

## Appendix F: ACCDC Report

# DATA REPORT 5982: West Saint John, NB

Prepared 8 December 2017  
by J. Churchill, Data Manager

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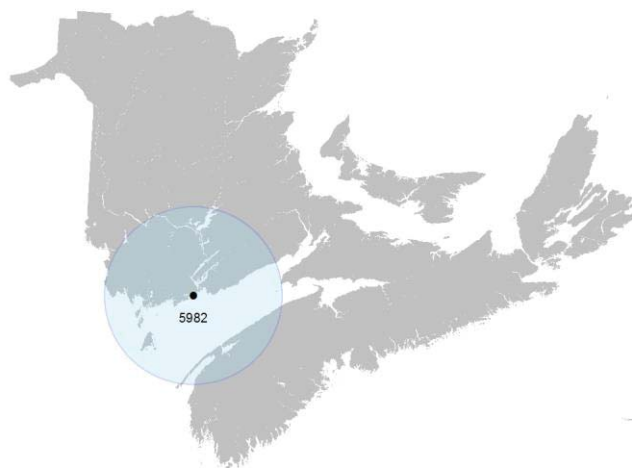
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Map 1. A 100 km buffer around the study area

## 1.0 PREFACE

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

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

### 1.1 DATA LIST

Included datasets:

Filename	Contents
WStJohnNB_5982ob.xls	All Rare and legally protected <i>Flora and Fauna</i> in your study area
WStJohnNB_5982ob100km.xls	A list of Rare and legally protected <i>Flora and Fauna</i> within 100 km of your study area
WStJohnNB_5982ma.xls	All <i>Managed Areas</i> in your study area
WStJohnNB_5982sa.xls	All <i>Significant Natural Areas</i> in your study area
WStJohnNB_5982wf.xls	Rare and common <i>Waterfowl</i> in your study area (CWS database)
WStJohnNB_5982sf.xls	Rare and common <i>Saltwater Fish</i> in your study area (DFO database)

## 1.2 RESTRICTIONS

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

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

## 1.3 ADDITIONAL INFORMATION

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

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

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

Sean Blaney, Senior Scientist, Executive Director

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Questions on the biology of Federal Species at Risk can be directed to ACCDC: (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 Stewart Lusk, Natural Resources: (506) 453-7110.

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

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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

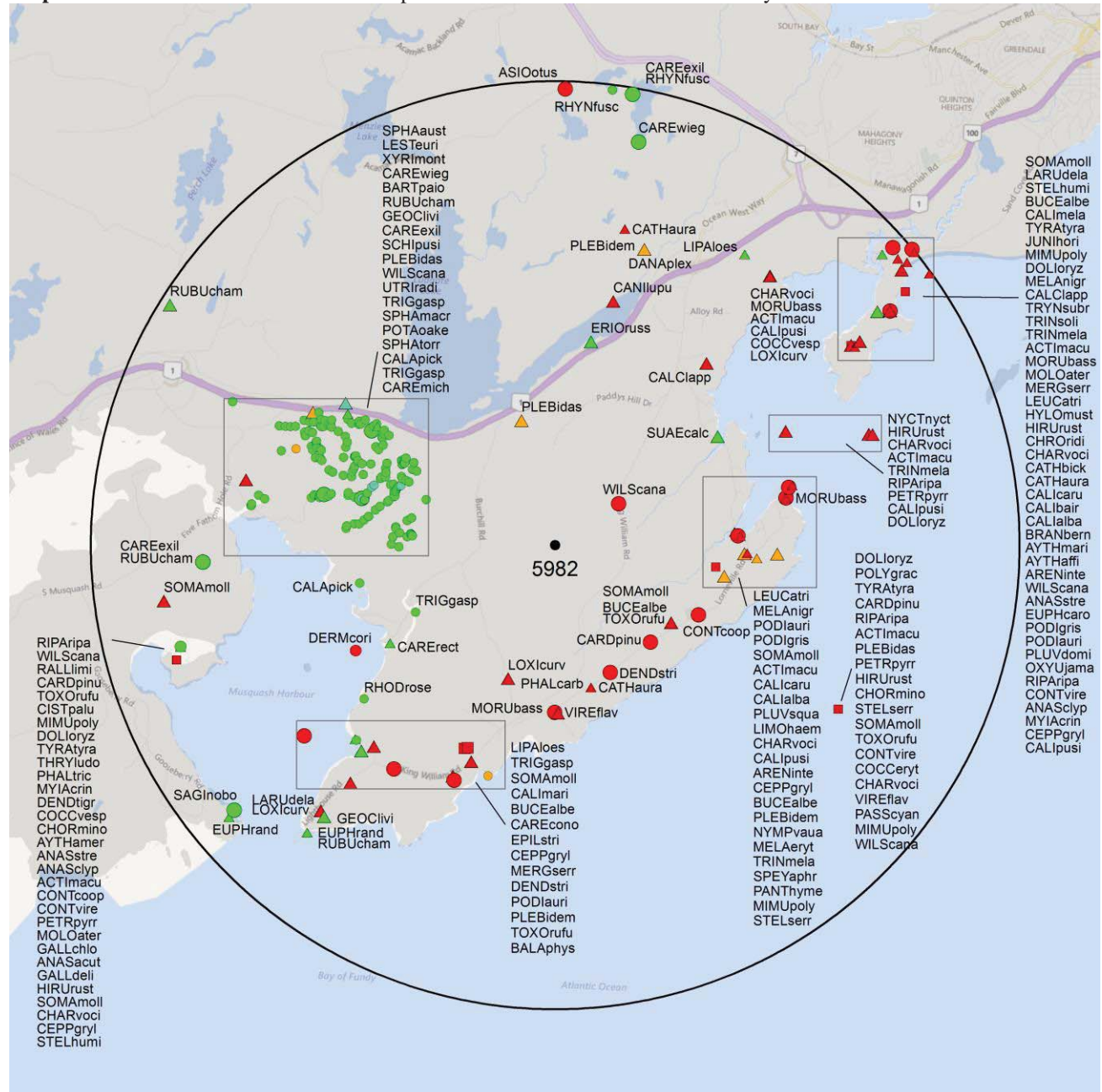
### 2.1 FLORA

The study area contains 212 records of 24 vascular, 5 records of 3 nonvascular flora (Map 2 and attached: \*ob.xls).

### 2.2 FAUNA

The study area contains 473 records of 74 vertebrate, 16 records of 8 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

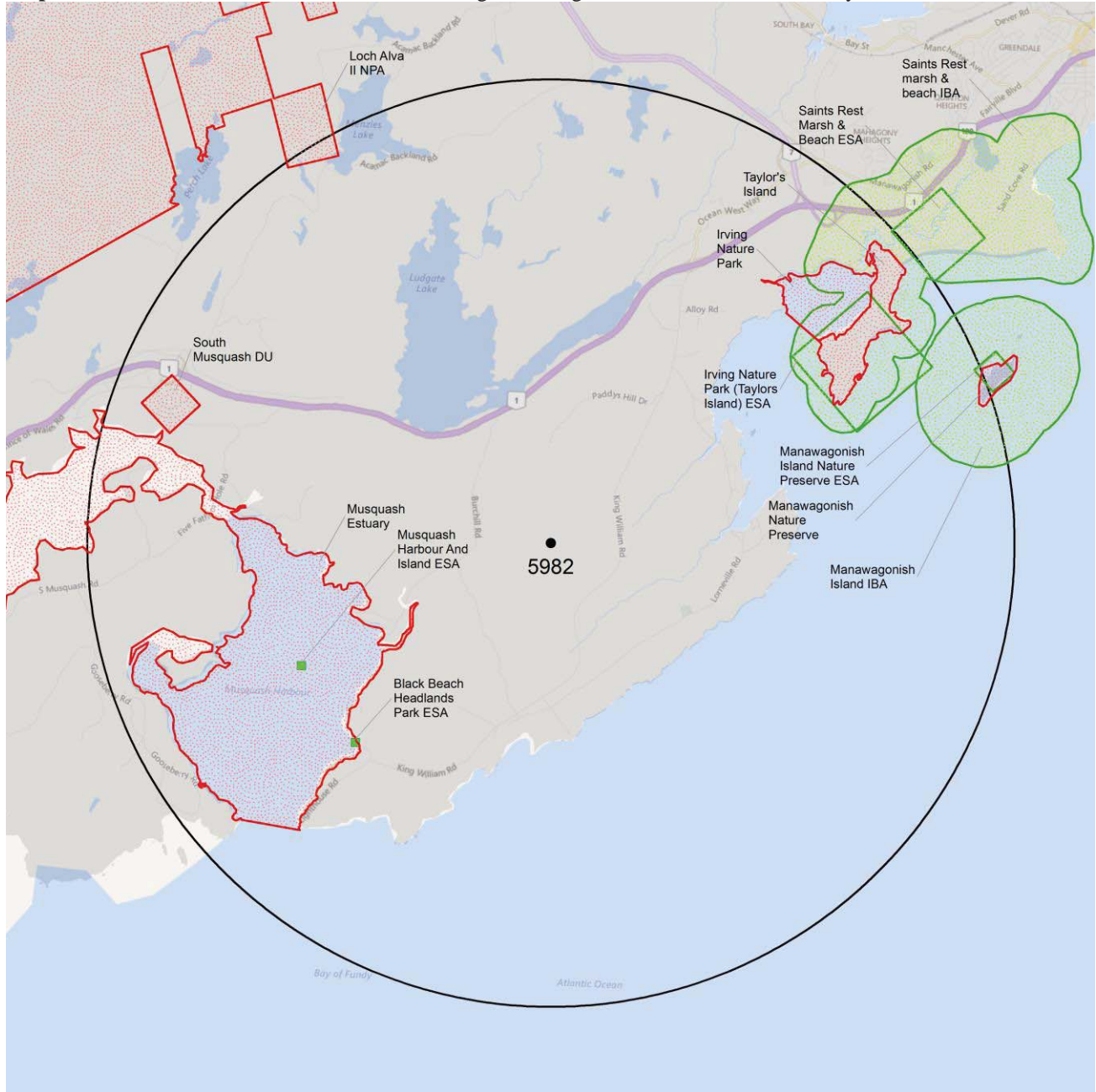
#### 3.1 MANAGED AREAS

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

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



**MANAGED AREAS    SIGNIFIGANT AREAS**



## 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	Prov GS Rank	# recs	Distance (km)
N	<i>Sphagnum macrophyllum</i>	Sphagnum				S1	2 May Be At Risk	1	2.9 $\pm$ 0.0
N	<i>Sphagnum torreyanum</i>	Peatmoss				S3S4	4 Secure	3	2.5 $\pm$ 0.0
N	<i>Sphagnum austinii</i>	Austin's Peat Moss				S3S4	4 Secure	1	3.8 $\pm$ 1.0
P	<i>Schizaea pusilla</i>	Little Clubgrass Fern				S1	2 May Be At Risk	9	2.5 $\pm$ 0.0
P	<i>Sagina nodosa ssp. borealis</i>	Knotted Pearlwort				S2	3 Sensitive	1	6.3 $\pm$ 0.0
P	<i>Euphrasia randii</i>	Rand's Eyebright				S2	2 May Be At Risk	2	5.7 $\pm$ 0.0
P	<i>Bartonia paniculata ssp. iodandra</i>	Branched Bartonia				S2S3	3 Sensitive	1	3.3 $\pm$ 0.0
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S3	4 Secure	3	5.8 $\pm$ 0.0
P	<i>Rhodiola rosea</i>	Roseroot				S3	4 Secure	1	3.7 $\pm$ 0.0
P	<i>Utricularia radiata</i>	Little Floating Bladderwort				S3	4 Secure	2	2.6 $\pm$ 0.0
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	4 Secure	1	4.3 $\pm$ 1.0
P	<i>Carex conoidea</i>	Field Sedge				S3	4 Secure	1	4.3 $\pm$ 1.0
P	<i>Carex exilis</i>	Coastal Sedge				S3	4 Secure	55	2.2 $\pm$ 0.0
P	<i>Carex michauxiana</i>	Michaux's Sedge				S3	4 Secure	10	2.4 $\pm$ 0.0
P	<i>Carex wiedandii</i>	Wiegand's Sedge				S3	4 Secure	8	2.2 $\pm$ 0.0
P	<i>Carex recta</i>	Estuary Sedge				S3	4 Secure	1	2.9 $\pm$ 0.0
P	<i>Rhynchospora fusca</i>	Brown Beakrush				S3	4 Secure	3	6.9 $\pm$ 0.0
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3	4 Secure	2	4.2 $\pm$ 0.0
P	<i>Calamagrostis pickeringii</i>	Pickering's Reed Grass				S3	4 Secure	66	2.1 $\pm$ 0.0
P	<i>Xyris montana</i>	Northern Yellow-Eyed-Grass				S3	4 Secure	1	3.7 $\pm$ 0.0
P	<i>Suaeda calceoliformis</i>	Horned Sea-blite				S3S4	4 Secure	1	2.9 $\pm$ 1.0
P	<i>Rubus chamaemorus</i>	Cloudberry				S3S4	4 Secure	28	2.3 $\pm$ 0.0
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	4 Secure	6	2.2 $\pm$ 0.0
P	<i>Juniperus horizontalis</i>	Creeping Juniper				S3S4	4 Secure	1	6.0 $\pm$ 1.0
P	<i>Eriophorum russeolum</i>	Russet Cottongrass				S3S4	4 Secure	1	3.1 $\pm$ 1.0
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	4 Secure	7	2.3 $\pm$ 0.0
P	<i>Potamogeton oakesianus</i>	Oakes Pondweed				S3S4	4 Secure	1	3.0 $\pm$ 0.0

