

# DATA REPORT 7064: Saint John, NB

Prepared 8 September 2021  
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## 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>
StJohnNB_7064ob.xls	Rare or legally-protected Flora and Fauna in your study area
StJohnNB_7064ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
StJohnNB_7064msa.xls	Managed and Biologically Significant Areas in your study area
StJohnNB_7064ff_py.xls	Rare Freshwater Fish in your study area (DFO database)
StJohnNB_7064bp.xls	Rare and common Pelagic Birds in your study area (CWS database)

## 1.2 RESTRICTIONS

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

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

## 1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

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

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

Sean Blaney, Senior Scientist, Executive Director

Tel: (506) 364-2658

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### Animals (Fauna)

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### Plant Communities

Sarah Robinson, Community Ecologist

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

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

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

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

## 2.0 RARE AND ENDANGERED SPECIES

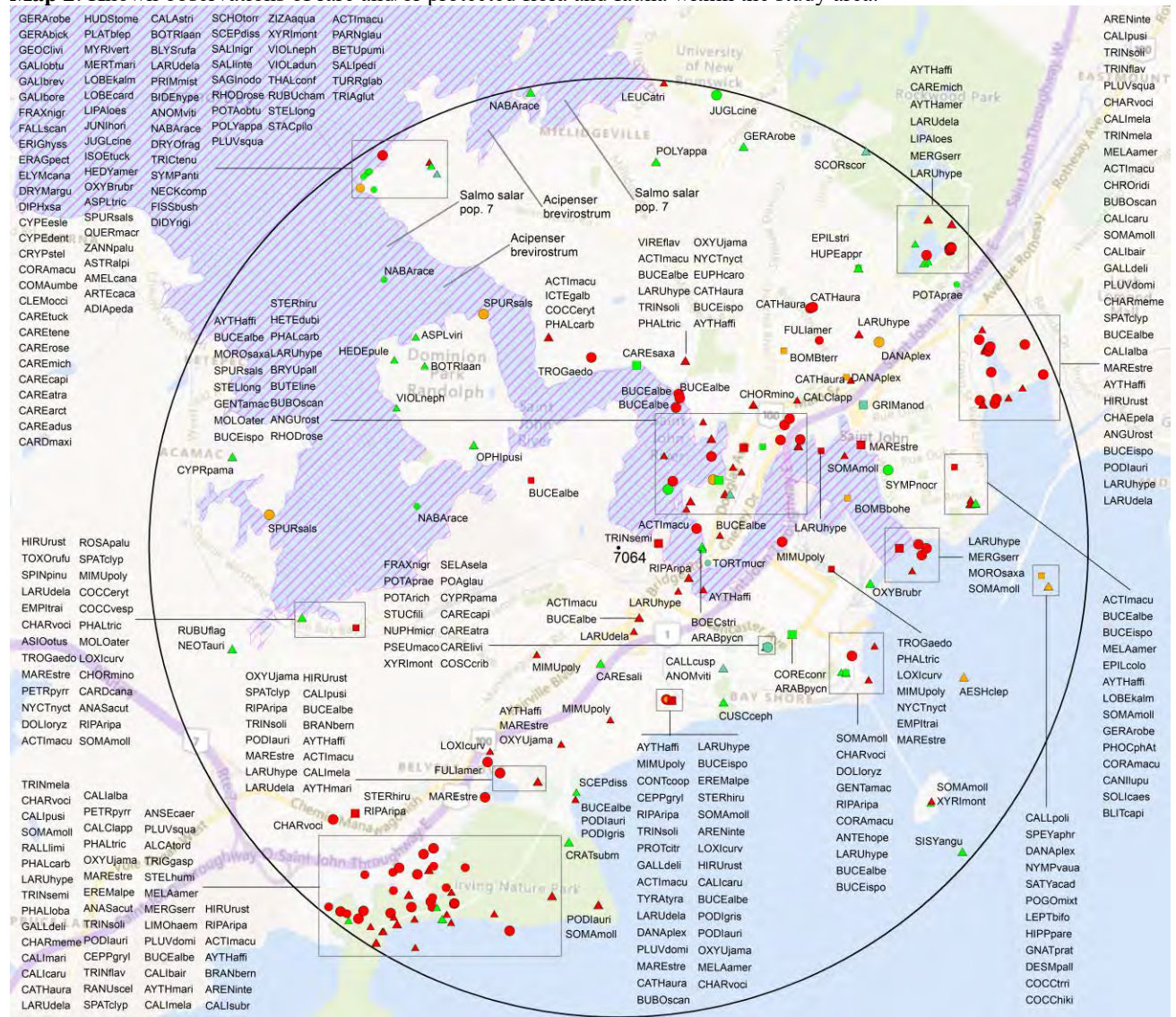
### 2.1 FLORA

The study area contains 166 records of 111 vascular, 18 records of 11 nonvascular flora (Map 2 and attached: \*ob.xls).

### 2.2 FAUNA

The study area contains 2177 records of 80 vertebrate, 35 records of 16 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

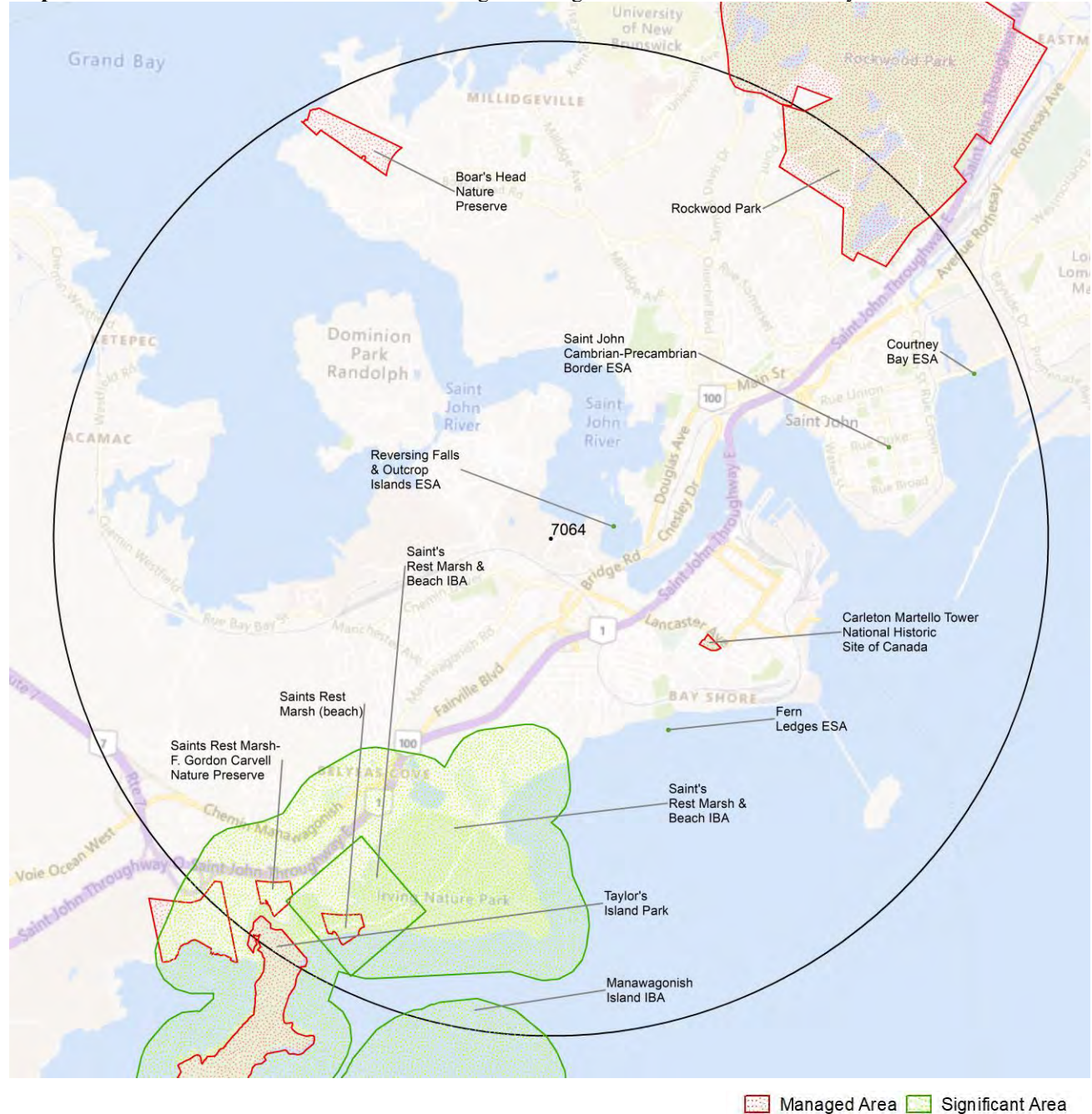
#### 3.1 MANAGED AREAS

The GIS scan identified 6 managed areas in the vicinity of the study area (Map 3 and attached file: \*msa.xls).

#### 3.2 SIGNIFICANT AREAS

The GIS scan identified 7 biologically significant sites in the vicinity of the study area (Map 3 and attached file: \*msa.xls).

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



## 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>Coscinodon cribrus</i>	Sieve-Toothed Moss				S1	1	1.9 $\pm$ 0.0
N	<i>Anomodon viticulosus</i>	a Moss				S2	3	1.7 $\pm$ 1.0
N	<i>Tortula mucronifolia</i>	Mucronate Screw Moss				S2	1	1.0 $\pm$ 0.0
N	<i>Ptychostomum pallescens</i>	Tall Clustered Bryum				S2?	1	1.3 $\pm$ 1.0
N	<i>Calliergonella cuspidata</i>	Common Large Wetland Moss				S2S3	1	1.7 $\pm$ 1.0
N	<i>Didymodon rigidulus</i>	Rigid Screw Moss				S2S3	2	4.4 $\pm$ 0.0
N	<i>Fissidens bushii</i>	Bush's Pocket Moss				S2S3	2	4.4 $\pm$ 0.0
N	<i>Neckera complanata</i>	a Moss				S2S3	2	4.4 $\pm$ 0.0
N	<i>Scorpidium scorpioides</i>	Hooked Scorpion Moss				S2S3	1	5.0 $\pm$ 1.0
N	<i>Trichostomum tenuirostre</i>	Acid-Soil Moss				S3S4	2	4.4 $\pm$ 0.0
N	<i>Grimmia anodon</i>	Toothless Grimmia Moss				SH	2	3.0 $\pm$ 10.0
P	<i>Juglans cinerea</i>	Butternut	Endangered	Endangered	Endangered	S1	2	4.5 $\pm$ 0.0
P	<i>Fraxinus nigra</i>	Black Ash	Threatened			S4S5	2	1.9 $\pm$ 0.0
P	<i>Symphotrichum anticostense</i>	Anticosti Aster	Special Concern	Special Concern	Endangered	S2S3	1	4.4 $\pm$ 0.0
P	<i>Antennaria howellii</i> ssp. <i>petaloidea</i>	Pussy-Toes				S1	1	2.8 $\pm$ 5.0
P	<i>Blitum capitatum</i>	Strawberry-Blite				S1	1	3.8 $\pm$ 1.0
P	<i>Corema conradii</i>	Broom Crowberry				S1	1	2.1 $\pm$ 10.0
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S1	2	4.3 $\pm$ 0.0
P	<i>Rubus flagellaris</i>	Northern Dewberry				S1	1	4.3 $\pm$ 1.0
P	<i>Galium brevipes</i>	Limestone Swamp Bedstraw				S1	1	4.5 $\pm$ 0.0
P	<i>Carex saxatilis</i>	Russet Sedge				S1	2	2.0 $\pm$ 10.0
P	<i>Sisyrinchium angustifolium</i>	Narrow-leaved Blue-eyed-grass				S1	1	4.9 $\pm$ 1.0
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S1S3	1	2.0 $\pm$ 1.0
P	<i>Pseudognaphalium macounii</i>	Macoun's Cudweed				S2	1	1.9 $\pm$ 0.0
P	<i>Boechera stricta</i>	Drummond's Rockcress				S2	3	0.9 $\pm$ 1.0
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S2	1	4.5 $\pm$ 0.0
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S2	3	1.3 $\pm$ 10.0
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2	3	2.7 $\pm$ 1.0
P	<i>Quercus macrocarpa</i>	Bur Oak				S2	1	4.5 $\pm$ 0.0
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2	1	3.1 $\pm$ 0.0
P	<i>Carex livida</i>	Livid Sedge				S2	1	1.9 $\pm$ 2.0
P	<i>Carex salina</i>	Saltmarsh Sedge				S2	2	1.2 $\pm$ 1.0
P	<i>Blysmopsis rufa</i>	Red Bulrush				S2	1	4.5 $\pm$ 0.0
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	2	1.9 $\pm$ 2.0
P	<i>Elymus canadensis</i>	Canada Wild Rye				S2	1	4.5 $\pm$ 0.0
P	<i>Poa glauca</i>	Glaucous Blue Grass				S2	1	1.9 $\pm$ 2.0
P	<i>Zizania aquatica</i>	Southern Wild Rice				S2	1	4.5 $\pm$ 0.0
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S2	4	4.4 $\pm$ 0.0
P	<i>Selaginella selaginoides</i>	Low Spikemoss				S2	1	1.9 $\pm$ 6.0
P	<i>Symphotrichum novi-belgii</i> var. <i>crenifolium</i>	New York Aster				S2?	2	3.0 $\pm$ 0.0
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2?	1	4.5 $\pm$ 0.0
P	<i>Geranium robertianum</i>	Herb Robert				S2S3	3	3.8 $\pm$ 1.0
P	<i>Epilobium coloratum</i>	Purple-veined Willowherb				S2S3	1	3.8 $\pm$ 1.0
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	1	4.5 $\pm$ 0.0
P	<i>Neottia auriculata</i>	Auricled Twayblade				S2S3	1	4.3 $\pm$ 1.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
P	<i>Eragrostis pectinacea</i>	Tufted Love Grass				S2S3	1	4.5 ± 0.0
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed				S2S3	2	1.9 ± 0.0
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S2S3	2	1.9 ± 1.0
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	1	1.9 ± 1.0
P	<i>Artemisia campestris ssp. caudata</i>	Tall Wormwood				S3	1	4.5 ± 0.0
P	<i>Bidens hyperborea</i>	Estuary Beggarticks				S3	1	4.5 ± 0.0
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3	1	4.5 ± 0.0
P	<i>Nabalus racemosus</i>	Glaucous Rattlesnakeroot				S3	7	2.2 ± 0.0
P	<i>Betula pumila</i>	Bog Birch				S3	1	4.5 ± 0.0
P	<i>Turritis glabra</i>	Tower Mustard				S3	1	4.5 ± 0.0
P	<i>Arabis pycnocarpa</i>	Cream-flowered Rockcress				S3	5	0.9 ± 0.0
P	<i>Cardamine maxima</i>	Large Toothwort				S3	1	4.5 ± 0.0
P	<i>Lobelia cardinalis</i>	Cardinal Flower				S3	1	4.5 ± 0.0
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S3	1	4.9 ± 0.0
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S3	1	4.5 ± 0.0
P	<i>Rhodiola rosea</i>	Roseroot				S3	2	1.9 ± 5.0
P	<i>Astragalus alpinus</i>	Alpine Milk-vetch				S3	1	4.5 ± 0.0
P	<i>Hedysarum americanum</i>	Alpine Hedysarum				S3	1	4.5 ± 0.0
P	<i>Gentianella amarella ssp. acuta</i>	Northern Gentian				S3	3	0.8 ± 0.0
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	1	4.5 ± 0.0
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	1	4.5 ± 0.0
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3	1	1.9 ± 0.0
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	2	3.9 ± 5.0
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3	1	4.5 ± 0.0
P	<i>Primula mistassinica</i>	Mistassini Primrose				S3	2	4.5 ± 0.0
P	<i>Clematis occidentalis</i>	Purple Clematis				S3	1	4.5 ± 0.0
P	<i>Thalictrum confine</i>	Northern Meadow-rue				S3	1	4.5 ± 0.0
P	<i>Amelanchier canadensis</i>	Canada Serviceberry				S3	1	4.5 ± 0.0
P	<i>Rosa palustris</i>	Swamp Rose				S3	1	3.5 ± 1.0
P	<i>Galium boreale</i>	Northern Bedstraw				S3	1	4.5 ± 0.0
P	<i>Salix nigra</i>	Black Willow				S3	1	4.5 ± 0.0
P	<i>Salix pedicellaris</i>	Bog Willow				S3	1	4.5 ± 0.0
P	<i>Salix interior</i>	Sandbar Willow				S3	1	4.5 ± 0.0
P	<i>Comandra umbellata</i>	Bastard's Toadflax				S3	1	4.5 ± 0.0
P	<i>Parnassia glauca</i>	Fen Grass-of-Parnassus				S3	1	4.5 ± 0.0
P	<i>Viola adunca</i>	Hooked Violet				S3	1	4.5 ± 0.0
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	2	2.8 ± 0.0
P	<i>Carex arcta</i>	Northern Clustered Sedge				S3	1	4.5 ± 0.0
P	<i>Carex capillaris</i>	Hairlike Sedge				S3	2	1.9 ± 2.0
P	<i>Carex michauxiana</i>	Michaux's Sedge				S3	3	4.5 ± 0.0
P	<i>Carex rosea</i>	Rosy Sedge				S3	1	4.5 ± 0.0
P	<i>Carex tenera</i>	Tender Sedge				S3	1	4.5 ± 0.0
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	1	4.5 ± 0.0
P	<i>Carex atratiformis</i>	Scabrous Black Sedge				S3	2	1.9 ± 0.0
P	<i>Cyperus dentatus</i>	Toothed Flatsedge				S3	1	4.5 ± 0.0
P	<i>Cyperus esculentus var. leptostachyus</i>	Perennial Yellow Nutsedge				S3	1	4.5 ± 0.0
P	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush				S3	1	4.5 ± 0.0
P	<i>Triantha glutinosa</i>	Sticky False-Asphodel				S3	1	4.5 ± 0.0
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3	2	4.5 ± 0.0
P	<i>Platanthera blephariglottis</i>	White Fringed Orchid				S3	1	4.5 ± 0.0
P	<i>Heteranthera dubia</i>	Water Stargrass				S3	1	1.3 ± 0.0
P	<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed				S3	1	4.5 ± 0.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	1	1.9 ± 1.0
P	<i>Xyris montana</i>	Northern Yellow-Eyed-Grass				S3	4	1.9 ± 8.0
P	<i>Zannichellia palustris</i>	Horned Pondweed				S3	1	4.5 ± 0.0
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S3	1	4.5 ± 0.0
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S3	1	4.5 ± 0.0
P	<i>Asplenium viride</i>	Green Spleenwort				S3	2	3.1 ± 0.0
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	3	4.5 ± 0.0
P	<i>Isoetes tuckermanii</i>	Tuckerman's Quillwort				S3	1	4.5 ± 0.0
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3	1	4.5 ± 0.0
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3	1	3.9 ± 1.0
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	2	2.6 ± 0.0
P	<i>Botrychium lanceolatum ssp. angustisegmentum</i>	Narrow Triangle Moonwort				S3	2	2.8 ± 0.0
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	3	4.1 ± 1.0
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S3?	1	3.2 ± 1.0
P	<i>Mertensia maritima</i>	Sea Lungwort				S3S4	1	4.5 ± 0.0
P	<i>Lobelia kalmii</i>	Brook Lobelia				S3S4	2	3.8 ± 1.0
P	<i>Stachys pilosa</i>	Hairy Hedge-Nettle				S3S4	1	4.5 ± 0.0
P	<i>Drymocallis arguta</i>	Tall Wood Beauty				S3S4	1	4.5 ± 0.0
P	<i>Rubus chamaemorus</i>	Cloudberry				S3S4	1	4.5 ± 0.0
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	1	4.5 ± 0.0
P	<i>Juniperus horizontalis</i>	Creeping Juniper				S3S4	1	4.5 ± 0.0
P	<i>Triglochin gaspensis</i>	Gasp  ← Arrowgrass				S3S4	1	4.4 ± 1.0
P	<i>Corallorhiza maculata</i>	Spotted Coralroot				S3S4	3	2.8 ± 1.0
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S3S4	1	4.5 ± 0.0
P	<i>Solidago caesia</i>	Blue-stemmed Goldenrod				SX	2	3.8 ± 1.0

