor.acadiu.ca/library/Herbarium/project/</a> . 582 recs.
78	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).
72	Scott, Fred W. 1998. Updated Status Report on the Cougar (Puma Concolor cougar) [ Eastern population]. Committee on the Status of Endangered Wildlife in Canada, 298 recs.
66	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
64	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
54	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
53	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
52	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
48	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
48	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
42	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
41	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
39	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
37	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
37	Cameron, E. 2007. Canadian Gypsum Co. survey 2005-07. Dillon Consulting Ltd, 40 recs.
33	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
33	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
32	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
31	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.
30	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
29	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
29	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
28	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
28	Neily, T.H. 2010. Erioderma Pedicellatum records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
28	Pepper, Chris. 2012. Observations of breeding Canada Warbler's along the Eastern Shore, NS. Pers. comm. to S. Blaney, Jan. 20, 28 recs.
25	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
24	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
22	Nelly, T.H. 2006. Cypripedium arietinum in Hants Co. Pers. comm. to C.S. Blaney. 22 recs, 22 recs.
20	Blaney, C.S.; Mazerolle, D.M.; Oberndorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sackville NB, 13770 recs.
19	Powell, B.C. 1967. Female sexual cycles of Chrysemy spicta & Clemmys insculpta in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
18	Neily, T.H. 2012. 2012 Erioderma pedicellatum records in Nova Scotia.
18	Pulsifer, M.D. 2002. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 369 recs.
17	Robinson, S.L. 2014. 2013 Field Data. Atlantic Canada Conservation Data Centre.
16	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
15	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of C. insculpta sightings. Acadia University, Wolfville NS, 88 recs.
15	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
15	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
14	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
14	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
13	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
13	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 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	Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort (Isoetes prototypus). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
12	Neily, T.H. 2013. Email communication to Sean Blaney regarding Listera australis observations made from 2007 to 2011 in Nova Scotia. , 50.
11	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
11	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.

# recs	CITATION
10	Benjamin, L.K. (compiler). 2002. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 32 spp, 683 recs.
9	Benjamin, L.K. 2006. <i>Cyripedium arietinum</i> . Pers. comm. to D. Mazerolle. 9 recs, 9 recs.
9	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
9	Cameron, R.P. 2005. <i>Erioderma pedicellatum</i> unpublished data. NS Dept of Environment, 9 recs.
9	Cameron, R.P. 2006. <i>Erioderma pedicellatum</i> 2006 field data. NS Dept of Environment, 9 recs.
9	Hall, R.A. 2001. S.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
8	O'Neil, S. 1998. Atlantic Salmon: Northumberland Strait Nova Scotia part of SFA 18. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-08. 9 recs.
7	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 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	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
6	Hall, R. 2008. Rare plant records in old fieldbook notes from Truro area. Pers. comm. to C.S. Blaney. 6 recs, 6 recs.
6	Matthew Smith. 2010. Field trip report from Avon Caving Club outlining the discovery of <i>Cyripedium arietinum</i> and <i>Hepatica nobilis</i> populations. Public Works and Government Services Canada.
6	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
5	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
5	Blaney, C.S.; Spicer, C.D.; Mazerolle, D.M. 2005. Fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
5	Cameron, R.P. 2009. Nova Scotia nonvascular plant observations, 1995-2007. Nova Scotia Dept Natural Resources, 27 recs.
5	Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.
5	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J; ONHIC, 487 recs.
5	Towell, C. 2014. 2014 Northern Goshawk and Common Nighthawk email reports, NS. NS Department of Natural Resources.
4	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
4	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
4	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
4	Bredin, K.A. 2002. NS Freshwater Mussel Fieldwork. Atlantic Canada Conservation Data Center, 30 recs.
4	Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.
4	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
4	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.
4	Doucet, D.A. 2009. Census of Globally Rare, Endemic Butterflies of Nova Scotia Gulf of St Lawrence Salt Marshes. Nova Scotia Dept of Natural Resources, Species at Risk, 155 recs.
4	Forsythe, B. 2006. <i>Cyripedium arietinum</i> at Meadow Pond, Hants Co. Pers. comm. to C.S. Blaney. 4 recs, 4 recs.
4	Frittaion, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
4	Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
4	O'Neil, S. 1998. Atlantic Salmon: Eastern Shore Nova Scotia SFA 20. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-10. 4 recs.
4	Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
3	Blaney, C.S. Miscellaneous specimens received by ACCDC (botany). Various persons. 2001-08.
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	LaPaix, R.; Parker, M. 2013. email to Sean Blaney regarding <i>Listera australis</i> observations near Kearney Lake. East Coast Aquatics, 2.