### 4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Dermochelys coriacea (Atlantic pop.)</i>	Leatherback Sea Turtle - Atlantic pop.	Endangered	Endangered	Endangered	S1S2N	1 At Risk	1	3.4 $\pm$ 0.0
A	<i>Calidris canutus rufa</i>	Red Knot rufa ssp	Endangered		Endangered	S2M	1 At Risk	6	2.7 $\pm$ 0.0
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened		Threatened	S1S2B,S1S2M	2 May Be At Risk	1	5.5 $\pm$ 1.0
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened		Threatened	S2B,S2M	3 Sensitive	16	4.9 $\pm$ 7.0
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Special Concern	Threatened	S2B,S2M	1 At Risk	1	5.5 $\pm$ 1.0
A	<i>Riparia riparia</i>	Barn Swallow	Threatened		Threatened	S2S3B,S2S3M	3 Sensitive	10	4.9 $\pm$ 7.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Threatened	Threatened	Threatened	S3B,S3M	1 At Risk	4	2.4 $\pm$ 0.0
A	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	Threatened	Threatened	S3B,S3M	1 At Risk	7	1.1 $\pm$ 0.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened		Threatened	S3B,S3M	3 Sensitive	5	4.9 $\pm$ 7.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Threatened	Threatened	Threatened	S3B,S4M	1 At Risk	2	4.9 $\pm$ 7.0
A	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	Threatened	Threatened	Threatened	SNA	8 Accidental	1	2.9 $\pm$ 0.0
A	<i>Balaenoptera physalus</i>	Fin Whale - Atlantic pop.	Special Concern	Special Concern	Special Concern	S2S3	1 At Risk	1	4.7 $\pm$ 1.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	2 May Be At Risk	1	5.4 $\pm$ 2.0
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern			S3B,S3S4N,S4M	3 Sensitive	2	5.2 $\pm$ 3.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern		Special Concern	S4B,S4M	4 Secure	6	4.9 □ 7.0
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern		Special Concern	S4N,S4M	4 Secure	9	3.5 □ 1.0
A	<i>Tryngites subruficollis</i>	Bluff-breasted Sandpiper	Special Concern			SNA	8 Accidental	2	5.5 □ 1.0
A	<i>Podiceps grisegena</i>	Red-necked Grebe	Not At Risk			S3M,S2N	3 Sensitive	8	3.6 □ 0.0
A	<i>Canis lupus</i>	Gray Wolf	Not At Risk		Extirpated	S□	0.1 Extirpated	1	3.8 □ 1.0
A	<i>Vireo flavifrons</i>	Yellow-throated Vireo				S1□B,S1□M	8 Accidental	5	2.5 □ 0.0
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S1□B,S5M	4 Secure	11	2.7 □ 0.0
A	<i>Aythya americana</i>	Redhead				S1B,S1M	8 Accidental	1	6.0 □ 7.0
A	<i>Gallinula chloropus</i>	Common Moorhen				S1B,S1M	3 Sensitive	3	6.0 □ 7.0
A	<i>Phalaropus tricolor</i>	Wilson's Phalarope				S1B,S1M	3 Sensitive	1	6.0 □ 7.0
A	<i>Leucophaeus atricilla</i>	Laughing Gull				S1B,S1M	3 Sensitive	2	3.7 □ 0.0
A	<i>Thryothorus ludovicianus</i>	Carolina Wren				S1B,S1M	8 Accidental	1	6.0 □ 7.0
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B,S2S3M	4 Secure	3	5.5 □ 1.0
A	<i>Aythya affinis</i>	Lesser Scaup				S1B,S4M	4 Secure	10	5.5 □ 1.0
A	<i>Aythya marila</i>	Greater Scaup				S1B,S4M,S2N	4 Secure	1	5.5 □ 1.0
A	<i>Branta bernicla</i>	Brant				S1N,S2S3M	4 Secure	2	5.5 □ 1.0
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S1N,S2M	3 Sensitive	1	5.5 □ 1.0
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1S2B,S1S2M	3 Sensitive	1	3.9 □ 1.0
A	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow				S1S2B,S1S2M	2 May Be At Risk	2	2.4 □ 7.0
A	<i>Calidris bairdii</i>	Baird's Sandpiper				S1S2M	3 Sensitive	6	5.5 □ 1.0
A	<i>Cistothorus palustris</i>	Marsh Wren				S2B,S2M	3 Sensitive	2	6.0 □ 7.0
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S2B,S2M	3 Sensitive	7	2.4 □ 7.0
A	<i>Toxostoma rufum</i>	Brown Thrasher				S2B,S2M	3 Sensitive	4	2.1 □ 2.0
A	<i>Anas strepera</i>	Gadwall				S2B,S3M	4 Secure	9	5.5 □ 1.0
A	<i>Tringa solitaria</i>	Solitary Sandpiper				S2B,S5M	4 Secure	1	5.5 □ 1.0
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2N,S2M	4 Secure	2	2.2 □ 0.0
A	<i>Asio otus</i>	Long-eared Owl				S2S3	5 Indetermined	1	6.9 □ 0.0
A	<i>Anas clypeata</i>	Northern Shoveler				S2S3B,S2S3M	4 Secure	2	5.5 □ 1.0
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S2S3B,S2S3M	3 Sensitive	2	5.4 □ 4.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B,S2S3M	3 Sensitive	4	4.9 □ 7.0
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	3 Sensitive	12	5.5 □ 1.0
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S2S3N,S□M	3 Sensitive	5	3.6 □ 1.0
A	<i>Cephus grylle</i>	Black Gullinot				S3	4 Secure	9	2.8 □ 0.0
A	<i>Loxia curvirostra</i>	Red Crossbill				S3	4 Secure	3	2.1 □ 1.0
A	<i>Carduelis pinus</i>	Pine Siskin				S3	4 Secure	3	2.1 □ 0.0
A	<i>Cathartes aura</i>	Turkey Vulture				S3B,S3M	4 Secure	8	2.2 □ 0.0
A	<i>Rallus limicola</i>	Virginia Rail				S3B,S3M	3 Sensitive	2	6.0 □ 7.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B,S3M	3 Sensitive	9	2.7 □ 0.0
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B,S3M	4 Secure	1	4.9 □ 7.0
A	<i>Passerina cyanea</i>	Indigo Bunting				S3B,S3M	4 Secure	1	4.9 □ 7.0
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S3B,S3M	2 May Be At Risk	4	5.5 □ 1.0
A	<i>Somateria mollissima</i>	Common Eider				S3B,S4M,S3N	4 Secure	55	2.1 □ 2.0
A	<i>Dendroica tigrina</i>	Cape May Warbler				S3B,S4S5M	4 Secure	2	6.0 □ 7.0
A	<i>Anas acuta</i>	Northern Pintail				S3B,S5M	3 Sensitive	1	6.0 □ 7.0
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	4 Secure	6	3.3 □ 15.0
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	4 Secure	11	2.7 □ 0.0
A	<i>Melanitta nigra</i>	Black Scoter				S3M,S1S2N	3 Sensitive	12	3.6 □ 0.0
A	<i>Bucephala albeola</i>	Bufflehead				S3M,S2N	3 Sensitive	28	2.1 □ 2.0
A	<i>Calidris maritima</i>	Purple Sandpiper				S3M,S3N	4 Secure	2	3.3 □ 15.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B,S3S4M	3 Sensitive	6	4.9 □ 7.0
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	4 Secure	17	2.7 □ 0.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B,S5M	4 Secure	1	6.0 □ 7.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Larus delawarensis</i>	Ring-billed Gull				S3S4B,S5M	4 Secure	13	5.3 ± 1.0
A	<i>Dendroica striata</i>	Blackpoll Warbler				S3S4B,S5M	4 Secure	2	2.1 ± 0.0
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3S4M	4 Secure	3	2.7 ± 0.0
A	<i>Limosa haemastica</i>	Hudsonian Godwit				S3S4M	4 Secure	1	2.7 ± 0.0
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3S4M	4 Secure	53	2.7 ± 0.0
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3S4M	4 Secure	10	5.5 ± 1.0
A	<i>Calidris alba</i>	Sanderling				S3S4M,S1N	3 Sensitive	21	2.7 ± 0.0
A	<i>Morus bassanus</i>	Northern Gannet				SHB,S5M	4 Secure	4	2.5 ± 2.0
□	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Special Concern	S3B,S3M	3 Sensitive	1	4.7 ± 1.0
□	<i>Plebejus idas</i>	Northern Blue				S3	4 Secure	3	1.9 ± 1.0
□	<i>Plebejus idas empetri</i>	Crowberry Blue				S3	4 Secure	4	2.9 ± 1.0
□	<i>Speyeria aphrodite</i>	Aphrodite Tortillary				S3	4 Secure	1	3.4 ± 1.0
□	<i>Polygonia gracilis</i>	Hoary Comma				S3	4 Secure	1	4.9 ± 7.0
□	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S3	4 Secure	3	2.9 ± 1.0
□	<i>Lestes eurinus</i>	Amber-Winged Spreadwing				S3	4 Secure	1	4.2 ± 1.0
□	<i>Pantala hymenaea</i>	Spot-Winged Glider				S3B,S3M	4 Secure	2	2.6 ± 1.0

### 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
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	No
<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
<i>Bat Hibernaculum</i>		Endangered †	Endangered †	No

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



#### 4.4 SOURCE BIBLIOGRAPHY

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

# recs	CITATION
302	eBird. 2014. eBird Basic Dataset. Version: EBDrelNov-2014. Ithaca, New York: Nov 2014. Cornell Lab of Ornithology, 25036 recs.
184	Blaney, C.S. & Mazerolle, D.M. 2011. Field data from NCC properties at Miramichi Marsh Harbour NB & Goose Lake NS. Atlantic Canada Conservation Data Centre, 1739 recs.
62	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
32	Morrison, G. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
29	Ersine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax 82,125 recs.
24	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs & 11149 non-zero
9	Tims, J. & Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA) NB Dept of Environment & Nature Trust of New Brunswick Inc, 6042 recs.
6	Blaney, C.S. & Mazerolle, D.M. & Klymko, J. & Spicer, C.D. 2006. Fieldwork 2006. Atlantic Canada Conservation Data Centre. Sackville NB, 8399 recs.
6	Pardieck, K.L. & Sollows, J. Jr., D.J. & Hudson, M.-A.R. 2014. North American Breeding Bird Survey Dataset 1966 - 2013, version 2013.0. U.S. Geological Survey, Patuxent Wildlife Research Center www.pwrc.usgs.gov/BBS/RawData/
5	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
5	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
5	Tims, J. & Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA) NB Dept of Environment & Nature Trust of New Brunswick Inc.
4	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2003.
4	Swanenberg, K. (compiler) 2001. Trawl database 1970-95. DFO Atlantic Region, 484633 recs.
3	Bishop, G., Bagnell, B.A. 2004. Site Assessment of Miramichi Marsh Harbour, Nature Conservancy of Canada Property - Preliminary Botanical Survey. B&B Botanical, 12pp.
3	Blaney, C.S. & Spicer, C.D. & Popma, T.M. & Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
3	Brinelle, P.-M. (compiler) 2009. ADP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADP) 24200 recs.
3	Edsall, J. 2001. Lepidopteran records in New Brunswick, 1997-99. Pers. comm. to K.A. Bredin. 91 recs.
3	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
2	Benedict, B. Connell Herbarium Specimens (Data). University New Brunswick, Fredericton. 2003.
2	Bird Studies Canada & Nature Canada. 2004-10. Important Bird Areas of Canada Database. Bird Studies Canada, Port Rowan ON, 62 objects.
2	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
2	Blaney, C.S. & Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
2	Hinds, H.R. 1999. A Vascular Plant Survey of the Miramichi Estuary in New Brunswick, 12pp.
2	NSDNR website
2	Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
2	Thomas, A.W. 1996. A preliminary atlas of the butterflies of New Brunswick. New Brunswick Museum.
2	Tingley, S. (compiler) 2001. Butterflies of New Brunswick, Web site: www.geocities.com/Yosemite/8425/butterfly. 142 recs.
1	Atlantic Canada Conservation Area Database (ARCAD)
1	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
1	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
1	Crain, D. 2007. Protected Natural Areas digital map. NBDNRE.
1	Doocet, D.A. 2007. Lepidopteran Records, 1988-2006. Doocet, 700 recs.
1	Hinds, H.R. 1986. Notes on New Brunswick plant collections. Connell Memorial Herbarium, unpubl, 739 recs.
1	Klymko, J.J.D. 2012. Maritimes Butterfly Atlas, 2010 and 2011 records. Atlantic Canada Conservation Data Centre, 6318 recs.
1	NTS Map
1	Peabody, Nature Trust NB 2000
1	Sollows, M.C. 2008. NBM Science Collections databases: herpetiles. New Brunswick Museum, Saint John NB, download Jan. 2008, 8636 recs.
1	Speers, L. 2008. Butterflies of Canada database: New Brunswick 1897-1999. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 2048 recs.
1	Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.