## 4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B,S1M	4	4.5 ± 0.0
A	<i>Protonotaria citrea</i>	Prothonotary Warbler	Endangered	Endangered		SNA	1	1.7 ± 2.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Threatened	S2S3B,S2M	1	4.4 ± 0.0
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened		S2S3B,S2S3M	23	0.8 ± 1.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened	Threatened	Threatened	S3B,S3M	3	2.7 ± 0.0
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S3S4M	24	4.5 ± 0.0
A	<i>Anguilla rostrata</i>	American Eel	Threatened		Threatened	S4	3	2.3 ± 0.0
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S4M	145	4.1 ± 0.0
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Threatened	S2B,S2M	17	1.7 ± 0.0
A	<i>Bucephala islandica (Eastern pop.)</i>	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	18	0.9 ± 0.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	1	2.1 ± 1.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B,S3M	1	1.7 ± 2.0
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Threatened	S3B,S3M	1	2.9 ± 7.0
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern		S3B,S3S4N,SUM	1	2.9 ± 7.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Threatened	Threatened	S3B,S4M	4	2.1 ± 2.0
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S3M	1	4.5 ± 0.0
A	<i>Phocoena phocoena</i>	Harbour Porpoise	Special Concern		Spec.Concern	S4	1	3.8 ± 0.0
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern	Special Concern	S4N,S4M	11	1.7 ± 2.0
A	<i>Calidris subruficollis</i>	Buff-breasted Sandpiper	Special Concern	Special Concern		SNA	14	4.0 ± 1.0
A	<i>Bubo scandiacus</i>	Snowy Owl	Not At Risk			S1N,S2S3M	4	1.7 ± 3.0
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1S2B,S1S2M	2	2.7 ± 0.0
A	<i>Buteo lineatus</i>	Red-shouldered Hawk	Not At Risk			S2B,S2M	2	2.2 ± 0.0
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B,SUM	3	1.3 ± 1.0
A	<i>Podiceps grisegena</i>	Red-necked Grebe	Not At Risk			S3M,S2N	4	1.7 ± 2.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Canis lupus</i>	Gray Wolf	Not At Risk		Extirpated	SX	1	3.8 ± 1.0
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	14	1.7 ± 0.0
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S3	2	0.9 ± 0.0
A	<i>Vireo flavifrons</i>	Yellow-throated Vireo				S1?B,S1?M	1	2.1 ± 1.0
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S1?B,S5M	192	3.9 ± 0.0
A	<i>Aythya americana</i>	Redhead				S1B,S1M	4	4.8 ± 0.0
A	<i>Phalaropus tricolor</i>	Wilson's Phalarope				S1B,S1M	20	2.1 ± 1.0
A	<i>Leucophaeus atricilla</i>	Laughing Gull				S1B,S1M	1	5.0 ± 0.0
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B,S2S3M	31	1.7 ± 3.0
A	<i>Aythya affinis</i>	Lesser Scaup				S1B,S4M	120	0.9 ± 0.0
A	<i>Aythya marila</i>	Greater Scaup				S1B,S4M,S2N	3	2.7 ± 0.0
A	<i>Eremophila alpestris</i>	Horned Lark				S1B,S4N,S5M	4	1.7 ± 5.0
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S1N,S2M	1	4.5 ± 0.0
A	<i>Branta bernicla</i>	Brant				S1N,S2S3M	4	2.7 ± 0.0
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1S2B,S1S2M	3	2.1 ± 1.0
A	<i>Empidonax traillii</i>	Willow Flycatcher				S1S2B,S1S2M	2	2.3 ± 7.0
A	<i>Troglodytes aedon</i>	House Wren				S1S2B,S1S2M	4	2.0 ± 0.0
A	<i>Calidris bairdii</i>	Baird's Sandpiper				S1S2M	18	4.0 ± 1.0
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S2B,S2M	13	1.4 ± 0.0
A	<i>Toxostoma rufum</i>	Brown Thrasher				S2B,S2M	1	2.9 ± 7.0
A	<i>Mareca strepera</i>	Gadwall				S2B,S3M	37	1.7 ± 5.0
A	<i>Alca torda</i>	Razorbill				S2B,S3N,S3M	1	4.6 ± 0.0
A	<i>Tringa solitaria</i>	Solitary Sandpiper				S2B,S5M	25	1.7 ± 2.0
A	<i>Anser caerulescens</i>	Snow Goose				S2M	1	4.0 ± 1.0
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2N,S2M	3	0.9 ± 1.0
A	<i>Larus hyperboreus</i>	Glaucous Gull				S2N,S2M	59	0.8 ± 0.0
A	<i>Asio otus</i>	Long-eared Owl				S2S3	1	2.9 ± 7.0
A	<i>Spatula clypeata</i>	Northern Shoveler				S2S3B,S2S3M	10	2.6 ± 0.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B,S2S3M	4	2.9 ± 7.0
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	34	1.7 ± 4.0
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S2S3N,SUM	9	2.5 ± 0.0
A	<i>Cephus grylle</i>	Black Guillemot				S3	3	1.7 ± 20.0
A	<i>Loxia curvirostra</i>	Red Crossbill				S3	5	1.7 ± 0.0
A	<i>Spinus pinus</i>	Pine Siskin				S3	2	2.9 ± 7.0
A	<i>Cathartes aura</i>	Turkey Vulture				S3B,S3M	9	1.7 ± 20.0
A	<i>Rallus limicola</i>	Virginia Rail				S3B,S3M	1	4.2 ± 0.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B,S3M	100	1.7 ± 2.0
A	<i>Tringa semipalmata</i>	Willet				S3B,S3M	9	0.4 ± 8.0
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B,S3M	2	2.4 ± 3.0
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S3B,S3M	2	1.5 ± 0.0
A	<i>Icterus galbula</i>	Baltimore Oriole				S3B,S3M	1	2.4 ± 2.0
A	<i>Somateria mollissima</i>	Common Eider				S3B,S4M,S3N	44	1.7 ± 0.0
A	<i>Anas acuta</i>	Northern Pintail				S3B,S5M	2	2.9 ± 7.0
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	6	3.2 ± 0.0
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	37	1.7 ± 0.0
A	<i>Melanitta americana</i>	Black Scoter				S3M,S1S2N	8	1.7 ± 3.0
A	<i>Bucephala albeola</i>	Bufflehead				S3M,S2N	351	0.8 ± 0.0
A	<i>Calidris maritima</i>	Purple Sandpiper				S3M,S3N	2	4.5 ± 0.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B,S3S4M	1	1.7 ± 0.0
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	74	0.8 ± 1.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B,S5M	4	1.7 ± 4.0
A	<i>Larus delawarensis</i>	Ring-billed Gull				S3S4B,S5M	58	0.9 ± 0.0



	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3S4M	148	4.5 ± 0.0
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3S4M	227	2.6 ± 0.0
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3S4M	100	2.6 ± 0.0
A	<i>Calidris alba</i>	Sanderling				S3S4M,S1N	69	4.0 ± 1.0
I	<i>Bombus (Psithyrus) bohemicus</i>	Gypsy Cuckoo Bumble Bee	Endangered	Endangered		S1	1	2.5 ± 5.0
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Special Concern	S3B,S3M	4	1.7 ± 0.0
I	<i>Bombus terricola</i>	Yellow-banded Bumblebee	Special Concern	Special Concern		S3?	1	2.7 ± 5.0
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern			SH	1	4.6 ± 1.0
I	<i>Aeshna clepsydra</i>	Mottled Darner				S2	1	3.9 ± 1.0
I	<i>Lepturoopsis biforis</i>	a Longhorned Beetle				S3	1	4.6 ± 1.0
I	<i>Desmocerus palliatus</i>	Elderberry Borer				S3	4	4.6 ± 1.0
I	<i>Coccinella hieroglyphica kirbyi</i>	a Ladybird Beetle				S3	1	4.6 ± 1.0
I	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	2	4.6 ± 1.0
I	<i>Gnathacmaeops pratensis</i>	a Longhorned Beetle				S3	5	4.6 ± 1.0
I	<i>Pogonocherus mixtus</i>	a Longhorned Beetle				S3	1	4.6 ± 1.0
I	<i>Satyrium acadica</i>	Acadian Hairstreak				S3	1	4.5 ± 5.0
I	<i>Callophrys polios</i>	Hoary Elfin				S3	2	4.5 ± 5.0
I	<i>Speyeria aphrodite</i>	Aphrodite Fritillary				S3	1	4.5 ± 5.0
I	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S3	2	4.5 ± 5.0
I	<i>Spurwinkia salsa</i>	Saltmarsh Hydrobe				S3	7	1.2 ± 0.0

### 4.3 LOCATION SENSITIVE SPECIES

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

#### New Brunswick

Scientific Name	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
<i>Chrysemys picta picta</i>	Eastern Painted Turtle			No
<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	No
<b><i>Glyptemys insculpta</i></b>	<b>Wood Turtle</b>	<b>Threatened</b>	<b>Threatened</b>	<b>YES</b>
<b><i>Haliaeetus leucocephalus</i></b>	<b>Bald Eagle</b>		<b>Endangered</b>	<b>YES</b>
<b><i>Falco peregrinus pop. 1</i></b>	<b>Peregrine Falcon - anatum/tundrius pop.</b>	<b>Special Concern</b>	<b>Endangered</b>	<b>YES</b>
<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	Endangered	Endangered	No
<i>Coenonympha nipisiquit</i>	Maritime Ringlet	Endangered	Endangered	No
<b><i>Bat hibernaculum</i> 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 NB Species at Risk Act.

#### 4.4 SOURCE BIBLIOGRAPHY

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

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## 5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 44918 records of 151 vertebrate and 2174 records of 88 invertebrate fauna; 8789 records of 368 vascular, 2467 records of 230 nonvascular flora (attached: \*ob100km.xls).