3	Porter, K. 2013. 2013 rare and non-rare vascular plant field data. St. Mary's University, 57 recs.
3	Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
3	Stewart, J.I. 2010. Peregrine Falcon Surveys in New Brunswick, 2002-09. Canadian Wildlife Service, Sackville, 58 recs.
3	Williams, M. Cape Breton University Digital Herbarium. Cape Breton University Digital Herbarium. 2013.
2	Bagnell, B.A. 2001. New Brunswick Bryophyte Occurrences. B&B Botanical, Sussex, 478 recs.
2	Basquill, S.P. 2009. 2009 field observations. Nova Scotia Dept of Natural Resources.
2	Basquill, S.P. 2011. Field observations & specimen collections, 2010. Nova Scotia Department of Natural Resources, Pers. comm. , 8 Recs.
2	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
2	Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
2	Doucet, D.A. 2007. Lepidopteran Records, 1988-2006. Doucet, 700 recs.
2	Macaulay, M. Notes on newly discovered <i>Hepatica nobilis</i> var. <i>obtusata</i> population in Cumberland Co. NS. Pers. comm. to S. Blaney, 1 rec.
2	Macaulay, M. 2008. Email to Sean Blaney regarding rich hardwood floodplain site at Howards Pool, Wallace River, NS.
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>obtusata</i> at Cogmagun River, NS. , Pers. comm. to C.S. Blaney . 2 recs.
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. 2006. Rare plant observations in Digby Neck. Pers. comm. to S. Blaney, 6 recs.
2	Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
2	Robinson, S.L. 2011. 2011 ND dune survey field data. Atlantic Canada Conservation Data Centre, 2715 recs.
2	Sabine, D.L. 2013. Dwaine Sabine butterfly records, 2009 and earlier.
2	Standley, L.A. 2002. <i>Carex haydenii</i> in Nova Scotia. , Pers. comm. to C.S. Blaney. 4 recs.
1	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.
1	Basquill, S. P. 2008. Nova Scotia Dept of Natural Resources.
1	Basquill, S.P. 2012. 2012 Bryophyte specimen data. Nova Scotia Department of Natural Resources, 37 recs.

# recs	CITATION
1	Benedict, B. Connell Herbarium Specimens (Data) . University New Brunswick, Fredericton. 2003.
1	Benedict, B. Connell Herbarium Specimens, Digital photos. University New Brunswick, Fredericton. 2005.
1	Benjamin, L.K. 2003. Cypridium arietinum in Cogmagun River NS. Pers. comm. to S. Blaney, 1 rec.
1	Bruce, J. 2014. 2014 Wood Turtle email report, Nine Mile River, NS. NS Department of Natural Resources.
1	Clayden, S.R. 2006. Pseudevernia cladonia records. NB Museum. Pers. comm. to S. Blaney, Dec, 4 recs.
1	Crowell, A. 2004. Cypridium arietinum in Weir Brook, Hants Co. Pers. comm. to S. Blaney, 1 rec.
1	Daury, R.W. & Bateman, M.C. 1996. The Barrow's Goldeneye (Bucephala islandica) in the Atlantic Provinces and Maine. Canadian Wildlife Service, Sackville, 47pp.
1	Jacques Whitford Ltd. 2003. Cananda Lily location. Pers. Comm. to S. Blaney. 2pp, 1 rec, 1 rec.
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.
1	McAlpine, D.F. 1998. NBM Science Collections databases to 1998. New Brunswick Museum, Saint John NB, 241 recs.
1	Neily, P.D. Plant Specimens. Nova Scotia Dept Natural Resources, Truro. 2006.
1	Neily, T.H. & Anderson, F. 2011. Lichen observations from NRC site at Sandy Cove. , 97.
1	Neily, T.H. 2004. Hepatica nobilis var. obtusa record for Falmouth NS. Pers. comm. to C.S. Blaney, 1 rec.
1	Newell, R.E. 2004. Hepatica nobilis var. obtusa record. Pers. comm. to S. Blaney, 1 rec.
1	Robinson, C.B. 1907. Early intervale flora of eastern Nova Scotia. Transactions of the Nova Scotia Institute of Science, 10:502-506. 1 rec.
1	Sollows, M.C., 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada).
1	Speers, L. 2008. Butterflies of Canada database: New Brunswick 1897-1999. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 2048 recs.
1	Wilson, G. 2013. 2013 Snapping Turtle email report, Wentworth, NS. Pers. comm.