## 5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 33416 records of 148 vertebrate and 1135 records of 76 invertebrate fauna; 6002 records of 347 vascular, 391 records of 146 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. 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	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	1 At Ris	58	10.4 $\pm$ 1.0	NB
A	<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	Endangered	Endangered	Endangered	S1	1 At Ris	17	11.7 $\pm$ 0.0	NB
A	<i>Perimyotis subflavus</i>	Eastern Pipistrelle	Endangered	Endangered	Endangered	S1	1 At Ris	8	11.7 $\pm$ 0.0	NB
A	<i>Eubalaena glacialis</i>	North Atlantic Right Whale	Endangered	Endangered	Endangered	S1		7	60.3 $\pm$ 5.0	NB
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B,S1M	1 At Ris	3	43.5 $\pm$ 0.0	NB
A	<i>Charadrius melodus melodus</i>	Piping Plover <i>melodus</i> ssp	Endangered	Endangered	Endangered	S1B,S1M	1 At Ris	23	7.1 $\pm$ 0.0	NB
A	<i>Dermochelys coriacea</i> (Atlantic pop.)	Leatherback Sea Turtle - Atlantic pop.	Endangered	Endangered	Endangered	S1S2N	1 At Ris	4	3.4 $\pm$ 0.0	NB
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy pop.	Endangered	Endangered	Endangered	S2	2 May Be At Ris	45	27.7 $\pm$ 0.0	NB
A	<i>Calidris canutus rufa</i>	Red Knot rufa ssp	Endangered		Endangered	S2M	1 At Ris	377	2.7 $\pm$ 0.0	NB
A	<i>Rangifer tarandus pop. 2</i>	Woodland Caribou (Atlantic-Gasp Peninsula pop.)	Endangered	Endangered	Extirpated	S	0.1 Extirpated	4	32.2 $\pm$ 5.0	NB
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened		Threatened	S1B,S1M	2 May Be At Ris	39	38.3 $\pm$ 7.0	NB
A	<i>Ixobrychus exilis</i>	Least Bittern	Threatened	Threatened	Threatened	S1S2B,S1S2M	1 At Ris	29	9.7 $\pm$ 0.0	NB
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened		Threatened	S1S2B,S1S2M	2 May Be At Ris	178	5.5 $\pm$ 1.0	NB
A	<i>Caprimulgus vociferus</i>	Whip-Poor-Will	Threatened	Threatened	Threatened	S2B,S2M	1 At Ris	78	7.4 $\pm$ 7.0	NB
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened		Threatened	S2B,S2M	3 Sensitive	1293	4.9 $\pm$ 7.0	NB
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Special Concern	Threatened	S2B,S2M	1 At Ris	24	5.5 $\pm$ 1.0	NB
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2S3	1 At Ris	85	7.9 $\pm$ 10.0	NB
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Threatened	S2S3B,S2M	1 At Ris	441	15.7 $\pm$ 0.0	NB
A	<i>Riparia riparia</i>	Barn Swallow	Threatened		Threatened	S2S3B,S2S3M	3 Sensitive	393	4.9 $\pm$ 7.0	NB
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened		Threatened	S3	4 Sec	1	52.8 $\pm$ 1.0	NB
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Threatened	Threatened	Threatened	S3B,S3M	1 At Ris	328	2.4 $\pm$ 0.0	NB
A	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	Threatened	Threatened	S3B,S3M	1 At Ris	775	1.1 $\pm$ 0.0	NB
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened		Threatened	S3B,S3M	3 Sensitive	792	4.9 $\pm$ 7.0	NB
A	<i>Chordeiles minor</i>	Common Nighthawk	Threatened	Threatened	Threatened	S3B,S4M	1 At Ris	310	4.9 $\pm$ 7.0	NB
A	<i>Anguilla rostrata</i>	American Eel	Threatened		Threatened	S4	4 Sec	38	7.0 $\pm$ 0.0	NB
A	<i>Osmerus mordax pop. 2</i>	Large Topia Smelt large-bodied pop.	Threatened		Threatened			2	46.6 $\pm$ 10.0	NB
A	<i>Coturnicops noveboracensis</i>	Yellow Rail	Special Concern	Special Concern	Special Concern	S1B,S1M	2 May Be At Ris	3	68.0 $\pm$ 7.0	NB
A	<i>Histrionicus histrionicus pop. 1</i>	Harlequin Duck - Eastern pop.	Special Concern	Special Concern	Endangered	S1B,S1S2N,S2M	1 At Ris	163	17.1 $\pm$ 17.0	NB
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - Atlantic/Andrius	Special Concern	Special Concern	Endangered	S1B,S3M	1 At Ris	626	3.5 $\pm$ 1.0	NB
A	<i>Asio flammeus</i>	Short-eared Owl	Special Concern	Special Concern	Special Concern	S2B,S2M	3 Sensitive	17	45.7 $\pm$ 7.0	NB
A	<i>Bucephala islandica</i> (Eastern pop.)	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	3 Sensitive	49	10.7 $\pm$ 6.0	NB
A	<i>Balaenoptera physalus</i>	Fin Whale - Atlantic pop.	Special Concern	Special Concern	Special Concern	S2S3		5	4.7 $\pm$ 1.0	NB
A	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Special Concern	Special Concern	Special Concern	S3	3 Sensitive	7	13.6 $\pm$ 10.0	NB
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Special Concern	S3	3 Sensitive	35	31.2 $\pm$ 1.0	NB
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	2 May Be At Ris	125	5.4 $\pm$ 2.0	NB
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern			S3B,S3S4N,S1M	3 Sensitive	286	5.2 $\pm$ 3.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern			S3M	3 Sensitive	219	7.1 □ 0.0	NB
A	<i>Phocoena phocoena</i> (NW Atlantic pop.)	Harbor Porpoise - Northwest Atlantic pop.	Special Concern	Threatened		S4		231	14.6 □ 0.0	NB
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern		Special Concern	S4B,S4M	4 Secure	599	4.9 □ 7.0	NB
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern		Special Concern	S4N,S4M	4 Secure	270	3.5 □ 1.0	NB
A	<i>Odobenus rosmarus rosmarus</i>	Atlantic Walrus	Special Concern		Extirpated	S□		1	71.3 □ 5.0	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S1□	5 Indetermined	13	77.1 □ 0.0	NS
A	<i>Bubo scandiacus</i>	Snowy Owl	Not At Risk			S1N,S2S3M	4 Secure	30	10.7 □ 6.0	NB
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1S2B,S1S2M	2 May Be At Risk	17	48.1 □ 7.0	NB
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1S2B,S1S2M	3 Sensitive	8	47.2 □ 7.0	NB
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S1S2B,S□M	2 May Be At Risk	5	36.4 □ 7.0	NB
A	<i>Sorex dispar</i>	Long-tailed Shrew	Not At Risk	Special Concern		S2	3 Sensitive	2	35.1 □ 1.0	NB
A	<i>Buteo lineatus</i>	Red-shafted Hawk	Not At Risk	Special Concern		S2B,S2M	2 May Be At Risk	48	32.5 □ 1.0	NB
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S2B,S2M	3 Sensitive	136	39.5 □ 7.0	NB
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3		3	15.7 □ 1.0	NB
A	<i>Lynx canadensis</i>	Canadian Lynx	Not At Risk		Endangered	S3	1 At Risk	9	31.6 □ 1.0	NB
A	<i>Desmognathus fuscus</i>	Northern Dusky Salamander	Not At Risk			S3	3 Sensitive	43	10.8 □ 1.0	NB
A	<i>Megaptera novaeangliae</i>	Humpback Whale - NW Atlantic pop.	Not At Risk	Special Concern		S3		4	63.7 □ 5.0	NB
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B,S□M	3 Sensitive	272	7.5 □ 10.0	NB
A	<i>Podiceps grisegena</i>	Red-necked Grebe	Not At Risk			S3M,S2N	3 Sensitive	679	3.6 □ 0.0	NB
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4		1	15.7 □ 1.0	NB
A	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Not At Risk		Endangered	S4	1 At Risk	1403	3.7 □ 1.0	NB
A	<i>Canis lupus</i>	Gray Wolf	Not At Risk		Extirpated	S□	0.1 Extirpated	4	3.8 □ 1.0	NB
A	<i>Puma concolor pop. 1</i>	Eastern Cougar	Data Deficient		Endangered	S□	5 Indetermined	60	14.6 □ 1.0	NB
A	<i>Morone saxatilis</i>	Striped Bass	E,E,SC			S3	2 May Be At Risk	10	13.6 □ 10.0	NB
A	<i>Salvelinus alpinus</i>	Arctic Char				S1	3 Sensitive	3	82.9 □ 0.0	NB
A	<i>Vireo flavifrons</i>	Yellow-throated Vireo				S1□B,S1□M	8 Accidental	16	2.5 □ 0.0	NB
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S1□B,S5M	4 Secure	940	2.7 □ 0.0	NB
A	<i>Aythya americana</i>	Redhead				S1B,S1M	8 Accidental	4	6.0 □ 7.0	NB
A	<i>Gallinula chloropus</i>	Common Moorhen				S1B,S1M	3 Sensitive	25	6.0 □ 7.0	NB
A	<i>Grus canadensis</i>	Sandhill Crane				S1B,S1M	8 Accidental	9	24.2 □ 0.0	NB
A	<i>Bartramia longicauda</i>	Wetland Sandpiper				S1B,S1M	3 Sensitive	45	32.0 □ 0.0	NB
A	<i>Phalaropus tricolor</i>	Wilson's Phalarope				S1B,S1M	3 Sensitive	58	6.0 □ 7.0	NB
A	<i>Leucophaeus atricilla</i>	Laughing Gull				S1B,S1M	3 Sensitive	84	3.7 □ 0.0	NB
A	<i>Progne subis</i>	Purple Martin				S1B,S1M	2 May Be At Risk	217	18.7 □ 7.0	NB
A	<i>Thryothorus ludovicianus</i>	Carolina Wren				S1B,S1M	8 Accidental	35	6.0 □ 7.0	NB
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B,S2S3M	4 Secure	52	5.5 □ 1.0	NB
A	<i>Uria aalge</i>	Common Murre				S1B,S3N,S3M	4 Secure	137	16.2 □ 15.0	NB
A	<i>Aythya affinis</i>	Lesser Scaup				S1B,S4M	4 Secure	203	5.5 □ 1.0	NB
A	<i>Aythya marila</i>	Greater Scaup				S1B,S4M,S2N	4 Secure	37	5.5 □ 1.0	NB
A	<i>Eremophila alpestris</i>	Horned Lark				S1B,S4N,S5M	2 May Be At Risk	29	7.3 □ 1.0	NB
A	<i>Sterna paradisaea</i>	Arctic Tern				S1B,S□M	2 May Be At Risk	127	19.2 □ 16.0	NB
A	<i>Fratercula arctica</i>	Atlantic Puffin				S1B,S□N,S□M	3 Sensitive	164	16.2 □ 15.0	NB
A	<i>Branta bernicla</i>	Brant				S1N,S2S3M	4 Secure	544	5.5 □ 1.0	NB
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S1N,S2M	3 Sensitive	42	5.5 □ 1.0	NB
A	<i>Butorides virescens</i>	Green Heron				S1S2B,S1S2M	3 Sensitive	22	14.4 □ 5.0	NB
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1S2B,S1S2M	3 Sensitive	62	3.9 □ 1.0	NB
A	<i>Empidonax traillii</i>	Willow Flycatcher				S1S2B,S1S2M	3 Sensitive	93	9.0 □ 7.0	NB
A	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow				S1S2B,S1S2M	2 May Be At Risk	19	2.4 □ 7.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>Troglodytes aedon</i>	House Wren				S1S2B,S1S2M	5 Indetermined	31	9.0 □ 7.0	NB
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S1S2B,S4N,S5M	4 Secure	49	28.3 □ 7.0	NB
A	<i>Calidris bairdii</i>	Baird's Sandpiper				S1S2M	3 Sensitive	101	5.5 □ 1.0	NB
A	<i>Cistothorus palustris</i>	Marsh Wren				S2B,S2M	3 Sensitive	89	6.0 □ 7.0	NB
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S2B,S2M	3 Sensitive	150	2.4 □ 7.0	NB
A	<i>Toxostoma rufum</i>	Brown Thrasher				S2B,S2M	3 Sensitive	86	2.1 □ 2.0	NB
A	<i>Pooecetes gramineus</i>	Vesper Sparrow				S2B,S2M	2 May Be At Risk	76	11.4 □ 0.0	NB
A	<i>Anas strepera</i>	Gadwall				S2B,S3M	4 Secure	108	5.5 □ 1.0	NB
A	<i>Alca torda</i>	Razorbill				S2B,S3N,S3M	4 Secure	161	16.2 □ 15.0	NB
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S2B,S4S5N,S4S5M	3 Sensitive	34	39.8 □ 7.0	NB
A	<i>Tringa solitaria</i>	Solitary Sandpiper				S2B,S5M	4 Secure	248	5.5 □ 1.0	NB
A	<i>Oceanodroma leucorhoa</i>	Leach's Storm-Petrel				S2B,S□M	3 Sensitive	126	32.4 □ 32.0	NB
A	<i>Chen caerulescens</i>	Snow Goose				S2M	4 Secure	6	7.6 □ 1.0	NB
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2N,S2M	4 Secure	316	2.2 □ 0.0	NB
A	<i>Somateria spectabilis</i>	King Eider				S2N,S2M	4 Secure	56	40.3 □ 9.0	NB
A	<i>Larus hyperboreus</i>	Glaucous Gull				S2N,S2M	4 Secure	156	7.3 □ 1.0	NB
A	<i>Asio otus</i>	Long-eared Owl				S2S3	5 Indetermined	16	6.9 □ 0.0	NB
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S2S3	3 Sensitive	9	47.9 □ 7.0	NB
A	<i>Salmo salar</i>	Atlantic Salmon				S2S3	2 May Be At Risk	35	13.7 □ 0.0	NB
A	<i>Anas clypeata</i>	Northern Shoveler				S2S3B,S2S3M	4 Secure	82	5.5 □ 1.0	NB
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S2S3B,S2S3M	3 Sensitive	240	5.4 □ 4.0	NB
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B,S2S3M	3 Sensitive	532	4.9 □ 7.0	NB
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	3 Sensitive	265	5.5 □ 1.0	NB
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S2S3N,S□M	3 Sensitive	38	3.6 □ 1.0	NB
A	<i>Cephus grylle</i>	Black Gull				S3	4 Secure	779	2.8 □ 0.0	NB
A	<i>Loxia curvirostra</i>	Red Crossbill				S3	4 Secure	129	2.1 □ 1.0	NB
A	<i>Carduelis pinus</i>	Pine Siskin				S3	4 Secure	292	2.1 □ 0.0	NB
A	<i>Prosopium cylindraceum</i>	Round Whitefish				S3	4 Secure	1	84.3 □ 0.0	NB
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	3 Sensitive	4	16.1 □ 0.0	NB
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	4 Secure	1	76.2 □ 0.0	NS
A	<i>Eptesicus fuscus</i>	Big Brown Bat				S3	3 Sensitive	45	14.5 □ 1.0	NB
A	<i>Cathartes aura</i>	Turkey Vulture				S3B,S3M	4 Secure	285	2.2 □ 0.0	NB
A	<i>Rallus limicola</i>	Virginia Rail				S3B,S3M	3 Sensitive	119	6.0 □ 7.0	NB
A	<i>Charadrius vociferus</i>	Killdeer				S3B,S3M	3 Sensitive	797	2.7 □ 0.0	NB
A	<i>Tringa semipalmata</i>	Willet				S3B,S3M	3 Sensitive	178	7.1 □ 0.0	NB
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B,S3M	4 Secure	183	4.9 □ 7.0	NB
A	<i>Vireo gilvus</i>	Warbling Vireo				S3B,S3M	4 Secure	230	18.4 □ 7.0	NB
A	<i>Piranga olivacea</i>	Scarlet Tanager				S3B,S3M	4 Secure	119	18.7 □ 7.0	NB
A	<i>Passerina cyanea</i>	Indigo Bunting				S3B,S3M	4 Secure	101	4.9 □ 7.0	NB
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S3B,S3M	2 May Be At Risk	283	5.5 □ 1.0	NB
A	<i>Icterus galbula</i>	Baltimore Oriole				S3B,S3M	4 Secure	192	12.7 □ 2.0	NB
A	<i>Somateria mollissima</i>	Common Eider				S3B,S4M,S3N	4 Secure	1944	2.1 □ 2.0	NB
A	<i>Dendroica tigrina</i>	Cape May Warbler				S3B,S4S5M	4 Secure	129	6.0 □ 7.0	NB
A	<i>Anas acuta</i>	Northern Pintail				S3B,S5M	3 Sensitive	52	6.0 □ 7.0	NB
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	4 Secure	380	3.3 □ 15.0	NB
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	4 Secure	697	2.7 □ 0.0	NB
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S3M	3 Sensitive	121	32.4 □ 32.0	NB
A	<i>Melanitta nigra</i>	Black Scoter				S3M,S1S2N	3 Sensitive	810	3.6 □ 0.0	NB
A	<i>Bucephala albeola</i>	Bufflehead				S3M,S2N	3 Sensitive	1114	2.1 □ 2.0	NB
A	<i>Calidris maritima</i>	Purple Sandpiper				S3M,S3N	4 Secure	251	3.3 □ 15.0	NB
A	<i>Uria lomvia</i>	Thick-billed Murre				S3N,S3M	5 Indetermined	67	11.9 □ 8.0	NB
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3S4	4 Secure	79	39.0 □ 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B,S3S4M	3 Sensitive	505	4.9 □ 7.0	NB
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	4 Sec□re	882	2.7 □ 0.0	NB
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B,S5M	4 Sec□re	661	6.0 □ 7.0	NB
A	<i>Larus delawarensis</i>	Ring-billed G□ll				S3S4B,S5M	4 Sec□re	236	5.3 □ 1.0	NB
A	<i>Dendroica striata</i>	Blackpoll Warbler				S3S4B,S5M	4 Sec□re	88	2.1 □ 0.0	NB
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3S4M	4 Sec□re	841	2.7 □ 0.0	NB
A	<i>Limosa haemastica</i>	Hudsonian Godwit				S3S4M	4 Sec□re	92	2.7 □ 0.0	NB
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3S4M	4 Sec□re	2031	2.7 □ 0.0	NB
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3S4M	4 Sec□re	304	5.5 □ 1.0	NB
A	<i>Calidris alba</i>	Sanderling				S3S4M,S1N	3 Sensitive	846	2.7 □ 0.0	NB
A	<i>Morus bassanus</i>	Northern Gannet				SHB,S5M	4 Sec□re	835	2.5 □ 2.0	NB
A	<i>Lanius ludovicianus</i>	Loggerhead Shrike				S1B,S□M	1 At Risk□	1	77.1 □ 1.0	NB
C	<i>Quercus macrocarpa</i> - <i>Acer rubrum</i> / <i>Onoclea sensibilis</i> - <i>Carex arcta</i> Forest	Black Oak - Red Maple / Sensitive Fern - Northern Clustered Sedge Forest				S2		1	77.2 □ 0.0	
C	<i>Acer saccharinum</i> / <i>Onoclea sensibilis</i> - <i>Lysimachia terrestris</i> Forest	Silver Maple / Sensitive Fern - Swamp Yellow Loosestrife Forest				S3		1	62.5 □ 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	39.0 □ 0.0	NB
□	<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	Endangered	Endangered	Endangered	S1	1 At Risk□	34	80.6 □ 0.0	NB
□	<i>Gomphus ventricosus</i>	Smillett Clubtail	Endangered		Endangered	S1S2	2 May Be At Risk□	48	65.3 □ 0.0	NB
□	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Special Concern	S3B,S3M	3 Sensitive	105	4.7 □ 1.0	NB
□	<i>Ophiogomphus howei</i>	Pygmy Snake-tail	Special Concern	Special Concern	Special Concern	S2	2 May Be At Risk□	3	51.6 □ 0.0	NB
□	<i>Alasmidonta varicosa</i>	Brook Loater	Special Concern		Special Concern	S2	3 Sensitive	1	90.7 □ 0.0	NB
□	<i>Lampsilis cariosa</i>	Yellow Lampshell	Special Concern	Special Concern	Special Concern	S2	3 Sensitive	98	41.7 □ 1.0	NB
□	<i>Bombus terricola</i>	Yellow-banded Bumblebee	Special Concern		Special Concern	S3□	3 Sensitive	14	53.6 □ 0.0	NB
□	<i>Appalachina sayana</i>	Spine-lip Crater	Not At Risk□			S3□		1	21.7 □ 1.0	NB
□	<i>Haematopota rara</i>	Shy Cleg				S1	5 Undetermined	1	91.8 □ 1.0	NB
□	<i>Lycaena dorcas</i>	Dorcas Copper				S1	2 May Be At Risk□	1	72.2 □ 0.0	NB
□	<i>Erora laeta</i>	Early Hairstreak				S1	2 May Be At Risk□	3	68.2 □ 1.0	NS
□	<i>Arigomphus furcifer</i>	Lilypad Clubtail				S1	5 Undetermined	6	71.6 □ 0.0	NB
□	<i>Polites origenes</i>	Crossline Skipper				S1□	5 Undetermined	4	59.3 □ 0.0	NB
□	<i>Plebejus saepiolus</i>	Greenish Blue				S1S2	4 Sec□re	3	46.3 □ 0.0	NB
□	<i>Ophiogomphus colubrinus</i>	Boreal Snake-tail				S1S2	2 May Be At Risk□	36	21.9 □ 1.0	NB
□	<i>Brachyleptura circumdata</i>	Longhorned Beetle				S2		6	79.4 □ 0.0	NB
□	<i>Satyrium calanus</i>	Banded Hairstreak				S2	3 Sensitive	15	71.9 □ 1.0	NS
□	<i>Satyrium calanus falacer</i>	Banded Hairstreak				S2	4 Sec□re	4	91.3 □ 1.0	NB
□	<i>Strymon melinus</i>	Grey Hairstreak				S2	4 Sec□re	6	9.8 □ 0.0	NB
□	<i>Aeshna clepsydra</i>	Mottled Damselfly				S2	3 Sensitive	15	13.4 □ 1.0	NB
□	<i>Somatochlora tenebrosa</i>	Clamp-Tipped Emerald				S2	5 Undetermined	7	82.1 □ 0.0	NB
□	<i>Ladona exusta</i>	White Corporal				S2	5 Undetermined	11	66.0 □ 1.0	NB
□	<i>Hetaerina americana</i>	American Ruby-spot				S2	3 Sensitive	2	90.1 □ 0.0	NB
□	<i>Ischnura posita</i>	Delicate Darter				S2	2 May Be At Risk□	26	50.9 □ 0.0	NB
□	<i>Callophrys henrici</i>	Henry's Elfin				S2S3	4 Sec□re	15	68.2 □ 1.0	NS
□	<i>Celithemis martha</i>	Martha's Pennant				S2S3	5 Undetermined	3	11.7 □ 0.0	NB
□	<i>Sphaeroderus nitidicollis</i>	Ground Beetle				S3	4 Sec□re	1	79.4 □ 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
	<i>Lepturoopsis biforis</i>	a Longhorned Beetle				S3		1	14.7 □ 1.0	NB
	<i>Orthosoma brunneum</i>	a Longhorned Beetle				S3		1	79.8 □ 5.0	NB
	<i>Elaphrus americanus</i>	a Ground Beetle				S3	4 Secure	1	81.6 □ 0.0	NB
	<i>Desmocerus palliatus</i>	Elderberry Borer				S3		4	14.7 □ 1.0	NB
	<i>Agonum excavatum</i>	a Ground Beetle				S3	4 Secure	1	81.6 □ 0.0	NB
	<i>Clivina americana</i>	a Ground Beetle				S3	4 Secure	1	81.6 □ 0.0	NB
	<i>Olisthopus parmatius</i>	a Ground Beetle				S3	4 Secure	1	79.4 □ 0.0	NB
	<i>Paratachys scitulus</i>	a Ground Beetle				S3	5 Indetermined	1	81.6 □ 0.0	NB
	<i>Coccinella hieroglyphica kirbyi</i>	a Ladybird Beetle				S3	4 Secure	1	14.7 □ 1.0	NB
	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	4 Secure	2	14.7 □ 1.0	NB
	<i>Stenocorus vittigera</i>	a Longhorned Beetle				S3		1	81.6 □ 0.0	NB
	<i>Gnathacmaeops pratensis</i>	a Longhorned Beetle				S3		5	14.7 □ 1.0	NB
	<i>Pogonocherus mixtus</i>	a Longhorned Beetle				S3		1	14.7 □ 1.0	NB
	<i>Badister neopulchellus</i>	a Ground Beetle				S3	4 Secure	1	81.6 □ 0.0	NB
	<i>Saperda lateralis</i>	a Longhorned Beetle				S3		2	18.1 □ 0.0	NB
	<i>Hesperia sassacus</i>	Indian Skipper				S3	4 Secure	8	80.5 □ 0.0	NB
	<i>Euphyes bimacula</i>	Two-spotted Skipper				S3	4 Secure	12	40.7 □ 0.0	NB
	<i>Lycaena hyllus</i>	Bronze Copper				S3	3 Sensitive	4	10.7 □ 1.0	NB
	<i>Satyrium acadica</i>	Acadian Hairstreak				S3	4 Secure	23	14.7 □ 1.0	NB
	<i>Callophrys polios</i>	Hoary Elfin				S3	4 Secure	18	14.7 □ 1.0	NB
	<i>Plebejus idas</i>	Northern Blue				S3	4 Secure	9	1.9 □ 1.0	NB
	<i>Plebejus idas empetri</i>	Crowberry Blue				S3	4 Secure	6	2.9 □ 1.0	NB
	<i>Speyeria aphrodite</i>	Aphrodite Tortillary				S3	4 Secure	29	3.4 □ 1.0	NB
	<i>Boloria bellona</i>	Meadow Tortillary				S3	4 Secure	37	43.1 □ 1.0	NB
	<i>Polygonia satyrus</i>	Satyr Comma				S3	4 Secure	15	24.8 □ 1.0	NB
	<i>Polygonia gracilis</i>	Hoary Comma				S3	4 Secure	6	4.9 □ 7.0	NB
	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S3	4 Secure	24	2.9 □ 1.0	NB
	<i>Gomphus vastus</i>	Cobra Cleftail				S3	3 Sensitive	57	47.1 □ 0.0	NB
	<i>Gomphus abbreviatus</i>	Spine-crowned Cleftail				S3	4 Secure	24	21.7 □ 0.0	NB
	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3	5 Indetermined	17	88.0 □ 1.0	NB
	<i>Dorocordulia lepida</i>	Petite Emerald				S3	4 Secure	37	18.1 □ 0.0	NB
	<i>Somatochlora cingulata</i>	Large Emerald				S3	4 Secure	7	17.2 □ 0.0	NB
	<i>Somatochlora forcipata</i>	Cloripate Emerald				S3	4 Secure	17	63.8 □ 1.0	NB
	<i>Williamsonia fletcheri</i>	Ebony Boghaunter				S3	4 Secure	7	72.2 □ 0.0	NB
	<i>Lestes eurinus</i>	Amber-Winged Spreadwing				S3	4 Secure	8	4.2 □ 1.0	NB
	<i>Lestes vigilax</i>	Swamp Spreadwing				S3	3 Sensitive	35	7.4 □ 1.0	NB
	<i>Enallagma geminatum</i>	Summing Bluet				S3	5 Indetermined	8	21.7 □ 0.0	NB
	<i>Enallagma signatum</i>	Orange Bluet				S3	4 Secure	10	71.5 □ 0.0	NB
	<i>Stylurus scudderi</i>	Hebra Cleftail				S3	4 Secure	67	47.1 □ 0.0	NB
	<i>Alasmidonta undulata</i>	Triangle Floater				S3	3 Sensitive	40	21.2 □ 1.0	NB
	<i>Leptodea ochracea</i>	Tidewater Mallet				S3	4 Secure	59	16.7 □ 1.0	NB
	<i>Striatura ferrea</i>	Black Striate				S3		1	91.3 □ 1.0	NB
	<i>Neohelix albolabris</i>	Whitelip				S3		2	69.0 □ 0.0	NB
	<i>Spurwinkia salsa</i>	Saltmarsh Hydrobe				S3		34	9.6 □ 0.0	NB
	<i>Pantala hymenaea</i>	Spot-Winged Glider				S3B,S3M	4 Secure	4	2.6 □ 1.0	NB
	<i>Satyrium liparops</i>	Striped Hairstreak				S3S4	4 Secure	6	85.6 □ 7.0	NB
	<i>Satyrium liparops strigosum</i>	Striped Hairstreak				S3S4	4 Secure	1	95.0 □ 10.0	NB
	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	4 Secure	8	28.8 □ 5.0	NB
	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle				SH	2 May Be At Risk	2	14.7 □ 1.0	NB