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

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	215	2.9 $\pm$ 1.0	NB
A	<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	Endangered	Endangered	Endangered	S1	42	3.4 $\pm$ 0.0	NB
A	<i>Perimyotis subflavus</i>	Eastern Pipistrelle	Endangered	Endangered	Endangered	S1	44	3.4 $\pm$ 0.0	NB
A	<i>Eubalaena glacialis</i>	North Atlantic Right Whale	Endangered	Endangered	Endangered	S1	8	61.4 $\pm$ 0.0	NB
A	<i>Osmerus mordax</i> pop. 2	Lake Utopia Smelt large-bodied pop.	Endangered	Threatened	Threatened	S1	2	54.8 $\pm$ 10.0	NB
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1?B,S1?M	3	53.9 $\pm$ 0.0	NB
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B,S1M	26	4.5 $\pm$ 0.0	NB
A	<i>Dermodochelys coriacea</i> (Atlantic pop.)	Leatherback Sea Turtle - Atlantic pop.	Endangered	Endangered	Endangered	S1S2N	5	7.0 $\pm$ 50.0	NB
A	<i>Salmo salar</i> pop. 1	Atlantic Salmon - Inner Bay of Fundy pop.	Endangered	Endangered	Endangered	S2	89	22.1 $\pm$ 1.0	NB
A	<i>Salmo salar</i> pop. 7	Atlantic Salmon - Outer Bay of Fundy pop.	Endangered		Endangered	SNR	480	17.3 $\pm$ 1.0	NB
A	<i>Rangifer tarandus</i> pop. 2	Woodland Caribou (Atlantic-Gasp /-sie pop.)	Endangered	Endangered	Extirpated	SX	4	20.8 $\pm$ 5.0	NB
A	<i>Lanius ludovicianus</i>	Loggerhead Shrike	Endangered	Endangered		SXB,SXM	1	88.6 $\pm$ 1.0	NB
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened	Threatened	S1B,S1M	44	27.7 $\pm$ 7.0	NB
A	<i>Ixobrychus exilis</i>	Least Bittern	Threatened	Threatened	Threatened	S1S2B,S1S2M	34	5.1 $\pm$ 5.0	NB
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened	Threatened	S1S2B,S1S2M	184	6.2 $\pm$ 1.0	NB
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern	Special Concern	S2B,S2M	17	43.4 $\pm$ 0.0	NB
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Threatened	Threatened	Threatened	S2B,S2M	82	5.4 $\pm$ 7.0	NB
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Threatened	Threatened	S2B,S2M	28	6.2 $\pm$ 1.0	NB
A	<i>Oceanodroma leucorhoa</i>	Leach's Storm-Petrel	Threatened			S2B,SUM	126	35.1 $\pm$ 0.0	NB
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2S3	1234	3.8 $\pm$ 1.0	NB
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Threatened	S2S3B,S2M	579	4.4 $\pm$ 0.0	NB
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened		S2S3B,S2S3M	1263	0.8 $\pm$ 1.0	NB
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened		Threatened	S3	2	30.8 $\pm$ 0.0	NB
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened	Threatened	Threatened	S3B,S3M	1730	2.7 $\pm$ 0.0	NB
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S3S4M	95	4.5 $\pm$ 0.0	NB
A	<i>Anguilla rostrata</i>	American Eel	Threatened		Threatened	S4	169	2.3 $\pm$ 0.0	NB
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S4M	672	4.1 $\pm$ 0.0	NB
A	<i>Coturnicops noveboracensis</i>	Yellow Rail	Special Concern	Special Concern	Special Concern	S1?B,SUM	3	59.0 $\pm$ 7.0	NB
A	<i>Histrionicus histrionicus</i> pop. 1	Harlequin Duck - Eastern pop.	Special Concern	Special Concern	Endangered	S1B,S1S2N,S2M	168	28.5 $\pm$ 17.0	NB
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Threatened	S2B,S2M	1694	1.7 $\pm$ 20.0	NB
A	<i>Bucephala islandica</i> (Eastern pop.)	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	61	0.9 $\pm$ 0.0	NB
A	<i>Balaenoptera physalus</i>	Fin Whale	Special Concern	Special Concern		S2S3	19	16.2 $\pm$ 1.0	NB
A	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Special Concern	Special Concern	Special Concern	S3	11	6.5 $\pm$ 10.0	NB
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Special Concern	S3	105	20.6 $\pm$ 0.0	NB
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	147	2.1 $\pm$ 1.0	NB
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B,S3M	428	1.7 $\pm$ 2.0	NB
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Threatened	S3B,S3M	985	2.9 $\pm$ 7.0	NB
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern		S3B,S3S4N,SUM	334	2.9 $\pm$ 7.0	NB
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Threatened	Threatened	S3B,S4M	393	2.1 $\pm$ 2.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S3M	218	4.5 ± 0.0	NB
A	<i>Phocoena phocoena</i>	Harbour Porpoise	Special Concern		Spec.Concern	S4	244	3.8 ± 0.0	NB
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern			S4	132	8.4 ± 1.0	NB
A	<i>Cotopous virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Special Concern	S4B,S4M	996	6.3 ± 4.0	NB
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern	Special Concern	S4N,S4M	274	1.7 ± 6.0	NB
A	<i>Anarhichas lupus</i>	Atlantic Wolffish	Special Concern	Special Concern	Special Concern	SNR	1	79.2 ± 0.0	NB
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S1?	14	74.9 ± 0.0	NS
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk	Special Concern	Endangered	S1B,S3M	690	0.8 ± 0.0	NB
A	<i>Bubo scandiacus</i>	Snowy Owl	Not At Risk			S1N,S2S3M	33	1.7 ± 3.0	NB
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1S2B,S1S2M	22	38.9 ± 7.0	NB
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1S2B,S1S2M	15	2.7 ± 0.0	NB
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S1S2B,SUM	5	28.1 ± 7.0	NB
A	<i>Sorex dispar</i>	Long-tailed Shrew	Not At Risk			S2	2	28.3 ± 1.0	NB
A	<i>Buteo lineatus</i>	Red-shouldered Hawk	Not At Risk			S2B,S2M	49	2.2 ± 0.0	NB
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S2B,S2M	342	29.3 ± 7.0	NB
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	3	6.5 ± 1.0	NB
A	<i>Lynx canadensis</i>	Canadian Lynx	Not At Risk		Endangered	S3	14	20.6 ± 1.0	NB
A	<i>Desmognathus fuscus - Quebec / New Brunswick population</i>	Northern Dusky Salamander - Quebec / New Brunswick population	Not At Risk			S3	55	8.3 ± 1.0	NB
A	<i>Megaptera novaeangliae</i>	Humpback Whale (NW Atlantic pop.)	Not At Risk			S3	31	59.9 ± 0.0	NB
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B,SUM	344	1.3 ± 1.0	NB
A	<i>Podiceps grisegena</i>	Red-necked Grebe	Not At Risk			S3M,S2N	726	1.7 ± 4.0	NB
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	2	6.5 ± 1.0	NB
A	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Not At Risk		Endangered	S4	1726	0.5 ± 0.0	NB
A	<i>Canis lupus</i>	Gray Wolf	Not At Risk		Extirpated	SX	4	3.8 ± 1.0	NB
A	<i>Puma concolor pop. 1</i>	Eastern Cougar	Data Deficient		Endangered	SNA	95	19.2 ± 1.0	NB
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	406	1.7 ± 0.0	NB
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S3	13	0.9 ± 0.0	NB
A	<i>Odobenus rosmarus pop. 5</i>	Atlantic Walrus - Nova Scotia-Newfoundland-Gulf of St. Lawrence population (DU3)	X			SX	1	72.4 ± 5.0	NS
A	<i>Thryothorus ludovicianus</i>	Carolina Wren				S1	35	15.6 ± 7.0	NB
A	<i>Salvelinus alpinus</i>	Arctic Char				S1	3	71.9 ± 0.0	NB
A	<i>Vireo flavifrons</i>	Yellow-throated Vireo				S1?B,S1?M	16	2.1 ± 1.0	NB
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S1?B,S5M	1350	3.9 ± 0.0	NB
A	<i>Aythya americana</i>	Redhead				S1B,S1M	8	4.8 ± 0.0	NB
A	<i>Gallinula galeata</i>	Common Gallinule				S1B,S1M	34	6.4 ± 1.0	NB
A	<i>Antigone canadensis</i>	Sandhill Crane				S1B,S1M	13	19.2 ± 0.0	NB
A	<i>Bartramia longicauda</i>	Upland Sandpiper				S1B,S1M	47	40.6 ± 0.0	NB
A	<i>Phalaropus tricolor</i>	Wilson's Phalarope				S1B,S1M	61	2.1 ± 1.0	NB
A	<i>Leucophaeus atricilla</i>	Laughing Gull				S1B,S1M	84	5.0 ± 0.0	NB
A	<i>Progne subis</i>	Purple Martin				S1B,S1M	229	15.6 ± 7.0	NB
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B,S2S3M	52	1.7 ± 3.0	NB
A	<i>Uria aalge</i>	Common Murre				S1B,S3N,S3M	123	18.7 ± 15.0	NB
A	<i>Aythya affinis</i>	Lesser Scaup				S1B,S4M	210	0.9 ± 0.0	NB
A	<i>Aythya marila</i>	Greater Scaup				S1B,S4M,S2N	43	2.7 ± 0.0	NB
A	<i>Eremophila alpestris</i>	Horned Lark				S1B,S4N,S5M	36	1.7 ± 5.0	NB
A	<i>Sterna paradisaea</i>	Arctic Tern				S1B,SUM	125	24.4 ± 16.0	NB
A	<i>Fratercula arctica</i>	Atlantic Puffin				S1B,SUN,SUM	156	18.7 ± 15.0	NB
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S1N,S2M	42	4.5 ± 0.0	NB
A	<i>Branta bernicla</i>	Brant				S1N,S2S3M	544	2.7 ± 0.0	NB
A	<i>Butorides virescens</i>	Green Heron				S1S2B,S1S2M	36	5.1 ± 5.0	NB
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1S2B,S1S2M	66	2.1 ± 1.0	NB
A	<i>Empidonax traillii</i>	Willow Flycatcher				S1S2B,S1S2M	143	2.3 ± 7.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow				S1S2B,S1S2M	23	10.2 ± 7.0	NB
A	<i>Troglodytes aedon</i>	House Wren				S1S2B,S1S2M	33	2.0 ± 0.0	NB
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S1S2B,S4N,S5M	63	36.7 ± 0.0	NB
A	<i>Calidris bairdii</i>	Baird's Sandpiper				S1S2M	138	4.0 ± 1.0	NB
A	<i>Cistothorus palustris</i>	Marsh Wren				S2B,S2M	397	5.1 ± 5.0	NB
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S2B,S2M	154	1.4 ± 0.0	NB
A	<i>Toxostoma rufum</i>	Brown Thrasher				S2B,S2M	100	2.9 ± 7.0	NB
A	<i>Poocetes gramineus</i>	Vesper Sparrow				S2B,S2M	99	20.6 ± 0.0	NB
A	<i>Mareca strepera</i>	Gadwall				S2B,S3M	168	1.7 ± 5.0	NB
A	<i>Alca torda</i>	Razorbill				S2B,S3N,S3M	152	4.6 ± 0.0	NB
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S2B,S4S5N,S4S5M	46	33.4 ± 0.0	NB
A	<i>Tringa solitaria</i>	Solitary Sandpiper				S2B,S5M	280	1.7 ± 2.0	NB
A	<i>Anser caerulescens</i>	Snow Goose				S2M	7	4.0 ± 1.0	NB
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2N,S2M	329	0.9 ± 1.0	NB
A	<i>Somateria spectabilis</i>	King Eider				S2N,S2M	57	44.6 ± 0.0	NB
A	<i>Larus hyperboreus</i>	Glaucous Gull				S2N,S2M	162	0.8 ± 0.0	NB
A	<i>Asio otus</i>	Long-eared Owl				S2S3	20	2.9 ± 7.0	NB
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S2S3	12	53.1 ± 7.0	NB
A	<i>Spatula clypeata</i>	Northern Shoveler				S2S3B,S2S3M	154	2.6 ± 0.0	NB
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S2S3B,S2S3M	369	5.1 ± 5.0	NB
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B,S2S3M	631	2.9 ± 7.0	NB
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	292	1.7 ± 4.0	NB
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S2S3N,SUM	38	2.5 ± 0.0	NB
A	<i>Cephus grylle</i>	Black Guillemot				S3	823	1.7 ± 20.0	NB
A	<i>Loxia curvirostra</i>	Red Crossbill				S3	170	1.7 ± 0.0	NB
A	<i>Spinus pinus</i>	Pine Siskin				S3	388	2.9 ± 7.0	NB
A	<i>Prosopium cylindraceum</i>	Round Whitefish				S3	1	76.7 ± 0.0	NB
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	4	18.0 ± 0.0	NB
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	1	75.8 ± 0.0	NS
A	<i>Eptesicus fuscus</i>	Big Brown Bat				S3	54	3.1 ± 1.0	NB
A	<i>Cathartes aura</i>	Turkey Vulture				S3B,S3M	366	1.7 ± 7.0	NB
A	<i>Rallus limicola</i>	Virginia Rail				S3B,S3M	288	4.2 ± 0.0	NB
A	<i>Charadrius vociferus</i>	Killdeer				S3B,S3M	927	1.7 ± 3.0	NB
A	<i>Tringa semipalmata</i>	Willet				S3B,S3M	206	0.4 ± 8.0	NB
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B,S3M	204	2.4 ± 3.0	NB
A	<i>Vireo gilvus</i>	Warbling Vireo				S3B,S3M	274	9.3 ± 7.0	NB
A	<i>Piranga olivacea</i>	Scarlet Tanager				S3B,S3M	120	15.6 ± 7.0	NB
A	<i>Passerina cyanea</i>	Indigo Bunting				S3B,S3M	123	10.3 ± 7.0	NB
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S3B,S3M	317	1.5 ± 0.0	NB
A	<i>Icterus galbula</i>	Baltimore Oriole				S3B,S3M	228	2.4 ± 2.0	NB
A	<i>Somateria mollissima</i>	Common Eider				S3B,S4M,S3N	2061	1.7 ± 2.0	NB
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,S4S5M	166	9.3 ± 7.0	NB
A	<i>Anas acuta</i>	Northern Pintail				S3B,S5M	60	2.9 ± 7.0	NB
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	407	3.2 ± 0.0	NB
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	750	1.7 ± 0.0	NB
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S3M	119	35.1 ± 0.0	NB
A	<i>Melanitta americana</i>	Black Scoter				S3M,S1S2N	830	1.7 ± 6.0	NB
A	<i>Bucephala albeola</i>	Bufflehead				S3M,S2N	1152	0.8 ± 1.0	NB
A	<i>Calidris maritima</i>	Purple Sandpiper				S3M,S3N	286	4.5 ± 0.0	NB
A	<i>Uria lomvia</i>	Thick-billed Murre				S3N,S3M	69	15.5 ± 8.0	NB
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3S4	79	32.1 ± 1.0	NB
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B,S3S4M	677	1.7 ± 0.0	NB
A	<i>Actitis macularia</i>	Spotted Sandpiper				S3S4B,S5M	1171	0.8 ± 1.0	NB
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B,S5M	1019	1.7 ± 4.0	NB
A	<i>Larus delawarensis</i>	Ring-billed Gull				S3S4B,S5M	342	0.9 ± 0.0	NB



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3S4B,S5M	115	5.4 ± 0.0	NB
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3S4M	1164	4.5 ± 0.0	NB
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3S4M	2647	2.6 ± 0.0	NB
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3S4M	353	2.6 ± 0.0	NB
A	<i>Calidris alba</i>	Sanderling				S3S4M,S1N	955	4.0 ± 1.0	NB
A	<i>Morus bassanus</i>	Northern Gannet				SHB,S5M	839	5.5 ± 0.0	NB
C	<i>Quercus macrocarpa</i> - <i>Acer rubrum</i> / <i>Onoclea sensibilis</i> - <i>Carex arcta</i> Forest	Bur Oak - Red Maple / Sensitive Fern - Northern Clustered Sedge Forest				S2	1	68.9 ± 0.0	NB
C	<i>Acer saccharinum</i> / <i>Onoclea sensibilis</i> - <i>Lysimachia terrestris</i> Forest	Silver Maple / Sensitive Fern - Swamp Yellow Loosestrife Forest				S3	1	59.5 ± 0.0	NB
C	<i>Acer saccharum</i> - <i>Fraxinus americana</i> / <i>Polystichum acrostichoides</i> Forest	Sugar Maple - White Ash / Christmas Fern Forest				S3S4	1	27.6 ± 0.0	NB
I	<i>Bombus (Psithyrus) bohemicus</i>	Gypsy Cuckoo Bumble Bee	Endangered	Endangered		S1	16	2.5 ± 5.0	NB
I	<i>Gomphus ventricosus</i>	Skillet Clubtail	Endangered	Endangered	Endangered	S1S2	58	56.6 ± 0.0	NB
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Special Concern	S3B,S3M	327	1.7 ± 0.0	NB
I	<i>Bombus affinis</i>	Rusty-patched Bumble Bee	Endangered	Endangered		SH	2	84.9 ± 13.0	NB
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SNR	1	11.5 ± 5.0	NB
I	<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	Special Concern	Endangered	Endangered	S1	185	66.2 ± 0.0	NB
I	<i>Ophiogomphus howei</i>	Pygmy Snaketail	Special Concern	Special Concern	Special Concern	S2	14	55.3 ± 0.0	NB
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Special Concern	S2	1	92.3 ± 0.0	NB
I	<i>Lampsilis cariosa</i>	Yellow Lampmussel	Special Concern	Special Concern	Special Concern	S2	100	32.1 ± 0.0	NB
I	<i>Bombus terricola</i>	Yellow-banded Bumblebee	Special Concern	Special Concern		S3?	162	2.7 ± 5.0	NB
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern			SH	17	4.6 ± 1.0	NB
I	<i>Appalachina sayana</i>	Spike-lip Crater	Not At Risk			S3?	1	10.2 ± 1.0	NB
I	<i>Conotrachelus juglandis</i>	a Weevil				S1	3	84.4 ± 0.0	NB
I	<i>Haematopota rara</i>	Shy Cleg				S1	1	87.6 ± 1.0	NB
I	<i>Lycaena dorcas</i>	Dorcas Copper				S1	1	76.0 ± 0.0	NB
I	<i>Erora laeta</i>	Early Hairstreak				S1	4	72.8 ± 2.0	NS
I	<i>Arigomphus furcifer</i>	Lilypad Clubtail				S1	20	62.7 ± 0.0	NB
I	<i>Polites origenes</i>	Crossline Skipper				S1?	8	50.3 ± 0.0	NB
I	<i>Plebejus saepiolus</i>	Greenish Blue				S1S2	5	52.9 ± 0.0	NB
I	<i>Ophiogomphus colubrinus</i>	Boreal Snaketail				S1S2	38	31.5 ± 1.0	NB
I	<i>Encyclops caerulea</i>	a Longhorned Beetle				S2	1	88.9 ± 0.0	NB
I	<i>Scaphinotus viduus</i>	a Ground Beetle				S2	2	38.2 ± 0.0	NB
I	<i>Brachyleptura circumdata</i>	a Longhorned Beetle				S2	6	71.8 ± 0.0	NB
I	<i>Satyrium calanus</i>	Banded Hairstreak				S2	28	21.2 ± 0.0	NB
I	<i>Satyrium calanus falacer</i>	Banded Hairstreak				S2	1	86.4 ± 1.0	NB
I	<i>Strymon melinus</i>	Grey Hairstreak				S2	10	19.0 ± 0.0	NB
I	<i>Aeshna clepsydra</i>	Mottled Darner				S2	21	3.9 ± 1.0	NB
I	<i>Somatochlora tenebrosa</i>	Clamp-Tipped Emerald				S2	13	84.4 ± 0.0	NB
I	<i>Ladona exusta</i>	White Corporal				S2	13	43.4 ± 0.0	NB
I	<i>Hetaerina americana</i>	American Rubyspot				S2	15	27.3 ± 0.0	NB
I	<i>Ischnura posita</i>	Fragile Forktail				S2	33	38.6 ± 0.0	NB
I	<i>Callophrys henrici</i>	Henry's Elfin				S2S3	20	72.8 ± 2.0	NS
I	<i>Celithemis martha</i>	Martha's Pennant				S2S3	9	11.8 ± 0.0	NB
I	<i>Sphaeroderus nitidicollis</i>	a Ground Beetle				S3	1	71.9 ± 0.0	NB
I	<i>Lepturoopsis biforis</i>	a Longhorned Beetle				S3	1	4.6 ± 1.0	NB
I	<i>Orthosoma brunneum</i>	a Longhorned Beetle				S3	3	71.1 ± 5.0	NB
I	<i>Elaphrus americanus</i>	a Ground Beetle				S3	1	75.4 ± 0.0	NB
I	<i>Semanotus terminatus</i>	A Long-horned Beetle				S3	1	80.8 ± 0.0	NB
I	<i>Desmocerus palliatus</i>	Elderberry Borer				S3	9	4.6 ± 1.0	NB
I	<i>Agonum excavatum</i>	a Ground Beetle				S3	1	75.4 ± 0.0	NB
I	<i>Civina americana</i>	a Ground Beetle				S3	1	75.4 ± 0.0	NB
I	<i>Olisthopus parmatus</i>	a Ground Beetle				S3	1	71.9 ± 0.0	NB
I	<i>Paratachys scitulus</i>	a Ground Beetle				S3	1	75.4 ± 0.0	NB