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N	<i>Erioderma mollissimum</i>	Graceful Pelt Lichen	Endangered		Endangered	SH	2 May Be At Risk	1	97.6 ± 1.0	NB
N	<i>Erioderma pedicellatum</i> ( <i>Atlantic pop.</i> )	Boreal Pelt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	SH	1 At Risk	1	66.8 ± 1.0	NB
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened			S1	5 Undetermined	2	98.2 ± 1.0	NB
N	<i>Degelia plumbea</i>	Blue Pelt Lichen	Special Concern	Special Concern	Special Concern	S1	2 May Be At Risk	2	65.6 ± 5.0	NB
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	5 Undetermined	17	14.7 ± 0.0	NB
N	<i>Bryum muehlenbeckii</i>	Muehlenbeck's Bryum Moss				S1	2 May Be At Risk	1	16.8 ± 1.0	NB
N	<i>Sphagnum macrophyllum</i>	Sphagnum				S1	2 May Be At Risk	2	2.9 ± 0.0	NB
N	<i>Syntrichia ruralis</i>	a Moss				S1	2 May Be At Risk	1	82.3 ± 0.0	NB
N	<i>Coscinodon cribrosus</i>	Sieve-Toothed Moss				S1	2 May Be At Risk	1	11.9 ± 0.0	NB
N	<i>Cladonia metacorallifera</i>	Reptilian Plate-cap Lichen				S1	5 Undetermined	4	95.2 ± 1.0	NB
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S1	2 May Be At Risk	1	73.0 ± 10.0	NB
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen				S1	5 Undetermined	1	97.6 ± 1.0	NB
N	<i>Bryoria bicolor</i>	Electrified Horsehair Lichen				S1	2 May Be At Risk	1	97.6 ± 1.0	NB
N	<i>Hygrobiella laxifolia</i>	Lax Notchwort				S1	6 Not Assessed	1	95.3 ± 1.0	NB
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S1	2 May Be At Risk	1	80.0 ± 3.0	NS
N	<i>Bartramia ithyphylla</i>	Straight-leaved Apple Moss				S1	2 May Be At Risk	1	95.3 ± 0.0	NB
N	<i>Calliergon trifarium</i>	Three-ranked Moss				S1	2 May Be At Risk	1	8.6 ± 0.0	NB
N	<i>Dichelyma falcatum</i>	a Moss				S1	2 May Be At Risk	2	31.2 ± 1.0	NB
N	<i>Dicranum bonjeanii</i>	Bonjean's Broom Moss				S1	2 May Be At Risk	1	92.4 ± 1.0	NB
N	<i>Eurhynchium hians</i>	Light Bearded Moss				S1	2 May Be At Risk	3	79.2 ± 0.0	NB
N	<i>Plagiothecium latebricola</i>	Alder Silken Moss				S1	2 May Be At Risk	1	7.0 ± 0.0	NB
N	<i>Racomitrium ericoides</i>	a Moss				S1	2 May Be At Risk	1	84.0 ± 3.0	NB
N	<i>Rhytidium rugosum</i>	Wrinkle-leaved Moss				S1	2 May Be At Risk	1	80.8 ± 0.0	NB
N	<i>Splachnum pennsylvanicum</i>	Southern Dying Moss				S1	2 May Be At Risk	1	95.1 ± 1.0	NB
N	<i>Platylomella lescurii</i>	a Moss				S1	5 Undetermined	1	70.8 ± 1.0	NB
N	<i>Harpanthus flotovianus</i>	Great Mountain Lapwort				S1S2	6 Not Assessed	1	97.9 ± 1.0	NB
N	<i>Jungermannia obovata</i>	Egg Lapwort				S1S2	6 Not Assessed	1	27.8 ± 0.0	NB
N	<i>Pallavicinia lyellii</i>	Lyell's Ribbonwort				S1S2	6 Not Assessed	1	23.4 ± 1.0	NB
N	<i>Reboulia hemisphaerica</i>	Purple-margined Liverwort				S1S2	6 Not Assessed	1	74.2 ± 1.0	NB
N	<i>Brachythecium acuminatum</i>	Acuminate Ragged Moss				S1S2	5 Undetermined	4	74.1 ± 100.0	NB
N	<i>Bryum salinum</i>	a Moss				S1S2	2 May Be At Risk	1	26.6 ± 1.0	NB
N	<i>Campyllum radicale</i>	Long-stalked Fine Wet Moss				S1S2	5 Undetermined	1	94.1 ± 1.0	NB
N	<i>Tortula obtusifolia</i>	a Moss				S1S2	2 May Be At Risk	1	56.0 ± 0.0	NB
N	<i>Ditrichum pallidum</i>	Pale Cow-hair Moss				S1S2	2 May Be At Risk	3	69.9 ± 3.0	NS
N	<i>Drummondia prorepens</i>	a Moss				S1S2	2 May Be At Risk	1	82.8 ± 0.0	NS
N	<i>Hygrohypnum bestii</i>	Best's Brood Moss				S1S2	3 Sensitive	4	88.3 ± 0.0	NB
N	<i>Sphagnum platyphyllum</i>	Broad-leaved Peat Moss				S1S2	5 Undetermined	2	98.6 ± 0.0	NB
N	<i>Timmia norvegica</i>	a moss				S1S2	2 May Be At Risk	1	67.5 ± 0.0	NB
N	<i>Tomentypnum falcifolium</i>	Sickle-leaved Golden Moss				S1S2	2 May Be At Risk	1	17.2 ± 1.0	NB
N	<i>Tortella humilis</i>	Small Crisp Moss				S1S2	2 May Be At Risk	3	96.6 ± 0.0	NB
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	2 May Be At Risk	3	26.6 ± 1.0	NB
N	<i>Hamatocaulis vermicosus</i>	a Moss				S1S2	2 May Be At Risk	1	37.2 ± 100.0	NB
N	<i>Bryohaplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1S2	2 May Be At Risk	1	69.9 ± 3.0	NS

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N	<i>Calypogeia neesiana</i>	Nees' Pouchwort				S1S3	6 Not Assessed	1	38.3 □1.0	NB
N	<i>Cephaloziella elachista</i>	Spurred Threadwort				S1S3	6 Not Assessed	1	8.2 □5.0	NB
N	<i>Porella pinnata</i>	Pinnate Scalewort				S1S3	6 Not Assessed	2	45.0 □1.0	NB
N	<i>Amphidium mougeotii</i>	a Moss				S2	3 Sensitive	5	74.5 □8.0	NB
N	<i>Anomodon viticulosus</i>	a Moss				S2	2 May Be At Risk	5	11.4 □1.0	NB
N	<i>Cirriophyllum piliferum</i>	Hair-pointed Moss				S2	3 Sensitive	1	82.8 □0.0	NB
N	<i>Cynodontium strumiferum</i>	Strawmose Dogtooth Moss				S2	3 Sensitive	1	74.5 □8.0	NB
N	<i>Dicranella palustris</i>	Drooping-Leaved Hair Moss				S2	3 Sensitive	4	61.9 □100.0	NB
N	<i>Didymodon ferrugineus</i>	a moss				S2	3 Sensitive	1	36.9 □1.0	NB
N	<i>Anomodon tristis</i>	a Moss				S2	2 May Be At Risk	1	81.6 □1.0	NB
N	<i>Hypnum pratense</i>	Meadow Plait Moss				S2	3 Sensitive	1	9.5 □0.0	NB
N	<i>Isopterygiopsis pulchella</i>	Neat Silken Moss				S2	3 Sensitive	1	99.8 □0.0	NB
N	<i>Meesia triquetra</i>	Three-ranked Cold Moss				S2	2 May Be At Risk	1	74.1 □100.0	NB
N	<i>Physcomitrium immersum</i>	a Moss				S2	3 Sensitive	6	45.0 □1.0	NB
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2	3 Sensitive	1	97.9 □0.0	NB
N	<i>Pohlia elongata</i>	Long-necked Nodding Moss				S2	3 Sensitive	4	96.6 □0.0	NB
N	<i>Sphagnum centrale</i>	Central Peat Moss				S2	3 Sensitive	3	69.1 □5.0	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S2	3 Sensitive	7	9.5 □0.0	NB
N	<i>Tayloria serrata</i>	Serrate Trumpet Moss				S2	3 Sensitive	1	43.3 □1.0	NB
N	<i>Tetraplodon mnioides</i>	Entire-leaved Nitrogen Moss				S2	3 Sensitive	3	21.3 □0.0	NB
N	<i>Thamnobryum alleghaniense</i>	a Moss				S2	3 Sensitive	5	67.4 □0.0	NB
N	<i>Tortula mucronifolia</i>	Micronate Screw Moss				S2	3 Sensitive	1	12.0 □0.0	NB
N	<i>Ulota phyllantha</i>	a Moss				S2	3 Sensitive	2	26.6 □1.0	NB
N	<i>Anomobryum filiforme</i>	a moss				S2	5 Indetermined	2	63.1 □0.0	NB
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S2	2 May Be At Risk	1	89.8 □0.0	NB
N	<i>Nephroma laevigatum</i>	Mustard Kidney Lichen				S2	2 May Be At Risk	2	73.0 □10.0	NB
N	<i>Andreaea rothii</i>	a Moss				S2□	3 Sensitive	2	31.0 □0.0	NB
N	<i>Brachythecium digastrum</i>	a Moss				S2□	3 Sensitive	2	66.9 □0.0	NB
N	<i>Bryum pallescens</i>	Pale Bryum Moss				S2□	5 Indetermined	2	12.7 □1.0	NB
N	<i>Dicranum spurium</i>	Spurred Broom Moss				S2□	3 Sensitive	2	11.9 □0.0	NB
N	<i>Hygrohypnum montanum</i>	a Moss				S2□	3 Sensitive	1	78.4 □1.0	NB
N	<i>Schistostega pennata</i>	Laminous Moss				S2□	3 Sensitive	3	61.9 □100.0	NB
N	<i>Seligeria campylopoda</i>	a Moss				S2□	3 Sensitive	1	37.2 □100.0	NB
N	<i>Seligeria diversifolia</i>	a Moss				S2□	3 Sensitive	2	63.1 □0.0	NB
N	<i>Sphagnum angermanicum</i>	a Peatmoss				S2□	3 Sensitive	2	14.7 □10.0	NB
N	<i>Plagiomnium rostratum</i>	Long-beaked Leafy Moss				S2□	3 Sensitive	3	67.3 □0.0	NB
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2□	3 Sensitive	1	98.5 □1.0	NB
N	<i>Bryum uliginosum</i>	a Moss				S2S3	3 Sensitive	1	34.2 □4.0	NB
N	<i>Buxbaumia aphylla</i>	Brown Shield Moss				S2S3	3 Sensitive	2	74.1 □15.0	NB
N	<i>Calliergonella cuspidata</i>	Common Large Wetland Moss				S2S3	3 Sensitive	5	11.4 □1.0	NB
N	<i>Campyllum polygamum</i>	a Moss				S2S3	3 Sensitive	1	99.2 □0.0	NB
N	<i>Palustriella falcata</i>	a Moss				S2S3	3 Sensitive	2	95.5 □0.0	NB
N	<i>Didymodon rigidulus</i>	Rigid Screw Moss				S2S3	3 Sensitive	1	94.6 □8.0	NB
N	<i>Ephemerum serratum</i>	a Moss				S2S3	3 Sensitive	2	81.9 □0.0	NB
N	<i>Fissidens bushii</i>	Bush's Pocket Moss				S2S3	3 Sensitive	1	80.0 □3.0	NS
N	<i>Orthotrichum speciosum</i>	Showy Bristle Moss				S2S3	5 Indetermined	2	59.9 □2.0	NB
N	<i>Racomitrium</i>	a Moss				S2S3	3 Sensitive	2	67.0 □0.0	NB



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
N	<i>Scorpidium fasciculare</i>	Hooded Scorpion Moss				S2S3	3 Sensitive	4	8.6 □ 0.0	NB
N	<i>Sphagnum subfulvum</i>	a Peatmoss				S2S3	2 May Be At Risk	3	17.2 □ 1.0	NB
N	<i>Taxiphyllum deplanatum</i>	Imbricate Yew-leaved Moss				S2S3	3 Sensitive	1	26.6 □ 1.0	NB
N	<i>Zygodon viridissimus</i>	a Moss				S2S3	2 May Be At Risk	3	68.7 □ 3.0	NB
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S2S3	3 Sensitive	4	59.9 □ 2.0	NB
N	<i>Loeskeobryum brevirostre</i>	a Moss				S2S3	3 Sensitive	7	71.2 □ 3.0	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2S3	3 Sensitive	1	95.5 □ 0.0	NB
N	<i>Cladonia acuminata</i>	Scantly Clad Pile Lichen				S2S3	5 Indetermined	1	97.6 □ 1.0	NB
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	5 Indetermined	1	95.2 □ 1.0	NB
N	<i>Sphaerophorus globosus</i>	Northern Coral Lichen				S2S3	3 Sensitive	4	94.0 □ 1.0	NB
N	<i>Cynodontium tenellum</i>	Delicate Dogtooth Moss				S3	3 Sensitive	1	26.6 □ 1.0	NB
N	<i>Hypnum curvifolium</i>	Curved-leaved Plait Moss				S3	3 Sensitive	6	69.8 □ 5.0	NB
N	<i>Schistidium maritimum</i>	a Moss				S3	4 Secure	2	26.6 □ 1.0	NB
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	5 Indetermined	5	95.2 □ 1.0	NB
N	<i>Normandina pulchella</i>	Rimmed Elf-ear Lichen				S3	5 Indetermined	2	96.4 □ 1.0	NB
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	4 Secure	1	97.9 □ 1.0	NB
N	<i>Peltigera degenii</i>	Listro's Pelt Lichen				S3	5 Indetermined	2	98.2 □ 1.0	NB
N	<i>Peltigera membranacea</i>	Membranous Pelt Lichen				S3	5 Indetermined	5	95.2 □ 1.0	NB
N	<i>Cladonia deformis</i>	Lesser Siphon-cup Lichen				S3	4 Secure	3	95.2 □ 1.0	NB
N	<i>Aulacomnium androgynum</i>	Little Groove Moss				S3	4 Secure	4	69.8 □ 5.0	NB
N	<i>Dicranella rufescens</i>	Red Dorelet Moss				S3	5 Indetermined	1	93.3 □ 4.0	NB
N	<i>Rhytidiadelphus loreus</i>	Lanely Moss				S3	2 May Be At Risk	1	80.2 □ 10.0	NB
N	<i>Sphagnum lescurei</i>	a Peatmoss				S3	5 Indetermined	5	27.4 □ 0.0	NB
N	<i>Anomodon rugelii</i>	Rugel's Anomodon Moss				S3S4	3 Sensitive	2	80.0 □ 3.0	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3S4	4 Secure	1	94.6 □ 8.0	NB
N	<i>Brachythecium velutinum</i>	Velvet Ragged Moss				S3S4	4 Secure	3	68.4 □ 0.0	NB
N	<i>Dicranella cerviculata</i>	a Moss				S3S4	3 Sensitive	3	26.6 □ 1.0	NB
N	<i>Dicranum majus</i>	Greater Broom Moss				S3S4	4 Secure	7	21.3 □ 0.0	NB
N	<i>Fissidens bryoides</i>	Lesser Pocket Moss				S3S4	4 Secure	1	37.4 □ 5.0	NB
N	<i>Heterocladium dimorphum</i>	Dimorphic Tangle Moss				S3S4	4 Secure	1	59.9 □ 2.0	NB
N	<i>Isopterygiopsis muelleriana</i>	a Moss				S3S4	4 Secure	6	68.4 □ 0.0	NB
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S3S4	4 Secure	1	74.5 □ 8.0	NB
N	<i>Physcomitrium pyriforme</i>	Pear-shaped Fern Moss				S3S4	3 Sensitive	5	69.9 □ 3.0	NS
N	<i>Pogonatum dentatum</i>	Mountain Hair Moss				S3S4	4 Secure	1	26.6 □ 1.0	NB
N	<i>Sphagnum torreyanum</i>	a Peatmoss				S3S4	4 Secure	6	2.5 □ 0.0	NB
N	<i>Sphagnum austinii</i>	Austin's Peat Moss				S3S4	4 Secure	1	3.8 □ 1.0	NB
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3S4	4 Secure	1	24.1 □ 0.0	NB
N	<i>Splachnum rubrum</i>	Red Collar Moss				S3S4	4 Secure	1	37.0 □ 1.0	NB
N	<i>Tetraphis geniculata</i>	Geniculate Fork-tooth Moss				S3S4	4 Secure	6	9.9 □ 0.0	NB
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3S4	4 Secure	1	26.6 □ 1.0	NB
N	<i>Weissia controversa</i>	Green-Cushioned Weissia				S3S4	4 Secure	1	80.6 □ 0.0	NS
N	<i>Trichostomum tenuirostre</i>	Acid-Soil Moss				S3S4	4 Secure	4	68.4 □ 0.0	NB
N	<i>Pannaria rubiginosa</i>	Brown-eyed Shingle Lichen				S3S4	3 Sensitive	1	99.6 □ 1.0	NB
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S3S4	5 Indetermined	5	94.0 □ 1.0	NB