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	<i>Carabus maeander</i>	a Ground Beetle				S3	1	87.2 ± 0.0	NB
	<i>Carabus serratus</i>	a Ground Beetle				S3	1	87.4 ± 0.0	NB
	<i>Coccinella hieroglyphica kirbyi</i>	a Ladybird Beetle				S3	1	4.6 ± 1.0	NB
	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	6	4.6 ± 1.0	NB
	<i>Stenocorus vittiger</i>	a Longhorned Beetle				S3	1	75.4 ± 0.0	NB
	<i>Gnathacmaeops pratensis</i>	a Longhorned Beetle				S3	5	4.6 ± 1.0	NB
	<i>Pogonocherus mixtus</i>	a Longhorned Beetle				S3	1	4.6 ± 1.0	NB
	<i>Badister neopulchellus</i>	a Ground Beetle				S3	1	75.4 ± 0.0	NB
	<i>Calathus gregarius</i>	a Ground Beetle				S3	1	91.5 ± 1.0	NB
	<i>Gonotropis dorsalis</i>	A Fungus Weevil				S3	1	80.8 ± 0.0	NB
	<i>Naemia seriata</i>	a Ladybird beetle				S3	7	15.7 ± 0.0	NB
	<i>Beckerus appressus</i>	A Click Beetle				S3	1	87.1 ± 0.0	NB
	<i>Saperda lateralis</i>	a Longhorned Beetle				S3	2	15.1 ± 0.0	NB
	<i>Hesperia sassacus</i>	Indian Skipper				S3	20	50.3 ± 1.0	NB
	<i>Euphyes bimaculata</i>	Two-spotted Skipper				S3	17	16.3 ± 0.0	NB
	<i>Lycaena hyllus</i>	Bronze Copper				S3	29	20.2 ± 0.0	NB
	<i>Satyrium acadica</i>	Acadian Hairstreak				S3	18	4.5 ± 5.0	NB
	<i>Callophrys polios</i>	Hoary Elfin				S3	23	4.5 ± 5.0	NB
	<i>Plebejus idas</i>	Northern Blue				S3	2	34.0 ± 0.0	NB
	<i>Plebejus idas empetri</i>	Crowberry Blue				S3	26	9.3 ± 2.0	NB
	<i>Speyeria aphrodite</i>	Aphrodite Fritillary				S3	28	4.5 ± 5.0	NB
	<i>Boloria bellona</i>	Meadow Fritillary				S3	59	42.1 ± 0.0	NB
	<i>Polygonia satyrus</i>	Satyr Comma				S3	18	21.4 ± 2.0	NB
	<i>Polygonia gracilis</i>	Hoary Comma				S3	5	11.4 ± 7.0	NB
	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S3	38	4.5 ± 5.0	NB
	<i>Gomphus vastus</i>	Cobra Clubtail				S3	86	37.1 ± 0.0	NB
	<i>Gomphus abbreviatus</i>	Spine-crowned Clubtail				S3	27	17.1 ± 0.0	NB
	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3	22	48.4 ± 0.0	NB
	<i>Dorocordulia lepida</i>	Petite Emerald				S3	35	6.9 ± 0.0	NB
	<i>Somatochlora cingulata</i>	Lake Emerald				S3	11	5.8 ± 0.0	NB
	<i>Somatochlora forcipata</i>	Forcipate Emerald				S3	21	74.8 ± 1.0	NB
	<i>Williamsonia fletcheri</i>	Ebony Boghaunter				S3	8	64.4 ± 0.0	NB
	<i>Lestes eurinus</i>	Amber-Winged Spreadwing				S3	19	13.1 ± 1.0	NB
	<i>Lestes vigilax</i>	Swamp Spreadwing				S3	40	5.8 ± 0.0	NB
	<i>Enallagma geminatum</i>	Skimming Bluet				S3	19	17.1 ± 0.0	NB
	<i>Enallagma signatum</i>	Orange Bluet				S3	25	52.0 ± 0.0	NB
	<i>Stylurus scudderi</i>	Zebra Clubtail				S3	76	37.1 ± 0.0	NB
	<i>Alasmidonta undulata</i>	Triangle Floater				S3	43	17.0 ± 1.0	NB
	<i>Leptodea ochracea</i>	Tidewater Mucket				S3	148	10.5 ± 1.0	NB
	<i>Striatura ferrea</i>	Black Striate				S3	1	87.0 ± 1.0	NB
	<i>Neohelix albolabris</i>	Whitelip				S3	2	58.0 ± 0.0	NB
	<i>Spurwinkia salsa</i>	Saltmarsh Hydrobe				S3	34	1.2 ± 0.0	NB
	<i>Pantala hymenaea</i>	Spot-Winged Glider				S3B,S3M	13	10.3 ± 1.0	NB
	<i>Satyrium liparops</i>	Striped Hairstreak				S3S4	15	14.6 ± 0.0	NB
	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	61	14.6 ± 0.0	NB
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	SH	2	87.4 ± 1.0	NB
N	<i>Erioderma pedicellatum (Atlantic pop.)</i>	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	SH	3	77.6 ± 1.0	NB
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened		S1	619	82.8 ± 0.0	NB
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened		S1?	13	68.5 ± 0.0	NS
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened		S1S2	15	72.9 ± 0.0	NB
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S2	16	34.6 ± 0.0	NB
N	<i>Pectenota plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Special Concern	S1	426	33.4 ± 0.0	NB
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	32	16.5 ± 0.0	NB
N	<i>Imbricium muehlenbeckii</i>	Muehlenbeck's Bryum Moss				S1	1	9.7 ± 1.0	NB
N	<i>Dicranoweisia crispula</i>	Mountain Thatch Moss				S1	1	95.6 ± 0.0	NB
N	<i>Didymodon rigidulus var. gracilis</i>	a moss				S1	1	90.4 ± 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Sphagnum macrophyllum</i>	Sphagnum				S1	4	12.1 ± 0.0	NB
N	<i>Syntrichia ruralis</i>	a Moss				S1	1	70.9 ± 0.0	NB
N	<i>Coscinodon cribrosus</i>	Sieve-Toothed Moss				S1	1	1.9 ± 0.0	NB
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S1	1	85.7 ± 0.0	NS
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S1	12	85.3 ± 0.0	NS
N	<i>Cladonia straminea</i>	Reptilian Pixie-cup Lichen				S1	5	84.7 ± 1.0	NB
N	<i>Ephebe hispidula</i>	Dryside Rockshag Lichen				S1	1	80.0 ± 0.0	NS
N	<i>Ephebe perspinulosa</i>	Thread Lichen				S1	1	83.5 ± 0.0	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S1	7	81.3 ± 0.0	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S1	3	84.4 ± 10.0	NB
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen				S1	2	86.3 ± 0.0	NS
N	<i>Bryoria bicolor</i>	Electrified Horsehair Lichen				S1	1	87.1 ± 1.0	NB
N	<i>Hygrobiella laxifolia</i>	Lax Notchwort				S1?	1	84.8 ± 1.0	NB
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S1?	1	86.2 ± 3.0	NS
N	<i>Bartramia ithyphylla</i>	Straight-leaved Apple Moss				S1?	2	84.8 ± 0.0	NB
N	<i>Pseudocalliergon trifarium</i>	Three-ranked Spear Moss				S1?	1	8.7 ± 0.0	NB
N	<i>Dichelyma falcatum</i>	a Moss				S1?	2	27.1 ± 1.0	NB
N	<i>Dicranum bonjeanii</i>	Bonjean's Broom Moss				S1?	1	87.9 ± 1.0	NB
N	<i>Dicranum condensatum</i>	Condensed Broom Moss				S1?	1	95.4 ± 0.0	NB
N	<i>Entodon brevisetus</i>	a Moss				S1?	1	97.6 ± 10.0	NB
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S1?	4	67.8 ± 0.0	NB
N	<i>Homomallium adnatum</i>	Adnate Hairy-gray Moss				S1?	2	97.6 ± 10.0	NB
N	<i>Plagiothecium latebricola</i>	Alder Silk Moss				S1?	2	5.9 ± 0.0	NB
N	<i>Niphotrichum ericoides</i>	Dense Rock Moss				S1?	1	84.8 ± 3.0	NB
N	<i>Rhytidium rugosum</i>	Wrinkle-leaved Moss				S1?	2	69.5 ± 0.0	NB
N	<i>Splachnum pennsylvanicum</i>	Southern Dung Moss				S1?	1	87.8 ± 1.0	NB
N	<i>Platylomella lescurii</i>	a Moss				S1?	1	77.4 ± 1.0	NB
N	<i>Euopsis granatina</i>	Lesser Rockbud Lichen				S1?	1	76.8 ± 1.0	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen				S1?	15	19.8 ± 0.0	NB
N	<i>Pilophorus fibula</i>	New England Matchstick Lichen				S1?	1	42.6 ± 0.0	NB
N	<i>Spilonema revertens</i>	Rock Hairball Lichen				S1?	4	76.7 ± 0.0	NS
N	<i>Peltigera venosa</i>	Fan Pelt Lichen				S1?	1	50.3 ± 0.0	NB
N	<i>Cladonia oricola</i>	Cladonia Lichen				S1?	2	20.5 ± 0.0	NB
N	<i>Odontoschisma francisci</i>	Holt's Notchwort				S1S2	3	90.4 ± 1.0	NB
N	<i>Harpanthus flotovianus</i>	Great Mountain Flapwort				S1S2	2	87.0 ± 1.0	NB
N	<i>Jungermannia obovata</i>	Egg Flapwort				S1S2	2	16.8 ± 0.0	NB
N	<i>Pallavicinia lyellii</i>	Lyell's Ribbonwort				S1S2	4	16.3 ± 1.0	NB
N	<i>Radula tenax</i>	Tenacious Scalewort				S1S2	1	95.5 ± 0.0	NB
N	<i>Reboulia hemisphaerica</i>	Purple-margined Liverwort				S1S2	2	82.6 ± 1.0	NB
N	<i>Brachythecium acuminatum</i>	Acuminate Ragged Moss				S1S2	6	64.0 ± 100.0	NB
N	<i>Ptychostomum salinum</i>	Saltmarsh Bryum				S1S2	2	36.6 ± 1.0	NB
N	<i>Pseudocampylium radicale</i>	Long-stalked Fine Wet Moss				S1S2	1	89.5 ± 1.0	NB
N	<i>Tortula obtusifolia</i>	a Moss				S1S2	1	46.3 ± 0.0	NB
N	<i>Distichium inclinatum</i>	Inclined Iris Moss				S1S2	5	90.2 ± 0.0	NB
N	<i>Ditrichum pallidum</i>	Pale Cow-hair Moss				S1S2	3	68.5 ± 3.0	NS
N	<i>Drummondia prorepens</i>	a Moss				S1S2	1	84.1 ± 0.0	NS
N	<i>Hygrohypnum bestii</i>	Best's Brook Moss				S1S2	6	77.1 ± 0.0	NB
N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S1S2	2	85.1 ± 0.0	NS
N	<i>Timmia norvegica</i>	a moss				S1S2	3	56.1 ± 0.0	NB
N	<i>Timmia norvegica var. excurrens</i>	a moss				S1S2	1	90.2 ± 0.0	NB
N	<i>Tomentypnum falcifolium</i>	Sickle-leaved Golden Moss				S1S2	1	27.7 ± 1.0	NB
N	<i>Tortella humilis</i>	Small Crisp Moss				S1S2	7	85.8 ± 0.0	NB
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	3	36.6 ± 1.0	NB
N	<i>Hamatocaulis vernicosus</i>	a Moss				S1S2	3	26.9 ± 100.0	NB
N	<i>Haplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1S2	1	68.5 ± 3.0	NS
N	<i>Umbilicaria vellea</i>	Grizzled Rocktripe Lichen				S1S2	1	90.5 ± 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Cystocoleus ebeneus</i>	Rockgossamer Lichen				S1S2	1	76.8 ± 0.0	NS
N	<i>Pilophorus cereolus</i>	Powdered Matchstick Lichen				S1S2	2	42.6 ± 0.0	NB
N	<i>Peltigera scabrosa</i>	Greater Toad Pelt Lichen				S1S2	2	96.6 ± 1.0	NB
N	<i>Calypogeia neesiana</i>	Nees' Pouchwort				S1S3	1	26.9 ± 1.0	NB
N	<i>Fuscocephaloziopsis connivens</i>	Forcipated Pincerwort				S1S3	1	16.0 ± 0.0	NB
N	<i>Cephaloziella elachista</i>	Spurred Threadwort				S1S3	1	8.6 ± 5.0	NB
N	<i>Porella pinnata</i>	Pinnate Scalewort				S1S3	2	33.7 ± 1.0	NB
N	<i>Tritomaria scitula</i>	Mountain Notchwort				S1S3	1	98.2 ± 1.0	NB
N	<i>Amphidium mougeotii</i>	a Moss				S2	13	16.5 ± 1.0	NB
N	<i>Anomodon viticulosus</i>	a Moss				S2	7	1.7 ± 1.0	NB
N	<i>Cirriphyllum piliferum</i>	Hair-pointed Moss				S2	4	71.7 ± 0.0	NB
N	<i>Cynodontium strumiferum</i>	Strumose Dogtooth Moss				S2	1	82.4 ± 8.0	NB
N	<i>Dicranella palustris</i>	Drooping-Leaved Fork Moss				S2	10	50.7 ± 100.0	NB
N	<i>Didymodon ferrugineus</i>	Rusty Beard Moss				S2	2	25.5 ± 1.0	NB
N	<i>Ditrichum flexicaule</i>	Flexible Cow-hair Moss				S2	1	16.5 ± 1.0	NB
N	<i>Anomodon tristis</i>	a Moss				S2	4	83.0 ± 1.0	NB
N	<i>Hypnum pratense</i>	Meadow Plait Moss				S2	1	5.4 ± 0.0	NB
N	<i>Isopterygiopsis pulchella</i>	Neat Silk Moss				S2	7	89.6 ± 0.0	NB
N	<i>Isothecium myosuroides</i>	Slender Mouse-tail Moss				S2	11	16.5 ± 1.0	NB
N	<i>Meesia triquetra</i>	Three-ranked Cold Moss				S2	2	64.0 ± 100.0	NB
N	<i>Orthotrichum speciosum</i>	Showy Bristle Moss				S2	3	84.1 ± 0.0	NS
N	<i>Physcomitrium immersum</i>	a Moss				S2	6	33.7 ± 1.0	NB
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2	4	38.4 ± 0.0	NB
N	<i>Pohlia elongata</i>	Long-necked Nodding Moss				S2	10	85.8 ± 0.0	NB
N	<i>Seligeria calcarea</i>	Chalk Brittle Moss				S2	3	16.5 ± 1.0	NB
N	<i>Sphagnum centrale</i>	Central Peat Moss				S2	7	75.0 ± 5.0	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S2	8	15.9 ± 1.0	NB
N	<i>Sphagnum flexuosum</i>	Flexuous Peatmoss				S2	2	93.4 ± 0.0	NB
N	<i>Tayloria serrata</i>	Serrate Trumpet Moss				S2	6	34.1 ± 1.0	NB
N	<i>Tetradontium brownianum</i>	Little Georgia				S2	7	89.8 ± 1.0	NB
N	<i>Tetraplodon mnioides</i>	Entire-leaved Nitrogen Moss				S2	3	30.5 ± 0.0	NB
N	<i>Thamnobryum alleghaniense</i>	a Moss				S2	13	56.0 ± 0.0	NB
N	<i>Tortula mucronifolia</i>	Mucronate Screw Moss				S2	1	1.0 ± 0.0	NB
N	<i>Ulota phyllantha</i>	a Moss				S2	7	36.6 ± 1.0	NB
N	<i>Anomobryum julaceum</i>	Slender Silver Moss				S2	5	53.1 ± 0.0	NB
N	<i>Cladonia macrophylla</i>	Fig-leaved Lichen				S2	3	93.8 ± 1.0	NB
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S2	32	76.8 ± 0.0	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S2	3	72.8 ± 0.0	NS
N	<i>Nephroma laevigatum</i>	Mustard Kidney Lichen				S2	18	75.7 ± 0.0	NB
N	<i>Peltigera lepidophora</i>	Scaly Pelt Lichen				S2	2	50.3 ± 0.0	NB
N	<i>Andreaea rothii</i>	a Moss				S2?	6	22.1 ± 0.0	NB
N	<i>Brachythecium digastrum</i>	a Moss				S2?	2	58.1 ± 0.0	NB
N	<i>Ptychostomum pallescens</i>	Tall Clustered Bryum				S2?	2	1.3 ± 1.0	NB
N	<i>Dichelyma capillaceum</i>	Hairlike Dichelyma Moss				S2?	1	98.0 ± 3.0	NB
N	<i>Dicranum spurium</i>	Spurred Broom Moss				S2?	6	22.4 ± 0.0	NB
N	<i>Hygrohypnum montanum</i>	a Moss				S2?	2	67.9 ± 1.0	NB
N	<i>Schistostega pennata</i>	Luminous Moss				S2?	3	50.7 ± 100.0	NB
N	<i>Seligeria campylopoda</i>	a Moss				S2?	1	26.9 ± 100.0	NB
N	<i>Seligeria diversifolia</i>	a Moss				S2?	2	53.1 ± 0.0	NB
N	<i>Sphagnum angermanicum</i>	a Peatmoss				S2?	2	25.4 ± 10.0	NB
N	<i>Plagiomnium rostratum</i>	Long-beaked Leafy Moss				S2?	6	56.0 ± 0.0	NB
N	<i>Ramalina labiosorediata</i>	Chalky Ramalina Lichen				S2?	1	93.6 ± 1.0	NB
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2?	1	92.8 ± 32.0	NS
N	<i>Imshaugia placodida</i>	Eyed Starburst Lichen				S2?	1	84.1 ± 0.0	NS
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2?	1	87.9 ± 1.0	NB
N	<i>Ptychostomum cernuum</i>	Swamp Bryum				S2S3	3	24.4 ± 4.0	NB
N	<i>Buxbaumia aphylla</i>	Brown Shield Moss				S2S3	2	81.1 ± 15.0	NB
N	<i>Calliergonella cuspidata</i>	Common Large Wetland				S2S3	14	1.7 ± 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Drepanocladus polygamus</i>	Moss Polygamous Hook Moss				S2S3	1	88.4 ± 0.0	NB
N	<i>Palustriella falcata</i>	a Moss				S2S3	3	16.5 ± 1.0	NB
N	<i>Didymodon rigidulus</i>	Rigid Screw Moss				S2S3	11	4.4 ± 0.0	NB
N	<i>Ephemerum serratum</i>	a Moss				S2S3	2	70.5 ± 0.0	NB
N	<i>Fissidens bushii</i>	Bush's Pocket Moss				S2S3	7	4.4 ± 0.0	NB
N	<i>Hypnum cupressiforme</i> var. <i>filiforme</i>	a Moss				S2S3	1	83.9 ± 0.0	NS
N	<i>Neckera complanata</i>	a Moss				S2S3	5	4.4 ± 0.0	NB
N	<i>Orthotrichum elegans</i>	Showy Bristle Moss				S2S3	1	67.3 ± 2.0	NB
N	<i>Pohlia prolifera</i>	Cottony Nodding Moss				S2S3	4	89.9 ± 1.0	NB
N	<i>Codriophorus fascicularis</i>	Clustered Rock Moss				S2S3	4	75.1 ± 0.0	NB
N	<i>Racomitrium affine</i>	a Moss				S2S3	1	96.0 ± 1.0	NB
N	<i>Saelania glaucescens</i>	Blue Dew Moss				S2S3	2	95.6 ± 0.0	NB
N	<i>Scorpidium scorpioides</i>	Hooked Scorpion Moss				S2S3	4	5.0 ± 1.0	NB
N	<i>Sphagnum subfulvum</i>	a Peatmoss				S2S3	4	27.7 ± 1.0	NB
N	<i>Taxiphyllum deplanatum</i>	Imbricate Yew-leaved Moss				S2S3	3	36.6 ± 1.0	NB
N	<i>Zygodon viridissimus</i>	a Moss				S2S3	5	75.0 ± 5.0	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S2S3	6	67.3 ± 2.0	NB
N	<i>Loeskeobryum brevirostre</i>	a Moss				S2S3	18	16.5 ± 1.0	NB
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2S3	7	68.7 ± 0.0	NB
N	<i>Cladonia acuminata</i>	Scantly Clad Pixie Lichen				S2S3	2	87.4 ± 1.0	NB
N	<i>Cladonia ramulosa</i>	Bran Lichen				S2S3	4	91.8 ± 1.0	NB
N	<i>Cladonia sulphurina</i>	Greater Sulphur-cup Lichen				S2S3	4	88.0 ± 0.0	NB
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	1	85.0 ± 1.0	NB
N	<i>Sphaerophorus globosus</i>	Northern Coral Lichen				S2S3	19	83.8 ± 1.0	NB
N	<i>Cynodontium tenellum</i>	Delicate Dogtooth Moss				S3	1	36.6 ± 1.0	NB
N	<i>Hypnum curvifolium</i>	Curved-leaved Plait Moss				S3	10	73.0 ± 3.0	NS
N	<i>Tortella fragilis</i>	Fragile Twisted Moss				S3	1	90.2 ± 0.0	NB
N	<i>Schistidium maritimum</i>	a Moss				S3	10	36.6 ± 1.0	NB
N	<i>Hymenostylium recurvirostre</i>	Hymenostylium Moss				S3	9	77.5 ± 0.0	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	2	94.0 ± 3.0	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	7	50.3 ± 0.0	NB
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S3	1	98.1 ± 0.0	NS
N	<i>Normandina pulchella</i>	Rimmed Elf-ear Lichen				S3	21	68.5 ± 0.0	NS
N	<i>Cladonia farinacea</i>	Farinose Pixie Lichen				S3	5	93.6 ± 1.0	NB
N	<i>Cladonia strepsilis</i>	Olive Cladonia Lichen				S3	5	35.1 ± 0.0	NB
N	<i>Hypotrachyna catawbiensis</i>	Powder-tipped Antler Lichen				S3	31	75.8 ± 2.0	NB
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	7	50.3 ± 0.0	NB
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	3	87.1 ± 1.0	NB
N	<i>Nephroma resupinatum</i>	a lichen				S3	1	85.6 ± 0.0	NS
N	<i>Peltigera degenii</i>	Lustrous Pelt Lichen				S3	3	87.5 ± 1.0	NB
N	<i>Usnea strigosa</i>	Bushy Beard Lichen				S3	19	14.8 ± 0.0	NB
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S3	6	83.2 ± 0.0	NB
N	<i>Leptogium laceroides</i>	Short-bearded Jellyskin Lichen				S3	7	92.0 ± 2.0	NS
N	<i>Peltigera membranacea</i>	Membranous Pelt Lichen				S3	16	68.7 ± 0.0	NB
N	<i>Cladonia carneola</i>	Crowned Pixie-cup Lichen				S3	2	93.8 ± 1.0	NB
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S3	9	75.8 ± 2.0	NB
N	<i>Aulacomnium androgynum</i>	Little Groove Moss				S3?	13	16.5 ± 1.0	NB
N	<i>Dicranella rufescens</i>	Red Forklet Moss				S3?	2	88.7 ± 4.0	NB
N	<i>Rhytidiadelphus loreus</i>	Lanky Moss				S3?	5	71.2 ± 0.0	NS
N	<i>Sphagnum lescurii</i>	a Peatmoss				S3?	9	16.0 ± 0.0	NB
N	<i>Sphagnum inundatum</i>	a Sphagnum				S3?	2	34.4 ± 0.0	NB
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3?	4	41.1 ± 0.0	NB
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3?	4	85.9 ± 0.0	NS
N	<i>Stereocaulon subcoralloides</i>	Coralloid Foam Lichen				S3?	1	93.6 ± 1.0	NB
N	<i>Anomodon rugelii</i>	Rugel's Anomodon Moss				S3S4	3	83.3 ± 0.0	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard				S3S4	2	83.1 ± 0.0	NS