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N	<i>Hypogymnia vittata</i>	Slender Monks Hood Lichen				S3S4	4 Secure	15	94.0 ± 1.0	NB
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	4 Secure	3	96.4 ± 1.0	NB
N	<i>Melanelia panniformis</i>	Shingled Camouflage Lichen				S3S4	5 Undetermined	2	97.6 ± 1.0	NB
N	<i>Protopannaria pezizoides</i>	Brown-gray Moss-shingle Lichen				S3S4	4 Secure	9	86.2 ± 0.0	NS
N	<i>Pseudocyphellaria perpetua</i>	Gilded Specklebelly Lichen				S3S4	3 Sensitive	32	89.0 ± 0.0	NB
N	<i>Pannaria conoplea</i>	Mealy-rimmed Shingle Lichen				S3S4	3 Sensitive	1	89.8 ± 0.0	NB
N	<i>Anaptychia palmulata</i>	Shaggy Ringed Lichen				S3S4	3 Sensitive	3	95.7 ± 0.0	NS
N	<i>Peltigera neopolydactyla</i>	Undulating Pelt Lichen				S3S4	5 Undetermined	5	95.2 ± 1.0	NB
N	<i>Dermatocarpon luridum</i>	Brookside Stippleback Lichen				S3S4	4 Secure	3	95.2 ± 1.0	NB
N	<i>Grimmia anodon</i>	Toothless Grimmiid Moss				SH	5 Undetermined	2	14.4 ± 10.0	NB
N	<i>Leucodon brachypus</i>	a Moss				SH	2 May Be At Risk	5	62.7 ± 100.0	NB
N	<i>Thelia hirtella</i>	a Moss				SH	2 May Be At Risk	2	74.1 ± 100.0	NB
P	<i>Juglans cinerea</i>	Bitternut	Endangered	Endangered	Endangered	S1	1 At Risk	36	31.9 ± 1.0	NB
P	<i>Polemonium vanbruntiae</i>	Van Brunt's Jacob's-ladder	Threatened	Threatened	Threatened	S1	1 At Risk	72	21.2 ± 0.0	NB
P	<i>Isoetes prototypus</i>	Prototype Spillwort	Special Concern	Special Concern	Endangered	S2	1 At Risk	27	32.8 ± 0.0	NB
P	<i>Pterospora andromedea</i>	Woodland Pinedrops			Endangered	S1	1 At Risk	6	99.2 ± 0.0	NB
P	<i>Cryptotaenia canadensis</i>	Canada Honewort				S1	2 May Be At Risk	1	80.5 ± 1.0	NB
P	<i>Sanicula trifoliata</i>	Large-flowered Sanicle				S1	2 May Be At Risk	1	48.6 ± 5.0	NB
P	<i>Antennaria parlinii</i>	a Pussytoes				S1	2 May Be At Risk	7	66.1 ± 1.0	NB
P	<i>Antennaria howellii</i>	Pussy-Toes				S1	2 May Be At Risk	4	12.4 ± 5.0	NB
P	<i>Bidens discoidea</i>	Swamp Beggarticks				S1	2 May Be At Risk	3	79.3 ± 0.0	NB
P	<i>Pseudognaphalium obtusifolium</i>	Eastern Cowweed				S1	2 May Be At Risk	2	98.2 ± 0.0	NB
P	<i>Helianthus decapetalus</i>	Ten-rayed Sunflower				S1	2 May Be At Risk	5	99.9 ± 0.0	NB
P	<i>Hieracium kalmii</i>	Kalm's Hawkweed				S1	2 May Be At Risk	5	13.0 ± 1.0	NB
P	<i>Hieracium kalmii</i> var. <i>kalmii</i>	Kalm's Hawkweed				S1	2 May Be At Risk	7	13.8 ± 1.0	NB
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S1	2 May Be At Risk	8	58.6 ± 0.0	NB
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S1	3 Sensitive	2	95.7 ± 0.0	NB
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S1	2 May Be At Risk	14	72.4 ± 0.0	NB
P	<i>Cardamine parviflora</i> var. <i>arenicola</i>	Small-flowered Bittercress				S1	2 May Be At Risk	14	41.9 ± 0.0	NB
P	<i>Cardamine concatenata</i>	Cleft-leaved Toothwort				S1	2 May Be At Risk	1	97.4 ± 1.0	NB
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S1	2 May Be At Risk	16	26.9 ± 0.0	NB
P	<i>Draba glabella</i>	Rock Whitlow-Grass				S1	2 May Be At Risk	8	15.6 ± 1.0	NB
P	<i>Minuartia groenlandica</i>	Greenland Stitchwort				S1	2 May Be At Risk	4	21.1 ± 0.0	NB
P	<i>Chenopodium capitatum</i>	Strawberry-blite				S1	2 May Be At Risk	4	14.6 ± 1.0	NB
P	<i>Chenopodium simplex</i>	Maple-leaved Goosefoot				S1	2 May Be At Risk	9	80.2 ± 1.0	NB
P	<i>Callitriche terrestris</i>	Terrestrial Water-Starwort				S1	5 Undetermined	1	99.6 ± 0.0	NB
P	<i>Triadenum virginicum</i>	Virginia St John's-wort				S1	2 May Be At Risk	4	24.6 ± 0.0	NB
P	<i>Viburnum acerifolium</i>	Maple-leaved Viburnum				S1	2 May Be At Risk	10	92.3 ± 0.0	NB
P	<i>Corema conradii</i>	Broom Crowberry				S1	2 May Be At Risk	3	12.2 ± 10.0	NB
P	<i>Vaccinium boreale</i>	Northern Blueberry				S1	2 May Be At Risk	1	29.6 ± 0.0	NB
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S1	3 Sensitive	3	79.7 ± 5.0	NB
P	<i>Chamaesyce</i>	Seaside Spurge				S1	2 May Be At Risk	8	68.3 ± 0.0	NB

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P	<i>polygonifolia</i> <i>Desmodium glutinosum</i>	Large Tick-Trefoil				S1	2 May Be At Risk	1	95.1 ± 1.0	NB
P	<i>Lespedeza capitata</i>	Round-headed Bush-clover				S1	2 May Be At Risk	7	80.5 ± 0.0	NB
P	<i>Gentiana rubricaulis</i>	Purple-stemmed Gentian				S1	2 May Be At Risk	13	46.8 ± 0.0	NB
P	<i>Lomatogonium rotatum</i>	Marsh Helwort				S1	2 May Be At Risk	2	50.6 ± 0.0	NB
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S1	2 May Be At Risk	3	30.7 ± 0.0	NB
P	<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint				S1	2 May Be At Risk	4	48.7 ± 0.0	NB
P	<i>Decodon verticillatus</i>	Swamp Loosestrife				S1	2 May Be At Risk	4	99.4 ± 0.0	NS
P	<i>Lysimachia hybrida</i>	Lowland Yellow Loosestrife				S1	2 May Be At Risk	15	88.6 ± 0.0	NB
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	2 May Be At Risk	16	18.5 ± 1.0	NB
P	<i>Primula laurentiana</i>	Laurian Primrose				S1	2 May Be At Risk	21	63.5 ± 1.0	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S1	2 May Be At Risk	6	7.4 ± 0.0	NB
P	<i>Crataegus jonesiae</i>	Jones Hawthorn				S1	2 May Be At Risk	5	67.9 ± 0.0	NB
P	<i>Galium brevipes</i>	Limestone Swamp Bedstraw				S1	2 May Be At Risk	1	72.1 ± 5.0	NB
P	<i>Saxifraga paniculata</i> <i>ssp. neogaea</i>	White Mountain Saxifrage				S1	2 May Be At Risk	13	27.4 ± 10.0	NB
P	<i>Agalinis paupercula</i> <i>var. borealis</i>	Small-flowered Agalinis				S1	2 May Be At Risk	8	36.1 ± 1.0	NB
P	<i>Agalinis tenuifolia</i>	Slender Agalinis				S1	2 May Be At Risk	6	88.1 ± 0.0	NB
P	<i>Gratiola aurea</i>	Golden Hedge-Hyssop				S1	3 Sensitive	6	12.1 ± 5.0	NB
P	<i>Pedicularis canadensis</i>	Canada Loosewort				S1	2 May Be At Risk	20	55.5 ± 0.0	NB
P	<i>Viola sagittata</i> <i>var. ovata</i>	Arrow-Leaved Violet				S1	2 May Be At Risk	34	66.3 ± 0.0	NS
P	<i>Alisma subcordatum</i>	Southern Water Plantain				S1	5 Indetermined	4	43.5 ± 0.0	NB
P	<i>Carex atlantica</i> <i>ssp. atlantica</i>	Atlantic Sedge				S1	2 May Be At Risk	1	81.6 ± 0.0	NB
P	<i>Carex backii</i>	Rocky Mountain Sedge				S1	2 May Be At Risk	1	81.7 ± 0.0	NB
P	<i>Carex merritt-feraldii</i>	Merritt Fernald's Sedge				S1	2 May Be At Risk	2	70.4 ± 0.0	NB
P	<i>Carex saxatilis</i>	Risset Sedge				S1	2 May Be At Risk	13	13.0 ± 10.0	NB
P	<i>Carex grisea</i>	Inflated Narrow-leaved Sedge				S1	2 May Be At Risk	10	53.2 ± 0.0	NB
P	<i>Cyperus diandrus</i>	Low Matsedge				S1	2 May Be At Risk	6	88.0 ± 1.0	NB
P	<i>Cyperus lupulinus</i>	Hop Matsedge				S1	2 May Be At Risk	6	76.9 ± 0.0	NB
P	<i>Cyperus lupulinus</i> <i>ssp. macilentus</i>	Hop Matsedge				S1	2 May Be At Risk	16	75.6 ± 0.0	NB
P	<i>Eleocharis olivacea</i>	Yellow Spidergrass				S1	2 May Be At Risk	4	84.5 ± 1.0	NS
P	<i>Sisyrinchium angustifolium</i>	Narrow-leaved Blue-eyed-grass				S1	2 May Be At Risk	8	12.6 ± 1.0	NB
P	<i>Juncus greenei</i>	Greene's Rush				S1	2 May Be At Risk	1	37.9 ± 0.0	NB
P	<i>Juncus subtilis</i>	Creeping Rush				S1	2 May Be At Risk	1	56.7 ± 5.0	NB
P	<i>Allium canadense</i>	Canada Garlic				S1	2 May Be At Risk	6	49.0 ± 0.0	NB
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S1	2 May Be At Risk	9	91.8 ± 0.0	NS
P	<i>Malaxis brachypoda</i>	White Adder's-Mouth				S1	2 May Be At Risk	3	72.0 ± 10.0	NB
P	<i>Platanthera flava</i> <i>var. herbiola</i>	Pale Green Orchid				S1	2 May Be At Risk	13	59.8 ± 0.0	NB
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S1	2 May Be At Risk	4	80.4 ± 1.0	NB
P	<i>Spiranthes casei</i>	Case's Ladies-Tresses				S1	2 May Be At Risk	6	99.2 ± 0.0	NB
P	<i>Bromus pubescens</i>	Hairy Wood Brome Grass				S1	5 Indetermined	6	77.1 ± 0.0	NB
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S1	2 May Be At Risk	22	57.8 ± 0.0	NB
P	<i>Danthonia compressa</i>	Flattened Oat Grass				S1	2 May Be At Risk	6	80.6 ± 0.0	NS
P	<i>Dichanthelium dichotomum</i>	Corred Panic Grass				S1	2 May Be At Risk	19	39.5 ± 1.0	NB
P	<i>Glyceria obtusa</i>	Atlantic Manna Grass				S1	2 May Be At Risk	7	39.0 ± 0.0	NB
P	<i>Potamogeton friesii</i>	Wries Pondweed				S1	2 May Be At Risk	6	16.3 ± 5.0	NB
P	<i>Potamogeton nodosus</i>	Long-leaved Pondweed				S1	2 May Be At Risk	4	81.6 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
P	<i>Potamogeton strictifolius</i>	Straight-leaved Pondweed				S1	2 May Be At Risk	2	34.0 □ 0.0	NB
P	<i>Xyris difformis</i>	Bog Yellow-eyed-grass				S1	5 Indetermined	5	24.5 □ 0.0	NB
P	<i>Asplenium ruta-muraria</i> var. <i>cryptolepis</i>	Wallrue Spleenwort				S1	2 May Be At Risk	3	26.8 □ 0.0	NB
P	<i>Cystopteris laurentiana</i>	Laurentian Bladder Fern				S1	2 May Be At Risk	1	80.4 □ 1.0	NB
P	<i>Botrychium oneidense</i>	Blunt-lobed Moonwort				S1	2 May Be At Risk	4	60.9 □ 0.0	NB
P	<i>Botrychium rugulosum</i>	Ringlose Moonwort				S1	2 May Be At Risk	1	78.9 □ 1.0	NB
P	<i>Schizaea pusilla</i>	Little Cirygrass Fern				S1	2 May Be At Risk	25	2.5 □ 0.0	NB
P	<i>Hieracium kalmii</i> var. <i>fasciculatum</i>	Kalm's Hawkweed				S1□	5 Indetermined	6	65.4 □ 0.0	NB
P	<i>Cuscuta campestris</i>	Field Dodder				S1□	2 May Be At Risk	3	81.5 □ 10.0	NB
P	<i>Drosera rotundifolia</i> var. <i>comosa</i>	Round-leaved Sundew				S1□	5 Indetermined	5	46.7 □ 1.0	NB
P	<i>Carex laxiflora</i>	Loose-flowered Sedge				S1□	5 Indetermined	2	70.5 □ 5.0	NS
P	<i>Wolffia columbiana</i>	Columbian Watermeal				S1□	2 May Be At Risk	5	78.2 □ 0.0	NB
P	<i>Rumex aquaticus</i> var. <i>fenestratus</i>	Western Dock				S1S2	2 May Be At Risk	1	86.7 □ 1.0	NB
P	<i>Saxifraga virginiensis</i>	Early Saxifrage				S1S2	2 May Be At Risk	3	98.8 □ 0.0	NB
P	<i>Potamogeton bicupulatus</i>	Snailseed Pondweed				S1S2	2 May Be At Risk	5	32.4 □ 0.0	NB
P	<i>Selaginella rupestris</i>	Rock Spinemoss				S1S2	2 May Be At Risk	20	66.6 □ 0.0	NS
P	<i>Thelypteris simulata</i>	Bog Fern				S1S2	2 May Be At Risk	7	81.2 □ 0.0	NB
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S1S3	2 May Be At Risk	2	11.2 □ 1.0	NB
P	<i>Listera australis</i>	Southern Twayblade			Endangered	S2	1 At Risk	17	90.4 □ 0.0	NB
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2	3 Sensitive	1	70.9 □ 0.0	NB
P	<i>Pseudognaphalium macounii</i>	Macoun's Cudweed				S2	3 Sensitive	8	11.9 □ 0.0	NB
P	<i>Solidago simplex</i> var. <i>racemosa</i>	Sticky Goldenrod				S2	2 May Be At Risk	4	99.7 □ 0.0	NB
P	<i>Ionactis linariifolius</i>	Stiff Aster				S2	3 Sensitive	1	98.1 □ 0.0	NB
P	<i>Symphotrichum racemosum</i>	Small White Aster				S2	3 Sensitive	7	70.8 □ 0.0	NB
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2	2 May Be At Risk	2	93.6 □ 0.0	NS
P	<i>Alnus serrulata</i>	Smooth Alder				S2	3 Sensitive	28	58.4 □ 0.0	NB
P	<i>Arabis drummondii</i>	Drummond's Rockcress				S2	3 Sensitive	10	12.1 □ 1.0	NB
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S2	3 Sensitive	15	27.1 □ 1.0	NB
P	<i>Sagina nodosa</i> ssp. <i>borealis</i>	Knotted Pearlwort				S2	3 Sensitive	2	6.3 □ 0.0	NB
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S2	3 Sensitive	6	12.7 □ 10.0	NB
P	<i>Atriplex franktonii</i>	Frankton's Saltbush				S2	4 Secure	3	54.0 □ 1.0	NB
P	<i>Chenopodium rubrum</i>	Red Pigweed				S2	3 Sensitive	4	13.2 □ 1.0	NB
P	<i>Hypericum dissimulatum</i>	Disguised St John's-wort				S2	3 Sensitive	7	43.9 □ 1.0	NB
P	<i>Viburnum lentago</i>	Nannyberry				S2	4 Secure	80	83.2 □ 0.0	NB
P	<i>Viburnum recognitum</i>	Northern Arrow-Wood				S2	4 Secure	135	50.0 □ 0.0	NB
P	<i>Astragalus eucosmus</i>	Elegant Milk-vetch				S2	2 May Be At Risk	4	37.2 □ 0.0	NB
P	<i>Oxytropis campestris</i> var. <i>johannensis</i>	Field Locoweed				S2	3 Sensitive	3	26.5 □ 50.0	NB
P	<i>Quercus macrocarpa</i>	Big Oak				S2	2 May Be At Risk	44	16.6 □ 1.0	NB
P	<i>Gentiana linearis</i>	Narrow-Leaved Gentian				S2	3 Sensitive	5	93.7 □ 5.0	NB
P	<i>Myriophyllum humile</i>	Low Water Milfoil				S2	3 Sensitive	10	71.1 □ 1.0	NB
P	<i>Proserpinaca palustris</i> var. <i>crebra</i>	Marsh Mermaidweed				S2	3 Sensitive	21	45.0 □ 0.0	NB
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2	4 Secure	60	11.7 □ 0.0	NB
P	<i>Nuphar lutea</i> ssp. <i>rubrodisca</i>	Red-discolored Yellow Pond-lily				S2	3 Sensitive	9	21.4 □ 1.0	NB