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Brachytheciastrum velutinum</i>	Moss Velvet Ragged Moss				S3S4	4	76.0 ± 0.0	NB
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S3S4	1	84.8 ± 0.0	NS
N	<i>Dicranella cerviculata</i>	a Moss				S3S4	5	36.6 ± 1.0	NB
N	<i>Dicranum majus</i>	Greater Broom Moss				S3S4	25	30.5 ± 0.0	NB
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	90.4 ± 0.0	NB
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	1	90.5 ± 0.0	NB
N	<i>Fissidens bryoides</i>	Lesser Pocket Moss				S3S4	3	26.0 ± 5.0	NB
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3S4	2	8.6 ± 0.0	NB
N	<i>Heterocladium dimorphum</i>	Dimorphous Tangle Moss				S3S4	4	67.3 ± 2.0	NB
N	<i>Isopterygiopsis muelleriana</i>	a Moss				S3S4	23	16.5 ± 1.0	NB
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S3S4	5	16.5 ± 1.0	NB
N	<i>Physcomitrium pyriforme</i>	Pear-shaped Urn Moss				S3S4	7	68.1 ± 0.0	NB
N	<i>Pogonatum dentatum</i>	Mountain Hair Moss				S3S4	3	36.6 ± 1.0	NB
N	<i>Sphagnum quinquefarium</i>	Five-ranked Peat Moss				S3S4	4	16.5 ± 1.0	NB
N	<i>Sphagnum torreyanum</i>	a Peatmoss				S3S4	6	12.6 ± 0.0	NB
N	<i>Sphagnum austinii</i>	Austin's Peat Moss				S3S4	2	12.6 ± 1.0	NB
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3S4	2	12.7 ± 0.0	NB
N	<i>Splachnum rubrum</i>	Red Collar Moss				S3S4	1	28.6 ± 1.0	NB
N	<i>Tetraphis geniculata</i>	Geniculate Four-tooth Moss				S3S4	12	8.2 ± 0.0	NB
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3S4	4	22.4 ± 0.0	NB
N	<i>Weissia controversa</i>	Green-Cushioned Weissia				S3S4	5	16.8 ± 1.0	NB
N	<i>Abietinella abietina</i>	Wiry Fern Moss				S3S4	2	78.8 ± 0.0	NB
N	<i>Trichostomum tenuirostre</i>	Acid-Soil Moss				S3S4	9	4.4 ± 0.0	NB
N	<i>Pannaria rubiginosa</i>	Brown-eyed Shingle Lichen				S3S4	23	41.1 ± 0.0	NB
N	<i>Pseudocyphellaria holarctica</i>	Yellow Specklebelly Lichen				S3S4	75	23.4 ± 0.0	NB
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S3S4	11	83.8 ± 1.0	NB
N	<i>Hypogymnia vittata</i>	Slender Monk's Hood Lichen				S3S4	26	83.8 ± 1.0	NB
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	3	72.9 ± 0.0	NS
N	<i>Montanelia panniformis</i>	Shingled Camouflage Lichen				S3S4	5	87.1 ± 1.0	NB
N	<i>Cladonia terrae-novae</i>	Newfoundland Reindeer Lichen				S3S4	5	20.5 ± 0.0	NB
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	5	35.1 ± 0.0	NB
N	<i>Vahlia leucophaea</i>	Shelter Shingle Lichen				S3S4	5	88.2 ± 0.0	NB
N	<i>Xylopsora friesii</i>	a Lichen				S3S4	1	90.5 ± 1.0	NB
N	<i>Nephroma parile</i>	Powdery Kidney Lichen				S3S4	15	37.3 ± 0.0	NB
N	<i>Protopannaria pezizoides</i>	Brown-gray Moss-shingle Lichen				S3S4	29	32.5 ± 0.0	NB
N	<i>Usnea subrubicunda</i>	Reddish Beard Lichen				S3S4	3	75.8 ± 2.0	NB
N	<i>Fuscopannaria sorediata</i>	a Lichen				S3S4	2	87.4 ± 0.0	NB
N	<i>Stereocaulon paschale</i>	Easter Foam Lichen				S3S4	1	86.0 ± 1.0	NS
N	<i>Pannaria conoplea</i>	Mealy-rimmed Shingle Lichen				S3S4	57	72.2 ± 0.0	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	1	96.9 ± 0.0	NB
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	56	24.1 ± 0.0	NB
N	<i>Peltigera neopolydactyla</i>	Undulating Peit Lichen				S3S4	10	75.8 ± 2.0	NB
N	<i>Cladonia cariosa</i>	Lesser Ribbed Pixie Lichen				S3S4	3	95.4 ± 1.0	NB
N	<i>Hypocenomyce scalaris</i>	Common Clam Lichen				S3S4	1	93.6 ± 1.0	NB
N	<i>Dermatocarpon luridum</i>	Brookside Stippleback Lichen				S3S4	96	37.5 ± 0.0	NB
N	<i>Grimmia anodon</i>	Toothless Grimmi Moss				SH	2	3.0 ± 10.0	NB
N	<i>Leucodon brachypus</i>	a Moss				SH	7	69.4 ± 100.0	NB
N	<i>Thelia hirtella</i>	a Moss				SH	2	64.0 ± 100.0	NB
N	<i>Cyrto-hypnum minutulum</i>	Tiny Cedar Moss				SH	3	93.7 ± 10.0	NB
P	<i>Juglans cinerea</i>	Butternut	Endangered	Endangered	Endangered	S1	110	4.5 ± 0.0	NB
P	<i>Polemonium vanbruntiae</i>	Van Brunt's Jacob's-ladder	Threatened	Threatened	Threatened	S1	74	31.8 ± 0.0	NB
P	<i>Fraxinus nigra</i>	Black Ash	Threatened			S4S5	239	1.9 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Isoetes prototypus</i>	Prototype Quillwort	Special Concern	Special Concern	Endangered	S2	28	27.4 ± 0.0	NB
P	<i>Symphotrichum anticostense</i>	Anticosti Aster	Special Concern	Special Concern	Endangered	S2S3	6	4.4 ± 0.0	NB
P	<i>Pterospora andromedea</i>	Woodland Pinedrops			Endangered	S1	19	95.1 ± 0.0	NB
P	<i>Cryptotaenia canadensis</i>	Canada Honewort				S1	1	69.1 ± 1.0	NB
P	<i>Sanicula trifoliata</i>	Large-Fruited Sanicle				S1	1	37.2 ± 5.0	NB
P	<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Parlin's Pussytoes				S1	7	56.3 ± 1.0	NB
P	<i>Antennaria howellii</i> ssp. <i>petaloidea</i>	Pussy-Toes				S1	4	2.8 ± 5.0	NB
P	<i>Bidens discoidea</i>	Swamp Beggarticks				S1	4	71.8 ± 0.0	NB
P	<i>Pseudognaphalium obtusifolium</i>	Eastern Cudweed				S1	6	88.8 ± 0.0	NB
P	<i>Helianthus decapetalus</i>	Ten-rayed Sunflower				S1	14	96.6 ± 0.0	NB
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S1	17	47.7 ± 0.0	NB
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S1	12	84.7 ± 0.0	NB
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S1	18	83.8 ± 0.0	NB
P	<i>Barbarea orthoceras</i>	American Yellow Rocket				S1	3	62.6 ± 1.0	NB
P	<i>Cardamine parviflora</i>	Small-flowered Bittercress				S1	17	31.4 ± 0.0	NB
P	<i>Cardamine concatenata</i>	Cut-leaved Toothwort				S1	3	69.5 ± 0.0	NB
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S1	27	15.8 ± 0.0	NB
P	<i>Draba cana</i>	Lance-leaved Draba				S1	10	96.4 ± 0.0	NB
P	<i>Draba glabella</i>	Rock Whitlow-Grass				S1	12	6.8 ± 1.0	NB
P	<i>Mononeuria groenlandica</i>	Greenland Stitchwort				S1	5	21.6 ± 0.0	NB
P	<i>Chenopodium simplex</i>	Maple-leaved Goosefoot				S1	9	74.0 ± 1.0	NB
P	<i>Blitum capitatum</i>	Strawberry-Blite				S1	4	3.8 ± 1.0	NB
P	<i>Suaeda rolandii</i>	Roland's Sea-Blite				S1	3	97.2 ± 0.0	NB
P	<i>Hypericum virginicum</i>	Virginia St. John's-wort				S1	3	16.7 ± 0.0	NB
P	<i>Viburnum acerifolium</i>	Maple-leaved Viburnum				S1	1	95.5 ± 1.0	NB
P	<i>Corema conradii</i>	Broom Crowberry				S1	30	2.1 ± 10.0	NB
P	<i>Vaccinium boreale</i>	Northern Blueberry				S1	1	36.0 ± 0.0	NB
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S1	2	76.6 ± 1.0	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S1	8	79.7 ± 0.0	NB
P	<i>Hylodesmum glutinosum</i>	Large Tick-trefoil				S1	14	93.9 ± 0.0	NS
P	<i>Lespedeza capitata</i>	Round-headed Bush-clover				S1	11	71.4 ± 0.0	NB
P	<i>Gentiana rubricaulis</i>	Purple-stemmed Gentian				S1	12	52.1 ± 0.0	NB
P	<i>Lomatogonium rotatum</i>	Marsh Felwort				S1	3	61.3 ± 0.0	NB
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S1	3	38.1 ± 0.0	NB
P	<i>Lycopus virginicus</i>	Virginia Bugleweed				S1	2	91.8 ± 0.0	NB
P	<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint				S1	4	38.0 ± 0.0	NB
P	<i>Polygonum douglasii</i>	Douglas Knotweed				S1	1	70.9 ± 0.0	NB
P	<i>Lysimachia hybrida</i>	Lowland Yellow Loosestrife				S1	14	96.7 ± 0.0	NB
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	16	13.3 ± 1.0	NB
P	<i>Primula laurentiana</i>	Laurentian Primrose				S1	48	65.9 ± 2.0	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S1	8	4.3 ± 0.0	NB
P	<i>Crataegus jonesiae</i>	Jones' Hawthorn				S1	5	77.0 ± 0.0	NB
P	<i>Rubus flagellaris</i>	Northern Dewberry				S1	6	4.3 ± 1.0	NB
P	<i>Galium brevipes</i>	Limestone Swamp Bedstraw				S1	2	4.5 ± 0.0	NB
P	<i>Saxifraga paniculata</i> ssp. <i>laestadii</i>	Laestadius' Saxifrage				S1	39	16.3 ± 10.0	NB
P	<i>Agalinis tenuifolia</i>	Slender Agalinis				S1	9	83.2 ± 0.0	NB
P	<i>Agalinis purpurea</i> var. <i>parviflora</i>	Small-flowered Purple False Foxglove				S1	10	24.7 ± 1.0	NB
P	<i>Gratiola lutea</i>	Golden Hedge-hyssop				S1	6	17.2 ± 5.0	NB
P	<i>Pedicularis canadensis</i>	Canada Lousewort				S1	5	60.7 ± 0.0	NB
P	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet				S1	47	69.4 ± 0.0	NS
P	<i>Alisma subcordatum</i>	Southern Water Plantain				S1	4	32.1 ± 0.0	NB
P	<i>Carex atlantica</i> ssp. <i>atlantica</i>	Atlantic Sedge				S1	1	71.2 ± 0.0	NB
P	<i>Carex backii</i>	Rocky Mountain Sedge				S1	6	70.3 ± 0.0	NB
P	<i>Carex merritt-fernaldii</i>	Merritt Fernald's Sedge				S1	2	79.0 ± 0.0	NB
P	<i>Carex scirpoidea</i>	Scirpuslike Sedge				S1	6	67.3 ± 0.0	NB
P	<i>Carex waponahkikensis</i>	Dawn-land Sedge				S1	1	81.1 ± 0.0	NB
P	<i>Carex sterilis</i>	Sterile Sedge				S1	1	99.5 ± 0.0	NB

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P	<i>Carex grisea</i>	Inflated Narrow-leaved Sedge				S1	13	42.3 ± 0.0	NB
P	<i>Carex saxatilis</i>	Russet Sedge				S1	14	2.0 ± 10.0	NB
P	<i>Cyperus diandrus</i>	Low Flatsedge				S1	7	83.2 ± 1.0	NB
P	<i>Cyperus lupulinus ssp. macilentus</i>	Hop Flatsedge				S1	64	66.7 ± 0.0	NB
P	<i>Eleocharis flavescens var. olivacea</i>	Bright-green Spikerush				S1	4	93.3 ± 1.0	NS
P	<i>Rhynchospora capillacea</i>	Slender Beakrush				S1	3	97.3 ± 0.0	NB
P	<i>Scirpus pendulus</i>	Hanging Bulrush				S1	1	71.5 ± 0.0	NB
P	<i>Sisyrinchium angustifolium</i>	Narrow-leaved Blue-eyed-grass				S1	16	4.9 ± 1.0	NB
P	<i>Juncus greenei</i>	Greene's Rush				S1	1	47.3 ± 0.0	NB
P	<i>Juncus subtilis</i>	Creeping Rush				S1	1	47.6 ± 5.0	NB
P	<i>Allium canadense</i>	Canada Garlic				S1	11	38.3 ± 0.0	NB
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S1	16	76.5 ± 0.0	NB
P	<i>Malaxis monophyllos var. brachypoda</i>	North American White Adder's-mouth				S1	3	83.4 ± 10.0	NB
P	<i>Platanthera flava</i>	Southern Rein-Orchid				S1	1	95.5 ± 1.0	NB
P	<i>Platanthera flava var. herbiola</i>	Pale Green Orchid				S1	26	59.2 ± 0.0	NB
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S1	11	51.5 ± 0.0	NB
P	<i>Spiranthes casei</i>	Case's Ladies'-Tresses				S1	6	95.3 ± 0.0	NB
P	<i>Bromus pubescens</i>	Hairy Wood Brome Grass				S1	6	68.7 ± 0.0	NB
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S1	23	46.8 ± 0.0	NB
P	<i>Danthonia compressa</i>	Flattened Oat Grass				S1	17	70.8 ± 1.0	NB
P	<i>Dichanthelium dichotomum</i>	Forked Panic Grass				S1	7	28.6 ± 1.0	NB
P	<i>Festuca subverticillata</i>	Nodding Fescue				S1	2	93.0 ± 1.0	NS
P	<i>Glyceria obtusa</i>	Atlantic Manna Grass				S1	7	42.8 ± 0.0	NB
P	<i>Sporobolus compositus</i>	Rough Dropseed				S1	17	96.8 ± 0.0	NB
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S1	6	10.9 ± 5.0	NB
P	<i>Potamogeton nodosus</i>	Long-leaved Pondweed				S1	8	62.4 ± 0.0	NB
P	<i>Potamogeton strictifolius</i>	Straight-leaved Pondweed				S1	2	22.8 ± 0.0	NB
P	<i>Xyris difformis</i>	Bog Yellow-eyed-grass				S1	5	16.5 ± 0.0	NB
P	<i>Asplenium ruta-muraria var. cryptolepis</i>	Wallrue Spleenwort				S1	4	15.8 ± 0.0	NB
P	<i>Cystopteris laurentiana</i>	Laurentian Bladder Fern				S1	1	69.1 ± 1.0	NB
P	<i>Huperzia selago</i>	Northern Firmoss				S1	1	86.0 ± 1.0	NS
P	<i>Sceptridium oneidense</i>	Blunt-lobed Moonwort				S1	4	58.0 ± 0.0	NB
P	<i>Sceptridium rugulosum</i>	Rugulose Grapefern				S1	1	83.1 ± 1.0	NB
P	<i>Schizaea pusilla</i>	Little Curlygrass Fern				S1	34	12.3 ± 0.0	NB
P	<i>Cuscuta campestris</i>	Field Dodder				S1?	3	72.0 ± 5.0	NB
P	<i>Polygonum aviculare ssp. neglectum</i>	Narrow-leaved Knotweed				S1?	6	87.3 ± 0.0	NB
P	<i>Carex laxiflora</i>	Loose-Flowered Sedge				S1?	2	71.1 ± 5.0	NS
P	<i>Wolffia columbiana</i>	Columbian Watermeal				S1?	6	72.3 ± 0.0	NB
P	<i>Micranthes virginiana</i>	Early Saxifrage				S1S2	10	95.2 ± 0.0	NB
P	<i>Potamogeton bicupulatus</i>	Snailseed Pondweed				S1S2	5	32.1 ± 0.0	NB
P	<i>Selaginella rupestris</i>	Rock Spikemoss				S1S2	45	69.3 ± 1.0	NB
P	<i>Coryphopteris simulata</i>	Bog Fern				S1S2	7	73.4 ± 0.0	NB
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S1S3	2	2.0 ± 1.0	NB
P	<i>Spiranthes arcisepala</i>	Appalachian Ladies'-tresses				S1S3	9	26.0 ± 0.0	NB
P	<i>Neottia bifolia</i>	Southern Twayblade			Endangered	S2	16	80.8 ± 0.0	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2	1	80.0 ± 0.0	NB
P	<i>Solidago racemosa</i>	Racemose Goldenrod				S2	14	96.2 ± 0.0	NB
P	<i>Ionactis linariifolia</i>	Flax-leaved Aster				S2	1	93.7 ± 0.0	NB
P	<i>Symphotrichum racemosum</i>	Small White Aster				S2	11	37.5 ± 0.0	NB
P	<i>Pseudognaphalium macounii</i>	Macoun's Cudweed				S2	8	1.9 ± 0.0	NB
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2	9	67.7 ± 0.0	NB
P	<i>Alnus serrulata</i>	Smooth Alder				S2	16	49.7 ± 0.0	NB
P	<i>Boechera stricta</i>	Drummond's Rockcress				S2	22	0.9 ± 5.0	NB
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S2	27	4.5 ± 0.0	NB
P	<i>Sagina nodosa ssp. borealis</i>	Knotted Pearlwort				S2	2	17.7 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Stellaria longifolia</i>	Long-leaved Starwort			S2		8	1.3 ± 10.0	NB
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush			S2		5	44.4 ± 1.0	NB
P	<i>Oxybasis rubra</i>	Red Goosefoot			S2		4	2.7 ± 1.0	NB
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort			S2		7	53.3 ± 1.0	NB
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed			S2		5	97.5 ± 1.0	NB
P	<i>Viburnum lentago</i>	Nannyberry			S2		53	85.6 ± 0.0	NB
P	<i>Viburnum recognitum</i>	Northern Arrow-Wood			S2		99	58.8 ± 0.0	NB
P	<i>Astragalus euocosmus</i>	Elegant Milk-vetch			S2		10	25.7 ± 0.0	NB
P	<i>Oxytropis campestris</i> var. <i>johannensis</i>	Field Locoweed			S2		9	15.5 ± 50.0	NB
P	<i>Quercus macrocarpa</i>	Bur Oak			S2		115	4.5 ± 0.0	NB
P	<i>Gentiana linearis</i>	Narrow-Leaved Gentian			S2		5	89.1 ± 5.0	NB
P	<i>Myriophyllum humile</i>	Low Water Milfoil			S2		14	67.0 ± 1.0	NB
P	<i>Proserpinaca palustris</i>	Marsh Mermidweed			S2		41	36.8 ± 0.0	NB
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal			S2		61	3.1 ± 0.0	NB
P	<i>Nuphar x rubrodisca</i>	Red-disk Yellow Pond-lily			S2		11	16.9 ± 1.0	NB
P	<i>Aphyllon uniflorum</i>	One-flowered Broomrape			S2		23	16.4 ± 1.0	NB
P	<i>Polygaloides paucifolia</i>	Fringed Milkwort			S2		21	59.7 ± 1.0	NB
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed			S2		51	30.1 ± 0.0	NB
P	<i>Persicaria careyi</i>	Carey's Smartweed			S2		17	28.2 ± 5.0	NB
P	<i>Podostemum ceratophyllum</i>	Horn-leaved Riverweed			S2		24	50.3 ± 0.0	NB
P	<i>Anemone multifida</i>	Cut-leaved Anemone			S2		1	97.8 ± 0.0	NB
P	<i>Hepatica americana</i>	Round-lobed Hepatica			S2		38	50.7 ± 1.0	NB
P	<i>Ranunculus flabellaris</i>	Yellow Water Buttercup			S2		18	34.7 ± 0.0	NB
P	<i>Crataegus scabrada</i>	Rough Hawthorn			S2		9	15.7 ± 0.0	NB
P	<i>Crataegus succulenta</i>	Fleshy Hawthorn			S2		1	89.5 ± 5.0	NB
P	<i>Cephalanthus occidentalis</i>	Common Buttonbush			S2		27	62.5 ± 0.0	NB
P	<i>Salix candida</i>	Sage Willow			S2		2	99.0 ± 1.0	NB
P	<i>Agalinis neoscotica</i>	Nova Scotia Agalinis			S2		52	68.3 ± 1.0	NS
P	<i>Euphrasia randii</i>	Rand's Eyebright			S2		42	17.2 ± 0.0	NB
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort			S2		5	22.1 ± 5.0	NB
P	<i>Dirca palustris</i>	Eastern Leatherwood			S2		5	72.7 ± 1.0	NB
P	<i>Verbena urticifolia</i>	White Vervain			S2		11	95.2 ± 2.0	NB
P	<i>Viola novae-angliae</i>	New England Violet			S2		13	31.6 ± 0.0	NB
P	<i>Symplocarpus foetidus</i>	Eastern Skunk Cabbage			S2		111	13.2 ± 1.0	NB
P	<i>Carex comosa</i>	Bearded Sedge			S2		5	70.8 ± 0.0	NS
P	<i>Carex granularis</i>	Limestone Meadow Sedge			S2		7	69.1 ± 5.0	NB
P	<i>Carex gynocrates</i>	Northern Bog Sedge			S2		5	70.8 ± 1.0	NB
P	<i>Carex hirtifolia</i>	Pubescent Sedge			S2		3	45.4 ± 0.0	NB
P	<i>Carex livida</i>	Livid Sedge			S2		2	1.9 ± 2.0	NB
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge			S2		5	88.5 ± 0.0	NB
P	<i>Carex prairea</i>	Prairie Sedge			S2		1	79.6 ± 5.0	NS
P	<i>Carex rostrata</i>	Narrow-leaved Beaked Sedge			S2		3	36.9 ± 0.0	NB
P	<i>Carex salina</i>	Saltmarsh Sedge			S2		2	1.2 ± 1.0	NB
P	<i>Carex sprengeii</i>	Longbeak Sedge			S2		4	64.8 ± 0.0	NB
P	<i>Carex tenuiflora</i>	Sparse-Flowered Sedge			S2		14	77.5 ± 0.0	NB
P	<i>Carex albicans</i> var. <i>emmonsii</i>	White-tinged Sedge			S2		8	10.9 ± 0.0	NB
P	<i>Cyperus squarrosus</i>	Awned Flatsedge			S2		46	34.1 ± 0.0	NB
P	<i>Eriophorum gracile</i>	Slender Cottongrass			S2		9	18.8 ± 0.0	NB
P	<i>Blysmopsis rufa</i>	Red Bulrush			S2		4	4.5 ± 0.0	NB
P	<i>Elodea nuttallii</i>	Nuttall's Waterweed			S2		9	31.0 ± 0.0	NB
P	<i>Juncus vaseyi</i>	Vasey Rush			S2		5	59.7 ± 0.0	NB
P	<i>Allium tricoccum</i>	Wild Leek			S2		61	26.3 ± 0.0	NB
P	<i>Najas gracillima</i>	Thread-Like Naiad			S2		11	43.1 ± 0.0	NB
P	<i>Calypto bulbosa</i> var. <i>americana</i>	Calypto			S2		5	9.5 ± 0.0	NB
P	<i>Coeloglossum viride</i>	Long-bracted Frog Orchid			S2		7	37.4 ± 5.0	NB
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper			S2		5	1.9 ± 2.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2	13	25.5 ± 0.0	NB
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S2	13	52.1 ± 0.0	NB
P	<i>Agrostis mertensii</i>	Northern Bent Grass				S2	1	70.0 ± 1.0	NB
P	<i>Dichantherium linearifolium</i>	Narrow-leaved Panic Grass				S2	20	50.4 ± 0.0	NB
P	<i>Elymus canadensis</i>	Canada Wild Rye				S2	18	4.5 ± 0.0	NB
P	<i>Leersia virginica</i>	White Cut Grass				S2	42	45.7 ± 0.0	NB
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S2	6	53.5 ± 0.0	NB
P	<i>Puccinellia phryganodes</i> ssp. <i>neoarctica</i>	Creeping Alkali Grass				S2	18	31.4 ± 0.0	NB
P	<i>Poa glauca</i>	Glaucous Blue Grass				S2	18	1.9 ± 2.0	NB
P	<i>Puccinellia nutkaensis</i>	Alaska Alkaligrass				S2	8	5.7 ± 1.0	NB
P	<i>Schizachyrium scoparium</i>	Little Bluestem				S2	54	30.9 ± 0.0	NB
P	<i>Zizania aquatica</i>	Southern Wild Rice				S2	2	4.5 ± 0.0	NB
P	<i>Zizania aquatica</i> var. <i>aquatica</i>	Eastern Wild Rice				S2	5	46.7 ± 0.0	NB
P	<i>Piptatheropsis pungens</i>	Slender Ricegrass				S2	3	97.4 ± 0.0	NB
P	<i>Potamogeton vaseyi</i>	Vasey's Pondweed				S2	5	10.9 ± 1.0	NB
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S2	22	4.4 ± 0.0	NB
P	<i>Anchistea virginica</i>	Virginia chain fern				S2	16	81.2 ± 1.0	NB
P	<i>Woodsia alpina</i>	Alpine Cliff Fern				S2	11	16.4 ± 0.0	NB
P	<i>Selaginella selaginoides</i>	Low Spikemoss				S2	12	1.9 ± 6.0	NB
P	<i>Toxicodendron radicans</i> var. <i>radicans</i>	Eastern Poison Ivy				S2?	14	30.6 ± 0.0	NB
P	<i>Symphotrichum novi-belgii</i> var. <i>crenifolium</i>	New York Aster				S2?	9	3.0 ± 0.0	NB
P	<i>Humulus lupulus</i> var. <i>lupuloides</i>	Common Hop				S2?	4	84.6 ± 0.0	NB
P	<i>Rubus x recurvicaulis</i>	arching dewberry				S2?	5	14.0 ± 5.0	NB
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2?	6	4.5 ± 0.0	NB
P	<i>Salix myricoides</i>	Bayberry Willow				S2?	7	78.2 ± 0.0	NB
P	<i>Carex vacillans</i>	Estuarine Sedge				S2?	4	69.3 ± 1.0	NB
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S2?	6	88.9 ± 0.0	NB
P	<i>Solidago altissima</i>	Tall Goldenrod				S2S3	5	25.0 ± 1.0	NB
P	<i>Callitriche hermaphroditica</i>	Northern Water-starwort				S2S3	10	31.4 ± 1.0	NB
P	<i>Lonicera oblongifolia</i>	Swamp Fly Honeysuckle				S2S3	17	17.3 ± 6.0	NB
P	<i>Elatine americana</i>	American Waterwort				S2S3	7	14.5 ± 1.0	NB
P	<i>Bartonia paniculata</i>	Branched Bartonia				S2S3	2	71.1 ± 0.0	NB
P	<i>Bartonia paniculata</i> ssp. <i>iodandra</i>	Branched Bartonia				S2S3	41	12.5 ± 0.0	NB
P	<i>Geranium robertianum</i>	Herb Robert				S2S3	50	3.8 ± 1.0	NB
P	<i>Myriophyllum quitense</i>	Andean Water Milfoil				S2S3	71	5.2 ± 0.0	NB
P	<i>Epilobium coloratum</i>	Purple-veined Willowherb				S2S3	17	3.8 ± 1.0	NB
P	<i>Rumex persicarioides</i>	Peach-leaved Dock				S2S3	1	86.1 ± 0.0	NB
P	<i>Rumex pallidus</i>	Seabeach Dock				S2S3	17	6.5 ± 0.0	NB
P	<i>Rumex occidentalis</i>	Western Dock				S2S3	1	82.9 ± 1.0	NB
P	<i>Rubus pensilvanicus</i>	Pennsylvania Blackberry				S2S3	27	8.1 ± 0.0	NB
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S2S3	16	57.3 ± 1.0	NB
P	<i>Valeriana uliginosa</i>	Swamp Valerian				S2S3	1	93.2 ± 1.0	NB
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	8	4.5 ± 0.0	NB
P	<i>Corallorhiza maculata</i> var. <i>occidentalis</i>	Spotted Coralroot				S2S3	11	79.0 ± 0.0	NB
P	<i>Corallorhiza maculata</i> var. <i>maculata</i>	Spotted Coralroot				S2S3	7	51.0 ± 1.0	NB
P	<i>Neottia auriculata</i>	Auricled Twayblade				S2S3	9	4.3 ± 1.0	NB
P	<i>Spiranthes cernua</i>	Nodding Ladies'-Tresses				S2S3	33	47.3 ± 0.0	NB
P	<i>Eragrostis pectinacea</i>	Tufted Love Grass				S2S3	14	4.5 ± 0.0	NB
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed				S2S3	7	1.9 ± 0.0	NB
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S2S3	12	1.9 ± 1.0	NB
P	<i>Isoetes tuckermanii</i> ssp. <i>acadiensis</i>	Acadian Quillwort				S2S3	9	46.2 ± 0.0	NB
P	<i>Botrychium tenebrosum</i>	Swamp Moonwort				S2S3	1	95.3 ± 0.0	NB
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	9	1.9 ± 1.0	NB
P	<i>Panax trifolius</i>	Dwarf Ginseng				S3	31	21.2 ± 0.0	NB
P	<i>Artemisia campestris</i> ssp. <i>caudata</i>	Tall Wormwood				S3	127	4.5 ± 0.0	NB
P	<i>Artemisia campestris</i>	Field Wormwood				S3	24	65.4 ± 0.0	NB
P	<i>Bidens hyperborea</i>	Estuary Beggarticks				S3	1	4.5 ± 0.0	NB
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3	83	4.5 ± 0.0	NB