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P	<i>Orobanche uniflora</i>	One-flowered Broomrape				S2	3 Sensitive	13	14.1 □1.0	NB
P	<i>Polygala paucifolia</i>	Ringed Milwort				S2	3 Sensitive	15	51.6 □1.0	NB
P	<i>Polygonum amphibium</i> var. <i>emersum</i>	Water Smartweed				S2	3 Sensitive	24	47.2 □0.0	NB
P	<i>Polygonum careyi</i>	Carey's Smartweed				S2	3 Sensitive	14	39.0 □5.0	NB
P	<i>Podostemum ceratophyllum</i>	Horn-leaved Riverweed				S2	3 Sensitive	22	50.9 □0.0	NB
P	<i>Hepatica nobilis</i> var. <i>obtusata</i>	Round-lobed Hepatica				S2	3 Sensitive	27	51.3 □1.0	NB
P	<i>Ranunculus flabellaris</i>	Yellow Water Buttercup				S2	4 Secure	17	55.2 □0.0	NB
P	<i>Ranunculus longirostris</i>	Eastern White Water-Crowfoot				S2	5 Indetermined	4	63.3 □1.0	NB
P	<i>Crataegus scabrida</i>	Rough Hawthorn				S2	3 Sensitive	7	26.8 □0.0	NB
P	<i>Crataegus succulenta</i>	Glossy Hawthorn				S2	3 Sensitive	1	94.1 □5.0	NB
P	<i>Cephalanthus occidentalis</i>	Common Buttonbush				S2	3 Sensitive	39	71.3 □0.0	NB
P	<i>Salix candida</i>	Sage Willow				S2	3 Sensitive	1	92.1 □1.0	NS
P	<i>Agalinis neoscotica</i>	Nova Scotia Agalinis				S2	3 Sensitive	35	63.0 □0.0	NB
P	<i>Euphrasia randii</i>	Rand's Eyebright				S2	2 May Be At Risk	23	5.7 □0.0	NB
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S2	3 Sensitive	5	32.5 □5.0	NB
P	<i>Dirca palustris</i>	Eastern Leatherwood				S2	2 May Be At Risk	1	99.3 □0.0	NB
P	<i>Verbena urticifolia</i>	White Vervain				S2	2 May Be At Risk	3	99.2 □1.0	NB
P	<i>Viola novae-angliae</i>	New England Violet				S2	3 Sensitive	4	42.0 □0.0	NB
P	<i>Symplocarpus foetidus</i>	Eastern Spinecabbage				S2	3 Sensitive	95	22.1 □1.0	NB
P	<i>Carex granularis</i>	Limestone Meadow Sedge				S2	3 Sensitive	4	80.5 □5.0	NB
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	3 Sensitive	5	82.2 □1.0	NB
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S2	3 Sensitive	3	56.3 □0.0	NB
P	<i>Carex livida</i> var. <i>radicaulis</i>	Livid Sedge				S2	3 Sensitive	1	11.9 □2.0	NB
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S2	3 Sensitive	1	98.7 □0.0	NB
P	<i>Carex prairea</i>	Prairie Sedge				S2	3 Sensitive	1	72.0 □5.0	NS
P	<i>Carex rostrata</i>	Narrow-leaved Beaked Sedge				S2	3 Sensitive	2	68.7 □0.0	NB
P	<i>Carex salina</i>	Saltmarsh Sedge				S2	3 Sensitive	2	10.4 □1.0	NB
P	<i>Carex sprengei</i>	Longbeak Sedge				S2	3 Sensitive	3	76.3 □0.0	NB
P	<i>Carex tenuiflora</i>	Sparse-flowered Sedge				S2	2 May Be At Risk	5	73.2 □1.0	NB
P	<i>Carex albicans</i> var. <i>emmonsii</i>	White-tinged Sedge				S2	3 Sensitive	4	17.7 □0.0	NB
P	<i>Cyperus squarrosus</i>	Awned Sedgesedge				S2	3 Sensitive	31	45.4 □0.0	NB
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S2	2 May Be At Risk	5	66.8 □3.0	NS
P	<i>Blysmus rufus</i>	Red Bristish				S2	3 Sensitive	3	67.4 □0.0	NB
P	<i>Elodea nuttallii</i>	Nuttall's Waterweed				S2	3 Sensitive	8	41.3 □0.0	NB
P	<i>Allium tricoccum</i>	Wild Leek				S2	2 May Be At Risk	12	37.8 □0.0	NB
P	<i>Najas gracillima</i>	Thread-Like Naiad				S2	3 Sensitive	11	38.3 □0.0	NB
P	<i>Calypso bulbosa</i> var. <i>americana</i>	Calypso				S2	2 May Be At Risk	3	20.9 □0.0	NB
P	<i>Coeloglossum viride</i> var. <i>virescens</i>	Long-bracted Frog Orchid				S2	2 May Be At Risk	5	48.7 □5.0	NB
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	2 May Be At Risk	5	10.0 □1.0	NB
P	<i>Spiranthes lucida</i>	Shining Ladies-Tresses				S2	3 Sensitive	13	36.9 □0.0	NB
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies-Tresses				S2	2 May Be At Risk	11	71.1 □0.0	NB
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S2	3 Sensitive	12	51.1 □0.0	NB
P	<i>Elymus canadensis</i>	Canada Wild Rye				S2	2 May Be At Risk	5	79.5 □1.0	NB
P	<i>Leersia virginica</i>	White Cuckoo Grass				S2	2 May Be At Risk	37	55.0 □0.0	NB

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P	<i>Piptatherum canadense</i>	Canada Rice Grass				S2	3 Sensitive	5	58.0 □ 0.0	NB
P	<i>Poa glauca</i>	Glauco's Blue Grass				S2	4 Secre	10	11.9 □ 2.0	NB
P	<i>Puccinellia phryganodes</i>	Creeping Alkali Grass				S2	3 Sensitive	15	20.5 □ 0.0	NB
P	<i>Schizachyrium scoparium</i>	Little Bluestem				S2	3 Sensitive	30	41.1 □ 0.0	NB
P	<i>Zizania aquatica</i> var. <i>aquatica</i>	Indian Wild Rice				S2	5 Indetermined	5	57.7 □ 0.0	NB
P	<i>Potamogeton vaseyi</i>	Vasey's Pondweed				S2	3 Sensitive	4	16.3 □ 1.0	NB
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S2	3 Sensitive	15	13.2 □ 0.0	NB
P	<i>Woodwardia virginica</i>	Virginia Chain Fern				S2	3 Sensitive	15	80.2 □ 1.0	NB
P	<i>Woodsia alpina</i>	Alpine Cliff Fern				S2	3 Sensitive	6	27.4 □ 0.0	NB
P	<i>Selaginella selaginoides</i>	Low Spinemoss				S2	3 Sensitive	10	11.7 □ 6.0	NB
P	<i>Toxicodendron radicans</i>	Poison Ivy				S2□	3 Sensitive	16	40.4 □ 0.0	NB
P	<i>Symphotrichum novibelfii</i> var. <i>crenifolium</i>	New York Aster				S2□	5 Indetermined	8	14.1 □ 0.0	NB
P	<i>Humulus lupulus</i> var. <i>lupuloides</i>	Common Hop				S2□	3 Sensitive	4	88.8 □ 0.0	NB
P	<i>Rubus recurvicaulis</i>	Arching Dewberry				S2□	4 Secre	5	25.4 □ 5.0	NB
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2□	4 Secre	4	57.9 □ 1.0	NB
P	<i>Salix myricoides</i>	Bayberry Willow				S2□	3 Sensitive	3	68.0 □ 0.0	NB
P	<i>Carex vacillans</i>	Estuarine Sedge				S2□	3 Sensitive	4	59.1 □ 1.0	NB
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S2□	5 Indetermined	2	89.9 □ 0.0	NB
P	<i>Solidago altissima</i>	Tall Goldenrod				S2S3	4 Secre	5	36.4 □ 1.0	NB
P	<i>Barbarea orthoceras</i>	American Yellow Rocket				S2S3	3 Sensitive	6	36.5 □ 0.0	NB
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S2S3	3 Sensitive	16	36.8 □ 0.0	NB
P	<i>Callitriche hermaphroditica</i>	Northern Water-starwort				S2S3	4 Secre	6	42.7 □ 1.0	NB
P	<i>Lonicera oblongifolia</i>	Swamp Lily Honeysuckle				S2S3	3 Sensitive	12	11.8 □ 6.0	NB
P	<i>Elatine americana</i>	American Waterwort				S2S3	3 Sensitive	8	19.0 □ 1.0	NB
P	<i>Bartonia paniculata</i>	Branched Bartonia				S2S3	3 Sensitive	5	7.6 □ 0.0	NB
P	<i>Bartonia paniculata</i> ssp. <i>iodandra</i>	Branched Bartonia				S2S3	3 Sensitive	34	3.3 □ 0.0	NB
P	<i>Geranium robertianum</i>	Herb Robert				S2S3	4 Secre	25	14.6 □ 1.0	NB
P	<i>Myriophyllum quitense</i>	Andean Water Milfoil				S2S3	4 Secre	71	14.7 □ 0.0	NB
P	<i>Epilobium coloratum</i>	Purple-veined Willowherb				S2S3	3 Sensitive	7	14.5 □ 1.0	NB
P	<i>Rumex pallidus</i>	Seabeach Dock				S2S3	3 Sensitive	6	16.1 □ 0.0	NB
P	<i>Rubus pensilvanicus</i>	Pennsylvania Blackberry				S2S3	4 Secre	15	17.3 □ 0.0	NB
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S2S3	3 Sensitive	4	46.4 □ 1.0	NB
P	<i>Valeriana uliginosa</i>	Swamp Valerian				S2S3	3 Sensitive	1	85.6 □ 1.0	NB
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	4 Secre	5	15.2 □ 1.0	NB
P	<i>Corallorhiza maculata</i> var. <i>occidentalis</i>	Spotted Coralroot				S2S3	3 Sensitive	4	70.4 □ 0.0	NB
P	<i>Corallorhiza maculata</i> var. <i>maculata</i>	Spotted Coralroot				S2S3	3 Sensitive	2	91.4 □ 1.0	NB
P	<i>Listera auriculata</i>	Arched Twayblade				S2S3	3 Sensitive	9	8.2 □ 1.0	NB
P	<i>Spiranthes cernua</i>	Nodding Ladies-Tresses				S2S3	3 Sensitive	22	37.9 □ 0.0	NB
P	<i>Eragrostis pectinacea</i>	Tufted Love Grass				S2S3	4 Secre	13	56.4 □ 1.0	NB
P	<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	Thread-leaved Pondweed				S2S3	3 Sensitive	7	11.9 □ 0.0	NB
P	<i>Stuckenia pectinata</i>	Sago Pondweed				S2S3	3 Sensitive	63	9.6 □ 0.0	NB
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S2S3	4 Secre	12	11.9 □ 1.0	NB