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P	<i>Nabalus racemosus</i>	Glaucous Rattlesnakeroot			S3		83	2.2 ± 0.0	NB
P	<i>Tanacetum bipinnatum</i> ssp. <i>huronense</i>	Lake Huron Tansy			S3		24	11.5 ± 1.0	NB
P	<i>Symphyotrichum boreale</i>	Boreal Aster			S3		14	12.8 ± 0.0	NB
P	<i>Betula pumila</i>	Bog Birch			S3		25	4.5 ± 0.0	NB
P	<i>Turritis glabra</i>	Tower Mustard			S3		2	4.5 ± 0.0	NB
P	<i>Arabis pycnocarpa</i>	Cream-flowered Rockcress			S3		19	0.9 ± 0.0	NB
P	<i>Cardamine maxima</i>	Large Toothwort			S3		41	4.5 ± 0.0	NB
P	<i>Subularia aquatica</i> ssp. <i>americana</i>	American Water Axlwort			S3		14	33.5 ± 0.0	NB
P	<i>Lobelia cardinalis</i>	Cardinal Flower			S3		336	4.5 ± 0.0	NB
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort			S3		11	4.9 ± 0.0	NB
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort			S3		19	25.6 ± 0.0	NB
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath			S3		4	4.5 ± 0.0	NB
P	<i>Cornus obliqua</i>	Silky Dogwood			S3		166	30.1 ± 0.0	NB
P	<i>Crassula aquatica</i>	Water Pygmyweed			S3		12	47.0 ± 0.0	NB
P	<i>Rhodiola rosea</i>	Roseroot			S3		103	1.9 ± 5.0	NB
P	<i>Penthorum sedoides</i>	Ditch Stonecrop			S3		73	34.0 ± 0.0	NB
P	<i>Elatine minima</i>	Small Waterwort			S3		30	19.3 ± 5.0	NB
P	<i>Astragalus alpinus</i>	Alpine Milk-vetch			S3		2	4.5 ± 0.0	NB
P	<i>Astragalus alpinus</i> var. <i>brunetianus</i>	Alpine Milk-Vetch			S3		2	96.3 ± 0.0	NB
P	<i>Hedysarum americanum</i>	Alpine Hedysarum			S3		3	4.5 ± 0.0	NB
P	<i>Gentianella amarella</i> ssp. <i>acuta</i>	Northern Gentian			S3		6	0.8 ± 5.0	NB
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill			S3		18	4.5 ± 0.0	NB
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil			S3		19	6.8 ± 0.0	NB
P	<i>Myriophyllum heterophyllum</i>	Variable-leaved Water Milfoil			S3		82	18.0 ± 0.0	NB
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil			S3		22	4.5 ± 0.0	NB
P	<i>Teucrium canadense</i>	Canada Germander			S3		6	71.7 ± 1.0	NS
P	<i>Stachys hispida</i>	Smooth Hedge-Nettle			S3		12	28.6 ± 0.0	NB
P	<i>Utricularia radiata</i>	Little Floating Bladderwort			S3		39	6.6 ± 0.0	NB
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily			S3		28	1.9 ± 0.0	NB
P	<i>Epilobium hornemannii</i>	Hornemann's Willowherb			S3		7	30.4 ± 0.0	NB
P	<i>Epilobium hornemannii</i> ssp. <i>hornemannii</i>	Hornemann's Willowherb			S3		1	87.3 ± 0.0	NB
P	<i>Epilobium strictum</i>	Downy Willowherb			S3		24	3.9 ± 5.0	NB
P	<i>Polygala sanguinea</i>	Blood Milkwort			S3		40	56.8 ± 0.0	NB
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb			S3		24	46.0 ± 0.0	NB
P	<i>Persicaria punctata</i>	Dotted Smartweed			S3		25	71.3 ± 2.0	NB
P	<i>Fallopia scandens</i>	Climbing False Buckwheat			S3		38	4.5 ± 0.0	NB
P	<i>Littorella americana</i>	American Shoreweed			S3		30	23.2 ± 0.0	NB
P	<i>Primula mistassinica</i>	Mistassini Primrose			S3		12	4.5 ± 0.0	NB
P	<i>Pyrola minor</i>	Lesser Pyrola			S3		6	32.8 ± 0.0	NB
P	<i>Clematis occidentalis</i>	Purple Clematis			S3		31	4.5 ± 0.0	NB
P	<i>Ranunculus gmelinii</i>	Gmelin's Water Buttercup			S3		13	46.7 ± 0.0	NB
P	<i>Thalictrum confine</i>	Northern Meadow-rue			S3		81	4.5 ± 0.0	NB
P	<i>Amelanchier canadensis</i>	Canada Serviceberry			S3		20	4.5 ± 0.0	NB
P	<i>Rosa palustris</i>	Swamp Rose			S3		79	3.5 ± 1.0	NB
P	<i>Rubus occidentalis</i>	Black Raspberry			S3		19	36.9 ± 0.0	NB
P	<i>Sanguisorba canadensis</i>	Canada Burnet			S3		17	91.9 ± 0.0	NB
P	<i>Galium boreale</i>	Northern Bedstraw			S3		9	4.5 ± 0.0	NB
P	<i>Salix nigra</i>	Black Willow			S3		177	4.5 ± 0.0	NB
P	<i>Salix pedicellaris</i>	Bog Willow			S3		55	4.5 ± 0.0	NB
P	<i>Salix interior</i>	Sandbar Willow			S3		34	4.5 ± 0.0	NB
P	<i>Comandra umbellata</i>	Bastard's Toadflax			S3		2	4.5 ± 0.0	NB
P	<i>Parnassia glauca</i>	Fen Grass-of-Parnassus			S3		2	4.5 ± 0.0	NB
P	<i>Limosella australis</i>	Southern Mudwort			S3		11	82.6 ± 0.0	NB
P	<i>Boehmeria cylindrica</i>	Small-spike False-nettle			S3		129	51.8 ± 7.0	NB
P	<i>Pilea pumila</i>	Dwarf Clearweed			S3		32	37.3 ± 0.0	NB
P	<i>Viola adunca</i>	Hooked Violet			S3		9	4.5 ± 0.0	NB
P	<i>Viola nephrophylla</i>	Northern Bog Violet			S3		22	2.8 ± 0.0	NB
P	<i>Carex arcta</i>	Northern Clustered Sedge			S3		56	4.5 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Carex capillaris</i>	Hairlike Sedge			S3		17	1.9 ± 2.0	NB
P	<i>Carex chordorrhiza</i>	Creeping Sedge			S3		24	42.8 ± 1.0	NB
P	<i>Carex conoidea</i>	Field Sedge			S3		35	10.6 ± 1.0	NB
P	<i>Carex eburnea</i>	Bristle-leaved Sedge			S3		17	34.4 ± 0.0	NB
P	<i>Carex exilis</i>	Coastal Sedge			S3		111	6.8 ± 0.0	NB
P	<i>Carex garberi</i>	Garber's Sedge			S3		2	25.2 ± 0.0	NB
P	<i>Carex haydenii</i>	Hayden's Sedge			S3		91	13.0 ± 1.0	NB
P	<i>Carex lupulina</i>	Hop Sedge			S3		117	27.6 ± 0.0	NB
P	<i>Carex michauxiana</i>	Michaux's Sedge			S3		72	4.5 ± 1.0	NB
P	<i>Carex ormostachya</i>	Necklace Spike Sedge			S3		9	61.3 ± 1.0	NB
P	<i>Carex rosea</i>	Rosy Sedge			S3		33	4.5 ± 0.0	NB
P	<i>Carex tenera</i>	Tender Sedge			S3		57	4.5 ± 0.0	NB
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge			S3		89	4.5 ± 0.0	NB
P	<i>Carex vaginata</i>	Sheathed Sedge			S3		9	87.4 ± 0.0	NB
P	<i>Carex wiegandii</i>	Wiegand's Sedge			S3		68	6.6 ± 0.0	NB
P	<i>Carex recta</i>	Estuary Sedge			S3		10	14.2 ± 0.0	NB
P	<i>Carex atratiformis</i>	Scabrous Black Sedge			S3		2	1.9 ± 0.0	NB
P	<i>Cyperus dentatus</i>	Toothed Flatsedge			S3		230	4.5 ± 0.0	NB
P	<i>Cyperus esculentus</i> var. <i>leptostachyus</i>	Perennial Yellow Nutsedge			S3		82	4.5 ± 0.0	NB
P	<i>Eleocharis intermedia</i>	Matted Spikerush			S3		2	82.9 ± 0.0	NB
P	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush			S3		9	12.4 ± 0.0	NB
P	<i>Rhynchospora capitellata</i>	Small-headed Beakrush			S3		22	51.2 ± 0.0	NB
P	<i>Rhynchospora fusca</i>	Brown Beakrush			S3		36	6.6 ± 0.0	NB
P	<i>Trichophorum clintonii</i>	Clinton's Clubrush			S3		50	9.2 ± 0.0	NB
P	<i>Bolboschoenus fluviatilis</i>	River Bulrush			S3		58	16.1 ± 0.0	NB
P	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush			S3		42	4.5 ± 0.0	NB
P	<i>Lemna trisulca</i>	Star Duckweed			S3		22	15.8 ± 1.0	NB
P	<i>Triantha glutinosa</i>	Sticky False-Asphodel			S3		10	4.5 ± 0.0	NB
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper			S3		15	5.1 ± 0.0	NB
P	<i>Liparis loeselii</i>	Loesel's Twayblade			S3		18	4.5 ± 0.0	NB
P	<i>Platanthera blephariglottis</i>	White Fringed Orchid			S3		61	4.5 ± 0.0	NB
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid			S3		69	10.6 ± 1.0	NB
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome			S3		3	52.4 ± 0.0	NB
P	<i>Calamagrostis pickeringii</i>	Pickering's Reed Grass			S3		119	8.2 ± 0.0	NB
P	<i>Dichanthelium depauperatum</i>	Starved Panic Grass			S3		40	51.8 ± 0.0	NB
P	<i>Muhlenbergia richardsonis</i>	Mat Muhly			S3		9	96.5 ± 0.0	NB
P	<i>Heteranthera dubia</i>	Water Stargrass			S3		59	1.3 ± 0.0	NB
P	<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed			S3		17	4.5 ± 0.0	NB
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed			S3		35	1.9 ± 1.0	NB
P	<i>Xyris montana</i>	Northern Yellow-Eyed-Grass			S3		31	1.9 ± 8.0	NB
P	<i>Zannichellia palustris</i>	Horned Pondweed			S3		6	4.5 ± 0.0	NB
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern			S3		7	4.5 ± 0.0	NB
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake			S3		3	4.5 ± 0.0	NB
P	<i>Asplenium viride</i>	Green Spleenwort			S3		22	3.1 ± 0.0	NB
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern			S3		64	4.5 ± 0.0	NB
P	<i>Dryopteris goldiana</i>	Goldie's Woodfern			S3		4	99.8 ± 5.0	NB
P	<i>Woodsia glabella</i>	Smooth Cliff Fern			S3		67	31.3 ± 1.0	NB
P	<i>Equisetum palustre</i>	Marsh Horsetail			S3		9	9.1 ± 0.0	NB
P	<i>Isoetes tuckermanii</i> ssp. <i>tuckermanii</i>	Tuckerman's Quillwort			S3		29	28.6 ± 0.0	NB
P	<i>Isoetes tuckermanii</i>	Tuckerman's Quillwort			S3		2	4.5 ± 0.0	NB
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar			S3		13	4.5 ± 0.0	NB
P	<i>Huperzia appressa</i>	Mountain Firmoss			S3		38	3.9 ± 1.0	NB
P	<i>Sceptridium dissectum</i>	Dissected Moonwort			S3		29	2.6 ± 0.0	NB
P	<i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i>	Narrow Triangle Moonwort			S3		13	2.8 ± 0.0	NB
P	<i>Botrychium simplex</i>	Least Moonwort			S3		10	75.5 ± 0.0	NB
P	<i>Polypodium appalachianum</i>	Appalachian Polypody			S3		33	4.1 ± 1.0	NB
P	<i>Utricularia resupinata</i>	Inverted Bladderwort			S3?		19	6.4 ± 0.0	NB
P	<i>Crataegus submollis</i>	Quebec Hawthorn			S3?		19	3.2 ± 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Mertensia maritima</i>	Sea Lungwort				S3S4	57	4.5 ± 0.0	NB
P	<i>Lobelia kalmii</i>	Brook Lobelia				S3S4	18	3.8 ± 1.0	NB
P	<i>Suaeda calceoliformis</i>	Horned Sea-blite				S3S4	13	8.6 ± 1.0	NB
P	<i>Myriophyllum sibiricum</i>	Siberian Water Milfoil				S3S4	37	6.8 ± 0.0	NB
P	<i>Stachys pilosa</i>	Hairy Hedge-Nettle				S3S4	7	4.5 ± 0.0	NB
P	<i>Utricularia gibba</i>	Humped Bladderwort				S3S4	32	6.6 ± 0.0	NB
P	<i>Rumex fueginus</i>	Tierra del Fuego Dock				S3S4	1	76.1 ± 1.0	NB
P	<i>Drymocallis arguta</i>	Tall Wood Beauty				S3S4	30	4.5 ± 0.0	NB
P	<i>Rubus chamaemorus</i>	Cloudberry				S3S4	117	4.5 ± 0.0	NB
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	14	4.5 ± 0.0	NB
P	<i>Juniperus horizontalis</i>	Creeping Juniper				S3S4	43	4.5 ± 0.0	NB
P	<i>Cladium mariscoides</i>	Smooth Twigrush				S3S4	66	10.1 ± 0.0	NB
P	<i>Eriophorum russeolum</i>	Russet Cottongrass				S3S4	11	9.0 ± 1.0	NB
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	23	4.4 ± 1.0	NB
P	<i>Spirodela polyrhiza</i>	Great Duckweed				S3S4	40	35.5 ± 0.0	NB
P	<i>Corallorhiza maculata</i>	Spotted Coralroot				S3S4	25	2.8 ± 1.0	NB
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S3S4	7	4.5 ± 0.0	NB
P	<i>Distichlis spicata</i>	Salt Grass				S3S4	3	74.3 ± 0.0	NB
P	<i>Potamogeton oakesianus</i>	Oakes' Pondweed				S3S4	49	11.6 ± 0.0	NB
P	<i>Montia fontana</i>	Water Blinks				SH	1	58.7 ± 1.0	NB
P	<i>Solidago caesia</i>	Blue-stemmed Goldenrod				SX	2	3.8 ± 1.0	NB
P	<i>Celastrus scandens</i>	Climbing Bittersweet				SX	2	94.6 ± 100.0	NB
P	<i>Carex swanii</i>	Swan's Sedge				SX	83	70.4 ± 0.0	NS

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

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12	McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute.
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11	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
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10	Noseworthy, J. 2013. Van Brunt's Jacob's-ladder observations along tributary of Dipper Harbour Ck. Nature Conservancy of Canada, 10 recs.
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9	Lovit, M. 2015. Rare Passamaquoddy Flora of Grand Manan. New Brunswick Museum, Florence M. Christie Grant in Botany, 32 pp.
9	McAlpine, D.F. 1983. Status & Conservation of Solution Caves in New Brunswick. New Brunswick Museum, Publications in Natural Science, no. 1, 28pp.
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6	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
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6	Sabine, M. 2016. Black Ash records from NB DNR permanent forest sampling Plots. New Brunswick Department of Natural Resources, 39 recs.

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3	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
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3	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
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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.
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2	Bagnell, B.A. 2003. Update to New Brunswick Rare Bryophyte Occurrences. B&B Botanical, Sussex, 5 recs.
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2	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
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2	Clayden, S.R.; Goltz, J.P. 2018. Emails to Sean Blaney on occurrence of Polygonum douglasii at Big Bluff, Kings Co., New Brunswick. pers. comm., 1 record.
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2	Edsall, J. 1992. Summer 1992 Report. New Brunswick Bird Info Line, 2 recs.
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2	Epworth, W. 2013. Species at Risk records, 2013. Fort Folly Habitat Recovery Program, 27 recs.
2	Goltz, J. 2017. Harlequin Duck observations. New Brunswick Department of Agriculture, Aquaculture and Fisheries.
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2	McCain, J. & R.B. Pike and A.R. Hodgdon. 1973. The vascular flora of Kent Island, New Brunswick. Rhodora 75:311-322, 2 records.
2	NatureServe Canada. 2018. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
2	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
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2	Phillips, B. 2017. Emails to John Klymko regarding Eastern Waterfan (Peltigera hydrothyria) occurrences in Fundy National Park. Fundy Biosphere Reserve, 3 recs.
2	Proulx, V.D. 2002. Selaginella rupestris sight record at Centreville, Nova Scotia. Virginia D. Proulx collection, 2 recs.

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2	Walker, E.M. 1942. Additions to the List of Odonates of the Maritime Provinces. Proc. Nova Scotian Inst. Sci., 20. 4: 159-176. 2 recs.
2	Webster, R.P. Email to John Klymko detailing records of butterflies collected by Reggie Webster in June 2017. Webster, R.P. 2017.
2	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
1	Amirault, D.L. 1997-2000. Unpublished files. Canadian Wildlife Service, Sackville, 470 recs.
1	Basquill, S.P. 2018. Various specimens. NS DNR field work. NS Department of Natural Resources, 10.
1	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
1	Belliveau, A.G. E.C. Smith Herbarium Specimen Database 2019. E.C. Smith Herbarium, Acadia University. 2019.
1	Benedict, B. <i>Agalinis neoscotica</i> specimen from Grand Manan. 2009.
1	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
1	Bredin, K.A. 2000. NB & NS Bog Project, fieldwork. Atlantic Canada Conservation Data Centre, Sackville, 1 rec.
1	Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.
1	Brunelle, P.-M. 2005. Wood Turtle observations. Pers. comm. to S.H. Gerriets, 21 Sep. 3 recs, 3 recs.
1	Brunton, D. F. & McIntosh, K. L. <i>Agalinis neoscotica</i> herbarium record from D. F. Brunton Herbarium. D.F. Brunton Herbarium, Ottawa. 2005.
1	Calhoun, J.C. Butterfly records databased at the McGuire Center for Lepidoptera and Biodiversity. Calhoun, J.C. 2020.
1	Cameron, R.P. 2009. <i>Erioderma pedicellatum</i> database, 1979-2008. Dept Environment & Labour, 103 recs.
1	Clark, R. 2021. Email to S. Blaney, re: Wood Turtle observation from near Hunters Home, Queens Co., NB., May 20 2021. Rosemarie Clark <rsmr_clrk.luvfam@hotmail.ca>, 1 record.
1	Clayden, S.R. 2007. NBM Science Collections. Pers. comm. to D. Mazerolle, 1 rec.
1	Clayden, S.R. 2020. Email regarding Blue Felt Lichen ( <i>Pectenaria plumbea</i> ) occurrences in New Brunswick, from Stephen Clayden to Sean Blaney. pers. comm., 2 records.
1	Cook, K. 2016. Wood Turtle record. Pers comm. to Nova Scotia Department of Lands and Forestry.
1	COSEWIC (Committee on the Status of Wildlife in Canada). 2013. COSEWIC Assessment and Status Report on the Eastern Waterflea <i>Peltigera hydrothyria</i> in Canada. COSEWIC, 46 pp.
1	Crowell, M.J. Plant specimens from Nictaux, NS sent to Sean Blaney for identification. Jacques Whitford Limited. 2005.
1	Dadswell, M.J. 1979. Status Report on Shortnose Sturgeon ( <i>Acipenser brevirostrum</i> ) in Canada. Committee on the Status of Endangered Wildlife in Canada, 15 pp.
1	Daury, R.W. & Bateman, M.C. 1996. The Barrow's Goldeneye ( <i>Bucephala islandica</i> ) in the Atlantic Provinces and Maine. Canadian Wildlife Service, Sackville, 47pp.
1	Dept of Fisheries & Oceans. 1999. Status of Wild Striped Bass, & Interaction between Wild & Cultured Striped Bass in the Maritime Provinces. , Science Stock Status Report D3-22. 13 recs.
1	Edsall, J. 1993. Summer 1993 Report. New Brunswick Bird Info Line, 2 recs.
1	Elderkin M.F. 2007. <i>Selaginella rupestris</i> , <i>Iris prismatica</i> & <i>Lophiola aurea</i> records in NS. NS Dept of Natural Resources, Wildlife Div. Pers. comm. to C.S. Blaney, 3 recs.
1	Gobeil, R.E. 1865. Butterflies On Kent Island, New Brunswick. Journal of the Lepidopterists' Society. , 19(3): 181-183.
1	Goltz, J.P. 2016. Email to Sean Blaney re: discovery of <i>Carex waponahkikensis</i> at Campobello Island. pers. comm., 1 record.
1	Goltz, J.P. 2020. Email to Sean Blaney regarding <i>Anchistea virginica</i> (Virginia Chain-fern) at Magaguadavic Lake, NB. pers. comm., 1 record.
1	Hicklin, P.W. 1990. Shorebird Concentration Sites (unpubl. data). Canadian Wildlife Service, Sackville, 296 sites, 30 spp.
1	Hill, N. 2014. 2014 Monarch email report, Bridgetown, NS. Fern Hill Institute for Plant Conservation.
1	Hill, N.M., Myra, M. 2017. Email to Sean Blaney regarding rich intervale flora on Nictaux River. Fern Hill Institute, 3 records.
1	Hinds, H.R. 2000. Flora of New Brunswick (2nd Ed.). University New Brunswick, 694 pp.
1	Hinds, H.R. 2000. Rare plants of Fundy in Rare Plants of Fundy: maps. Wissink, R. (ed.) Parks Canada, 2 recs.
1	Holder, M. & Kingsley, A.L. 2000. Peatland Insects in NB & NS: Results of surveys in 10 bogs during summer 2000. Atlantic Canada Conservation Data Centre, Sackville, 118 recs.
1	Jessop, B. 2004. <i>Acipenser oxyrinchus</i> locations. Dept of Fisheries & Oceans, Atlantic Region, Pers. comm. to K. Bredin. 1 rec.
1	Jolicœur, G. 2008. Anticosti Aster at Chapel Bar, St John River. QC DOE? Pers. comm. to D.M. Mazerolle, 1 rec.
1	Klymko, J. Univeriste de Moncton insect collection butterfly record dataset. Atlantic Canada Conservation Data Centre. 2017.
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1	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
1	LaFlamme, C. 2008. Discovery of <i>Goodyera pubescens</i> at Springdale, NB. Amec Earth and Environmental. Pers. comm. to D.M. Mazerolle, 1 rec.
1	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
1	Maass, W.S.G. & Yetman, D. 2002. Assessment and status report on the boreal felt lichen ( <i>Erioderma pedicellatum</i> ) in Canada. Committee on the Status of Endangered Wildlife in Canada, 1 rec.
1	MacFarlane, Wayne. 2018. Skunk Cabbage observation on Long Island, Kings Co. NB. Pers. comm., 1 records.
1	MacKinnon, D.S. 2013. Email report of Peregrine Falcon nest E of St. Martins NB. NS Department of Environment and Labour, 1 record.
1	Majka, C. 2009. Université de Moncton Insect Collection: Carabidae, Cerambycidae, Coccinellidae. Université de Moncton, 540 recs.
1	McAlpine, D.F. & Collingwood, L. 1989. Rare Salamander Survey in Fundy National Park. Fundy National Park, Internal Documents, 1 rec.
1	McAlpine, D.F. & Cox, S.L., McCabe, D.A., Schnare, J.-L. 2004. Occurrence of the Long-tailed Shrew ( <i>Sorex dispar</i> ) in the Nerepis Hills NB. Northeastern Naturalist, vol 11 (4) 383-386. 1 rec.
1	McAlpine, D.F. 1983. Species Record Cards. Fundy National Park, Library, 1 rec.
1	McIlraith, A.L. 1986. Additions to the flora of Kent Island, New Brunswick. <i>Rhodora</i> 88:441-443, 1 record.
1	McIntosh, W. 1904. Supplementary List of the Lepidoptera of New Brunswick. Bulletin of the Natural History Society of New Brunswick, 23: 355-357.
1	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
1	Nature Trust of New Brunswick. 2020. Nature Trust of New Brunswick 2020 staff observations of species occurrence data. Nature Trust of New Brunswick, 133 records.
1	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
1	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
1	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
1	Newell, R. & Neily, T.; Toms, B.; Proulx, G. et al. 2011. NCC Properties Fieldwork in NS: August-September 2010. Nature Conservancy Canada, 106 recs.
1	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.



# recs	CITATION
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1	Parker, M. 2018. East Coast Aquatics ACCDC 2018 Report. East Coast Aquatics, 12 records.
1	Phinney, L. 2019. Little Brown Myotis maternal colony counts and birdSAR, 2019. Mersey Tobeatic Research Institute.
1	Poirier, Nelson. 2012. Geranium robertianum record for NB. Pers. comm. to S. Blaney, Sep. 6, 1 rec.
1	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
1	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.
1	Robicheau, C. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
1	Sabine, D.L. & Goltz, J.P. 2006. Discovery of <i>Utricularia resupinata</i> at Little Otter Lake, CFB Gagetown. Pers. comm. to D.M. Mazerolle, 1 rec.
1	Sabine, D.L. 2004. Specimen data: Whittaker Lake & Marysville NB. Pers. comm. to C.S. Blaney, 2pp, 4 recs.
1	Sabine, D.L. 2012. Bronze Copper records, 2003-06. New Brunswick Dept of Natural Resources, 5 recs.
1	Sabine, D.L. 2013. Dwaine Sabine butterfly records, 2009 and earlier.
1	Simpson, D. Collection sites for Black Ash seed lots preserved at the National Tree Seed Centre in Fredericton NB. National Tree Seed Centre, Canadian Forest Service. 2016.
1	Smith, M. 2013. Email to Sean Blaney regarding <i>Schizaea pusilla</i> at Caribou Plain Bog, Fundy NP. pers. comm., 1 rec.
1	Taylor, Eric B. 1997. Status of the Sympatric Smelt (genus <i>Osmerus</i> ) Populations of Lake Utopia, New Brunswick. Committee on the Status of Endangered Wildlife in Canada, 1 rec.
1	Toner, M. 2001. Lynx Records 1973-2000. NB Dept of Natural Resources, 29 recs.
1	Toner, M. 2005. <i>Listera australis</i> population at Bull Pasture Plains. NB Dept of Natural Resources. Pers. comm. to S. Blaney, 8 recs.
1	Toner, M. 2009. Wood Turtle Sightings. NB Dept of Natural Resources. Pers. comm. to S. Gerriets, Jul 13 & Sep 2, 2 recs.
1	Toner, M. 2011. Wood Turtle sighting. NB Dept of Natural Resources. Pers. com. to S. Gerriets, Sep 2, photo, 1 rec.
1	Torenvliet, Ed. 2010. Wood Turtle roadkill. NB Dept of Transport. Pers. com. to R. Lautenschlager, Aug. 20, photos, 1 rec.
1	Tummer, Kevin. 2016. Email communication (April 30, 2016) to John Klymko regarding Snapping Turtle observation in Nova Scotia. Pers. Comm.
1	Vinson, Neil. 2018. Record of <i>Saxifraga paniculata</i> from Fundy NP, emailed to S. Blaney 19 July 2018. Pers. comm.
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	Webster, R.P. Reggie Webster's records of <i>Encyclops caerulea</i> . pers. collection. 2018.
1	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
1	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
1	Wissink, R. 2000. Four-toed Salamander Survey results, 2000. Fundy National Park, Internal Documents, 1 rec.
1	Wong, Sarah. 2020. Two Chimney Swift observation made by Sarah Wong. pers. comm. to Sean Blaney.

# Atlantic Canada Conservation Data Centre Data Dictionary

Revised: July 21, 2021

## I. Biodiversity Database

The following fields of data may be included (and may or may not be populated) in occurrence records. Text fields are 255 char max. (and may truncate text).

TAXONOMY						
Field	Type	Definition				
MCODE	TXT	8 character 'Museum Code' (1 to 4 = genus, 5 to 8 = sp+ssp)				
ELCODE	TXT	Unique Identifier of taxon				
SCINAME	TXT	Global Scientific Name of taxon				
COMNAME	TXT	English Common Name of taxon				
NOMCOMMUN	TXT	French Common Name				
LOCATION						
Field	Type	Definition				
SURVEYSITE	TXT	General locality of occurrence				
DIRECTIONS	TXT	Specific locality: e.g. bearings and distance from enduring landmark				
SUBNAT	TXT	Province/State: 2 character ISO code				
COCODE	TXT	County Code (2 chars for province + 4 chars for county name)				
MAPCODE	TXT	Map number: NTS identifier in Canada				
UTME20	INT	Easting in UTM Zone 20				
UTMN20	INT	Northing in UTM Zone 20				
LONDEC	DEC	Decimal Longitude				
LATDEC	DEC	Decimal Latitude				
LOCUNCM	INT	Horizontal precision in metres				
PREC	DEC	Precision in metres by power of 10 (e.g. 3 = 10 to the 3rd = 1000 m = 1 km):				
		prec	common speech	example	unit size	literal range
		6.0	within province	province	1000.0 km	562.3 - 1778.3 km
		5.7	in part of province	'NW NB'	500.0 km	281.2 - 889.1 km
		5.0	within in county	county	100.0 km	56.2 - 177.8 km
		4.7	within 50s of kilometres		50.0 km	28.1 - 88.9 km
		4.0	within 10s of kilometres	BBA grid	10.0 km	5.6 - 17.8 km
		3.7	within 5s of kilometres		5.0 km	2.8 - 8.9 km
		3.0	within kilometres	topo grid	1.0 km	0.6 - 1.8 km
		2.7	within 500s of metres		500.0 m	281.2 - 889.1 m
		2.0	within 100s of metres	ball field	100.0 m	56.2 - 177.8 m
		1.7	within 50s of metres		50.0 m	28.1 - 88.9 m
		1.0	within 10s of metres	boxcar	10.0 m	5.6 - 17.8 m
0.7	within 5s of metres		5.0 m	2.8 - 8.9 m		
0.0	<b>NOT USED</b>	pace	1.0 m	0.6 - 1.8 m		
-1.0	within 10s of centimetres	finger nail	0.1 m	0.1 - 0.2 m		
RARITY / STATUS						
Field	Type	Definition				
NRANK	TXT	National Rarity Rank of taxon (in Canada)				
NPROT	TXT	National Protection Status of taxon (i.e., COSEWIC in Canada)				
NPROTSAR	TXT	National Protection Status of taxon (i.e., SARA in Canada):				
		code	Rank and short definition			
		X	Extinct in Canada and elsewhere			
		XT	Extirpated in Canada but surviving elsewhere			
		E	Endangered in Canada			
		T	Threatened in Canada			
		V	Vulnerable in Canada			
		SC	Special Concern in Canada			
		DD	Data Deficient: data inadequate for assessment			
		NAR	Not At Risk in Canada			
		SRANK	TXT	Subnational (Provincial) Rarity Rank of taxon:		
		code	Rank and short definition			
		SX	Extinct or extirpated in province			
		SH	Historically occurring but currently undetected in province			
		S1	Extremely rare in province			
		S2	Rare in province			

		<b>S3</b>	Uncommon in province
		<b>S4</b>	Widespread, common and apparently secure in province
		<b>S5</b>	Widespread, abundant and demonstrably secure in province
		<b>SE</b>	Exotic in province
		<b>SA</b>	Accidental, infrequent and outside of range within province
		<b>SNA</b>	Ranking not applicable in province
		<b>SNR</b>	Not yet assessed in province
IUCN	TXT	International Union of Conservation Naturalists rarity rank:	
		<b>code</b>	<b>Rank and short definition</b>
		<b>EX</b>	Extinct: no individuals remaining
		<b>EW</b>	Extinct in the Wild: only captive or naturalised survivors
		<b>CR</b>	Critically Endangered: extreme risk of extinction in wild
		<b>EN</b>	Endangered: high risk of extinction in wild
		<b>VU</b>	Vulnerable: high risk of endangerment in wild
		<b>NT</b>	Near Threatened: likely to become endangered soon
		<b>LC</b>	Least Concern: lowest risk, widespread and abundant
		<b>DD</b>	Data Deficient: data inadequate for assessment
		<b>NE</b>	Not Evaluated, not yet assessed against criteria
<b>OBSERVATION</b>			
<b>Field</b>	<b>Type</b>	<b>Definition</b>	
OBSERVER	TXT	Individual(s) that observed the taxon	
OBDATE	TXT	Date of observation (YYYY MM DD)	
<b>OBDATA</b>	TXT	Concatenation of fields below, relating to observation	
OBEVID	TXT	Type of evidence (e.g., specimen, photo)	
OBCOUNT	TXT	Number of individuals at location	
OBABUN	TXT	Relative rarity of taxon at location, e.g. 'common', 'scattered'	
OBSIZE	TXT	Size of individual	
SIZE	TXT	Size of occurrence 'patch' (in m <sup>2</sup> , ha or acres)	
OBDESC	TXT	Details of specimen appearance or conditions	
OBPHEN	TXT	Lifestage of individual (e.g., bud, flowering)	
OBSEX	TXT	Male/female if relevant	
OBACTIV	TXT	Activity of individual when observed (e.g., nesting, crossing road)	
OBASSP	TXT	Other taxa associated with the observation	
NOTETAX	TXT	Identifier's note on taxonomic issues	
<b>GENDESC</b>	TXT	Concatenation of fields below, relating to site	
HABITAT	TXT	Habitat characterization of location	
ECODIST	NUM	National Ecological Framework EcoDistrict identifier	
WSCODE	TXT	Quaternary Watershed identifier	
<b>GENCOM</b>	TXT	General Comments: concatenation of Notes (NOTE1, NOTE2, NOTE3)	
<b>COLLECTION</b>			
<b>Field</b>	<b>Type</b>	<b>Definition</b>	
CITATION	TXT	Primary source of data	
<b>DATA MANAGEMENT</b>			
<b>Field</b>	<b>Type</b>	<b>Definition</b>	
IDNUM	TXT	AC CDC record Unique ID	
EDITION	TXT	Last editor's initials and date (YYYY MM DD)	

## II. Managed and Biologically Significant Areas (MSA) Database

The following fields of data may be included (and may or may not be populated) for Managed and Biologically Significant Areas.

<b>IDENTITY AND DESCRIPTION</b>		
<b>Field</b>	<b>Type</b>	<b>Definition</b>
msaGIS	INT	Unique GIS feature identifier
msaCode	TXT	Unique identifier for the MSA feature
msaClass	TXT	Whether the MSA feature is a Managed Area (MA) or biologically Significant Area (SA)
msaName	TXT	MSA feature name
msaNameFr	TXT	MSA feature name (French)
description	TXT	Description of the MSA feature
notes	TXT	Additional notes about the MSA feature
<b>JURISDICTION / OWNERSHIP</b>		
<b>Field</b>	<b>Type</b>	<b>Definition</b>
localJuris	TXT	Mandated agency with jurisdiction over property
owner	TXT	Property owner
ownerCom	TXT	Details of multiparty arrangements

ownerDate	TXT	Date of property possession	
<b>CLASSIFICATION</b>			
<b>Field</b>	<b>Type</b>	<b>Definition</b>	
protStat	TXT	Activities permitted or restricted (when known)	
legalAct	TXT	Title of enabling legislation	
legalDate	TXT	Year of enabling legislation	
estabDate	TXT	Year of site designation	
aichit11	TXT	Whether the site counts towards the Aichi Target 11 and Canada Target 1 biodiversity targets (yes or no)	
oecm	TXT	Other effective area-based conservation means (yes or no)	
iucnCat	TXT	IUCN protected area category. For complete category descriptions, visit <a href="https://www.iucn.org/theme/protected-areas/about/protected-area-categories">https://www.iucn.org/theme/protected-areas/about/protected-area-categories</a> . Features categorized as "YES" are sites which meet the standard definition of a protected area, but the category of protection has not yet been determined and features categorized as "N/A" are other area-based conservation measures or sites that do not meet the protected area definition (2018 Canadian Protected and Conserved Areas Database (CPCAD) User Manual).	
msaType	TXT	MSA feature type:	
		<b>group</b>	<b>Designation</b>
		Conservation	Conservation Area
			Conservation Easement
			Fee-Simple Ownership by Environmental Non-Governmental Conservation Organization
			Land Trust Property
			Natural Area
			Nature Preserve
			Nature Reserve
			Nature Reserve and Conservation Easement
			Nature Trail
			Other Effective Area-Based Conservation Measure
			Privately Owned Conservation Area
			Privately Owned Natural Area
			Protected Area
			Protected Beach
		Protected Natural Area	
		Provincially Owned Natural Area	
		To be determined	
		Heritage	Heritage River
			Museum
			National Historic Event
			National Historic Site
			Provincial Heritage Site
			Provincial Historic Site
			Provincial Historic/Heritage Park
		UNESCO World Heritage Site	
		Parks	Municipal Park
			National Park
			Nature Park
			Park
			Privately Owned Park
			Provincial Park
		Wilderness	Provincial Park Beach
			Ecological Reserve
			Environmentally Sensitive Area
			Significant Ecological Area
			Significant Ecological Area/International Biological Program
		Wildlife	Wilderness Area
			Wilderness Reserve
Eastern Habitat Joint Venture			
Important Bird Area (IBA)			
Marine Protected Area			
Migratory Bird Sanctuary			
National Wildlife Area			
Privately Owned Wildlife Management Area			
Provincial Wildlife Management Area			
Wildlife Management Area			
Wildlife Park			
Wildlife Refuge			
Wildlife Reserve			
Wildlife Sanctuary			
Other	Education Area		
	Experimental Area		
	Federal Corrections Facility		
	Fossil Site		
		International Biological Program	

			Memorial Site
			Other Managed Area
			RAMSAR Wetland Site
			Special Management Area
			Water Supply Area
			Watershed
LOCATION AND SPATIAL ATTRIBUTES			
<i>Field</i>	<i>Type</i>	<i>Definition</i>	
subnat	TXT	Two-letter jurisdiction code (NB, NS, PE, NF, LB)	
location	TXT	Directions to the MSA feature	
biome	TXT	Whether an MSA feature falls within the terrestrial (T) or marine (M) environment	
mapCode	TXT	The National Topographic System (NTS) map square the centre of the MSA feature falls within	
coCode	TXT	Provincial county code (2 chars for province + 4 chars for county name)	
latDec	DEC	Latitude of the centre of the MSA feature	
lonDec	DEC	Longitude of the centre of the MSA feature	
utmE20	INT	Easting of the centre of the MSA feature (NAD83 UTM Zone 20N)	
utmN20	INT	Northing of the centre of the MSA feature (NAD83 UTM Zone 20N)	
extentN	DEC	Northern extent of the MSA feature	
extentS	DEC	Southern extent of the MSA feature	
extentE	DEC	Eastern extent of the MSA feature	
extentW	DEC	Western extent of the MSA feature	
areaHa	DEC	Area of the polygon (ha)	
SOURCE ATTRIBUTES			
<i>Field</i>	<i>Type</i>	<i>Definition</i>	
sourceId	TXT	Unique ID of the MSA feature in the source dataset	
jurisId	TXT	Unique ID of the MSA feature in the original dataset	
srcFeatType	TXT	Whether the feature was a point (PT) or polygon feature (PY) in the source dataset. True boundaries of point MSA features are not known. Points have been buffered by 15m to be included in this MSA database	
url	TXT	Associated website holding additional information about the source feature or database	
bestSource	TXT	Unique identifier for the source database	
citation	TXT	Primary source of data	
edition	TXT	Initials and date (YYYY MM DD) pertaining to the last edit to the MSA feature	