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P	<i>Isoetes acadiensis</i>	Acadian <input type="checkbox"/> illwort				S2S3	3 Sensitive	9	41.6 <input type="checkbox"/> 0.0	NB
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	3 Sensitive	9	11.3 <input type="checkbox"/> 1.0	NB
P	<i>Panax trifolius</i>	Dwarf Ginseng				S3	3 Sensitive	13	26.1 <input type="checkbox"/> 0.0	NB
P	<i>Artemisia campestris</i>	<input type="checkbox"/> ield Wormwood				S3	4 Sec <sup>re</sup>	24	77.1 <input type="checkbox"/> 0.0	NB
P	<i>Artemisia campestris ssp. caudata</i>	<input type="checkbox"/> ield Wormwood				S3	4 Sec <sup>re</sup>	76	70.7 <input type="checkbox"/> 0.0	NB
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved <input type="checkbox"/> leabane				S3	4 Sec <sup>re</sup>	22	20.7 <input type="checkbox"/> 0.0	NB
P	<i>Prenanthes racemosa</i>	Gla <sup>co</sup> s Rattlesna <sup>er</sup> oot				S3	4 Sec <sup>re</sup>	65	10.5 <input type="checkbox"/> 0.0	NB
P	<i>Tanacetum bipinnatum ssp. huronense</i>	La <sup>ie</sup> H <sup>ron</sup> Tansy				S3	4 Sec <sup>re</sup>	12	22.8 <input type="checkbox"/> 1.0	NB
P	<i>Symphotrichum boreale</i>	Boreal Aster				S3	3 Sensitive	7	36.8 <input type="checkbox"/> 0.0	NB
P	<i>Betula pumila</i>	Bog Birch				S3	4 Sec <sup>re</sup>	21	68.1 <input type="checkbox"/> 1.0	NB
P	<i>Arabis glabra</i>	Tower M <sup>stard</sup>				S3	5 <input type="checkbox"/> ndetermined	1	85.8 <input type="checkbox"/> 0.0	NB
P	<i>Arabis hirsuta var. pycnocarpa</i>	Western Hairy Roc <sup>ress</sup>				S3	4 Sec <sup>re</sup>	12	12.1 <input type="checkbox"/> 0.0	NB
P	<i>Cardamine maxima</i>	Large Toothwort				S3	4 Sec <sup>re</sup>	24	17.8 <input type="checkbox"/> 0.0	NB
P	<i>Subularia aquatica var. americana</i>	Water Awlwort				S3	4 Sec <sup>re</sup>	14	31.1 <input type="checkbox"/> 0.0	NB
P	<i>Lobelia cardinalis</i>	Cardinal <input type="checkbox"/> ower				S3	4 Sec <sup>re</sup>	357	47.9 <input type="checkbox"/> 0.0	NB
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S3	4 Sec <sup>re</sup>	7	5.8 <input type="checkbox"/> 0.0	NB
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S3	4 Sec <sup>re</sup>	3	21.0 <input type="checkbox"/> 0.0	NB
P	<i>Cornus amomum ssp. obliqua</i>	Pale Dogwood				S3	3 Sensitive	189	40.4 <input type="checkbox"/> 0.0	NB
P	<i>Crassula aquatica</i>	Water Pygmyweed				S3	4 Sec <sup>re</sup>	10	56.4 <input type="checkbox"/> 0.0	NB
P	<i>Rhodiola rosea</i>	Roseroot				S3	4 Sec <sup>re</sup>	46	3.7 <input type="checkbox"/> 0.0	NB
P	<i>Penthorum sedoides</i>	Ditch Stonecrop				S3	4 Sec <sup>re</sup>	58	46.2 <input type="checkbox"/> 0.0	NB
P	<i>Elatine minima</i>	Small Waterwort				S3	4 Sec <sup>re</sup>	28	12.3 <input type="checkbox"/> 5.0	NB
P	<i>Astragalus alpinus var. brunetianus</i>	Alpine Mil <sup>etch</sup>				S3	4 Sec <sup>re</sup>	1	99.8 <input type="checkbox"/> 0.0	NB
P	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch				S3	4 Sec <sup>re</sup>	2	37.1 <input type="checkbox"/> 0.0	NB
P	<i>Gentianella amarella ssp. acuta</i>	Northern Gentian				S3	4 Sec <sup>re</sup>	3	12.2 <input type="checkbox"/> 0.0	NB
P	<i>Geranium bicknellii</i>	Bic <sup>nell</sup> 's Crane's-bill				S3	4 Sec <sup>re</sup>	8	13.0 <input type="checkbox"/> 5.0	NB
P	<i>Myriophyllum farwellii</i>	<input type="checkbox"/> arwell's Water Milfoil				S3	4 Sec <sup>re</sup>	23	16.9 <input type="checkbox"/> 0.0	NB
P	<i>Myriophyllum heterophyllum</i>	Variable-leaved Water Milfoil				S3	4 Sec <sup>re</sup>	42	22.1 <input type="checkbox"/> 0.0	NB
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	4 Sec <sup>re</sup>	17	16.1 <input type="checkbox"/> 1.0	NB
P	<i>Stachys tenuifolia</i>	Smooth Hedge-Nettle				S3	3 Sensitive	6	39.8 <input type="checkbox"/> 0.0	NB
P	<i>Teucrium canadense</i>	Canada Germander				S3	3 Sensitive	5	68.7 <input type="checkbox"/> 1.0	NS
P	<i>Utricularia radiata</i>	Little <input type="checkbox"/> loating Bladderwort				S3	4 Sec <sup>re</sup>	36	2.6 <input type="checkbox"/> 0.0	NB
P	<i>Nuphar lutea ssp. pumila</i>	Small Yellow Pond-lily				S3	4 Sec <sup>re</sup>	15	11.9 <input type="checkbox"/> 0.0	NB
P	<i>Epilobium hornemannii</i>	Hornemann's Willowherb				S3	4 Sec <sup>re</sup>	5	21.2 <input type="checkbox"/> 0.0	NB
P	<i>Epilobium hornemannii ssp. hornemannii</i>	Hornemann's Willowherb				S3	4 Sec <sup>re</sup>	1	97.8 <input type="checkbox"/> 0.0	NB
P	<i>Epilobium strictum</i>	Downy Willowherb				S3	4 Sec <sup>re</sup>	16	4.3 <input type="checkbox"/> 1.0	NB
P	<i>Polygala sanguinea</i>	Blood Mil <sup>wort</sup>				S3	3 Sensitive	12	65.9 <input type="checkbox"/> 0.0	NB
P	<i>Polygonum arifolium</i>	Halberd-leaved Tearth <sup>mb</sup>				S3	4 Sec <sup>re</sup>	14	55.3 <input type="checkbox"/> 0.0	NB
P	<i>Polygonum punctatum</i>	Dotted Smartweed				S3	4 Sec <sup>re</sup>	2	79.9 <input type="checkbox"/> 0.0	NB
P	<i>Polygonum punctatum var. confertiflorum</i>	Dotted Smartweed				S3	4 Sec <sup>re</sup>	12	63.1 <input type="checkbox"/> 1.0	NB
P	<i>Polygonum scandens</i>	Climbing <input type="checkbox"/> alse B <sup>o</sup> wheat				S3	4 Sec <sup>re</sup>	29	43.4 <input type="checkbox"/> 5.0	NB
P	<i>Littorella uniflora</i>	American Shoreweed				S3	4 Sec <sup>re</sup>	21	31.9 <input type="checkbox"/> 0.0	NB
P	<i>Primula mistassinica</i>	Mistassini Primrose				S3	4 Sec <sup>re</sup>	10	9.5 <input type="checkbox"/> 1.0	NB
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	4 Sec <sup>re</sup>	4	22.3 <input type="checkbox"/> 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
P	<i>Clematis occidentalis</i>	Purple Clematis				S3	4 Secure	14	17.5 □ 5.0	NB
P	<i>Ranunculus gmelinii</i>	Gmelin's Water Buttercup				S3	4 Secure	6	57.7 □ 0.0	NB
P	<i>Thalictrum venulosum</i>	Northern Meadow-rue				S3	4 Secure	73	23.7 □ 5.0	NB
P	<i>Amelanchier canadensis</i>	Canada Serviceberry				S3	4 Secure	16	26.9 □ 1.0	NB
P	<i>Rosa palustris</i>	Swamp Rose				S3	4 Secure	38	8.8 □ 1.0	NB
P	<i>Rubus occidentalis</i>	Black Raspberry				S3	4 Secure	9	59.2 □ 0.0	NB
P	<i>Galium boreale</i>	Northern Bedstraw				S3	4 Secure	7	31.9 □ 1.0	NB
P	<i>Salix interior</i>	Sandbar Willow				S3	4 Secure	16	71.6 □ 0.0	NB
P	<i>Salix nigra</i>	Black Willow				S3	3 Sensitive	108	16.2 □ 1.0	NB
P	<i>Salix pedicellaris</i>	Bog Willow				S3	4 Secure	45	23.6 □ 1.0	NB
P	<i>Comandra umbellata</i>	Bastard's Toadflax				S3	4 Secure	1	84.7 □ 10.0	NB
P	<i>Parnassia glauca</i>	Green Grass-of-Parnassus				S3	4 Secure	1	96.8 □ 10.0	NB
P	<i>Limosella australis</i>	Southern Meadow-piper				S3	4 Secure	10	71.2 □ 0.0	NB
P	<i>Veronica serpyllifolia</i> ssp. <i>humifusa</i>	Thyme-Leaved Speedwell				S3	4 Secure	4	92.1 □ 100.0	NB
P	<i>Boehmeria cylindrica</i>	Small-spined false-nettle				S3	3 Sensitive	128	48.2 □ 0.0	NB
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	4 Secure	20	55.1 □ 0.0	NB
P	<i>Viola adunca</i>	Hooded Violet				S3	4 Secure	8	61.9 □ 1.0	NB
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	4 Secure	4	11.2 □ 0.0	NB
P	<i>Carex aquatilis</i>	Water Sedge				S3	4 Secure	16	4.5 □ 1.0	NB
P	<i>Carex arcta</i>	Northern Clustered Sedge				S3	4 Secure	46	57.2 □ 0.0	NB
P	<i>Carex atratiformis</i>	Scabrous Black Sedge				S3	4 Secure	1	11.9 □ 0.0	NB
P	<i>Carex capillaris</i>	Hairlike Sedge				S3	4 Secure	9	11.9 □ 2.0	NB
P	<i>Carex chordorrhiza</i>	Creeping Sedge				S3	4 Secure	19	40.1 □ 1.0	NB
P	<i>Carex conoidea</i>	Field Sedge				S3	4 Secure	29	4.3 □ 1.0	NB
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	4 Secure	1	98.3 □ 0.0	NB
P	<i>Carex exilis</i>	Coastal Sedge				S3	4 Secure	85	2.2 □ 0.0	NB
P	<i>Carex garberi</i>	Garber's Sedge				S3	3 Sensitive	2	36.6 □ 0.0	NB
P	<i>Carex haydenii</i>	Hayden's Sedge				S3	4 Secure	33	18.5 □ 1.0	NB
P	<i>Carex lupulina</i>	Hop Sedge				S3	4 Secure	105	40.0 □ 0.0	NB
P	<i>Carex michauxiana</i>	Michaux's Sedge				S3	4 Secure	60	2.4 □ 0.0	NB
P	<i>Carex ormostachya</i>	Necklace Spine Sedge				S3	4 Secure	5	70.0 □ 1.0	NB
P	<i>Carex rosea</i>	Rosy Sedge				S3	4 Secure	21	36.5 □ 0.0	NB
P	<i>Carex tenera</i>	Tender Sedge				S3	4 Secure	43	39.9 □ 0.0	NB
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	4 Secure	66	40.0 □ 0.0	NB
P	<i>Carex vaginata</i>	Sheathed Sedge				S3	3 Sensitive	8	83.2 □ 0.0	NB
P	<i>Carex wiegandii</i>	Wiegand's Sedge				S3	4 Secure	35	2.2 □ 0.0	NB
P	<i>Carex recta</i>	Estuary Sedge				S3	4 Secure	7	2.9 □ 0.0	NB
P	<i>Cyperus dentatus</i>	Toothed flatsedge				S3	4 Secure	128	16.4 □ 0.0	NB
P	<i>Cyperus esculentus</i>	Perennial Yellow Nutsedge				S3	4 Secure	36	53.1 □ 0.0	NB
P	<i>Eleocharis intermedia</i>	Matted Spikerush				S3	4 Secure	2	94.3 □ 0.0	NB
P	<i>Eleocharis quinqueflora</i>	Five-flowered Spikerush				S3	4 Secure	4	24.2 □ 0.0	NB
P	<i>Rhynchospora capitellata</i>	Small-headed Beardsrush				S3	4 Secure	9	52.8 □ 0.0	NB
P	<i>Rhynchospora fusca</i>	Brown Beardsrush				S3	4 Secure	36	6.9 □ 0.0	NB
P	<i>Trichophorum clintonii</i>	Clinton's Clubrush				S3	4 Secure	19	20.6 □ 0.0	NB
P	<i>Schoenoplectus fluviatilis</i>	River Beardsrush				S3	3 Sensitive	46	20.7 □ 0.0	NB
P	<i>Schoenoplectus torreyi</i>	Torrey's Beardsrush				S3	4 Secure	30	11.5 □ 0.0	NB
P	<i>Lemna trisulca</i>	Star Duckweed				S3	4 Secure	17	27.2 □ 1.0	NB
P	<i>Triantha glutinosa</i>	Sticky False-Asphodel				S3	4 Secure	6	36.7 □ 0.0	NB
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S3	3 Sensitive	19	9.9 □ 0.0	NB
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3	4 Secure	14	4.2 □ 0.0	NB
P	<i>Platanthera blephariglottis</i>	White Ringed Orchid				S3	4 Secure	43	89.7 □ 0.0	NB



Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
P	<i>Platanthera grandiflora</i>	Large Purple Ringed Orchid				S3	3 Sensitive	31	15.6 ± 1.0	NB
P	<i>Bromus latiglumis</i>	Broad-Grained Brome				S3	3 Sensitive	1	54.7 ± 0.0	NB
P	<i>Calamagrostis pickeringii</i>	Pickering's Reed Grass				S3	4 Secure	106	2.1 ± 0.0	NB
P	<i>Dichanthelium depauperatum</i>	Starved Panic Grass				S3	4 Secure	27	54.2 ± 0.0	NB
P	<i>Muhlenbergia richardsonis</i>	Mat Mully				S3	4 Secure	2	99.8 ± 0.0	NB
P	<i>Heteranthera dubia</i>	Water Stargrass				S3	4 Secure	53	12.6 ± 0.0	NB
P	<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed				S3	4 Secure	12	23.4 ± 0.0	NB
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	3 Sensitive	16	11.9 ± 1.0	NB
P	<i>Xyris montana</i>	Northern Yellow-Eyed-Grass				S3	4 Secure	26	3.7 ± 0.0	NB
P	<i>Zannichellia palustris</i>	Horned Pondweed				S3	4 Secure	5	15.4 ± 0.0	NB
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S3	4 Secure	2	16.3 ± 1.0	NB
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S3	4 Secure	2	33.3 ± 1.0	NB
P	<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort				S3	4 Secure	17	9.5 ± 1.0	NB
P	<i>Dryopteris fragrans</i> var. <i>remotiuscula</i>	Grass Wood Fern				S3	4 Secure	16	13.4 ± 0.0	NB
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S3	4 Secure	18	40.7 ± 1.0	NB
P	<i>Equisetum palustre</i>	Marsh Horsetail				S3	4 Secure	6	83.1 ± 10.0	NB
P	<i>Isoetes tuckermanii</i>	Tuckerman's Spillwort				S3	4 Secure	28	21.2 ± 0.0	NB
P	<i>Lycopodium sabinifolium</i>	Ground-ear				S3	4 Secure	9	15.6 ± 1.0	NB
P	<i>Huperzia appalachiana</i>	Appalachian Air-Clubmoss				S3	3 Sensitive	15	15.4 ± 1.0	NB
P	<i>Botrychium dissectum</i>	Cleft-leaved Moonwort				S3	4 Secure	27	9.3 ± 0.0	NB
P	<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>	Lance-Leaf Grape-fern				S3	3 Sensitive	6	11.8 ± 0.0	NB
P	<i>Botrychium simplex</i>	Least Moonwort				S3	4 Secure	8	64.1 ± 0.0	NB
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	4 Secure	8	14.9 ± 1.0	NB
P	<i>Utricularia resupinata</i>	Inverted Bladderwort				S3	4 Secure	19	7.0 ± 0.0	NB
P	<i>Crataegus submollis</i>	Shrubby Hawthorn				S3	3 Sensitive	17	9.0 ± 1.0	NB
P	<i>Mertensia maritima</i>	Sea Lungwort				S3S4	4 Secure	27	7.5 ± 2.0	NB
P	<i>Lobelia kalmii</i>	Brook Lobelia				S3S4	4 Secure	14	14.6 ± 1.0	NB
P	<i>Suaeda calceoliformis</i>	Horned Sea-blite				S3S4	4 Secure	6	2.9 ± 1.0	NB
P	<i>Myriophyllum sibiricum</i>	Siberian Water Milfoil				S3S4	4 Secure	26	15.4 ± 0.0	NB
P	<i>Stachys pilosa</i>	Hairy Hedge-Nettle				S3S4	5 Indetermined	5	62.2 ± 1.0	NB
P	<i>Utricularia gibba</i>	Humped Bladderwort				S3S4	4 Secure	32	7.1 ± 0.0	NB
P	<i>Rumex maritimus</i>	Sea-Side Dock				S3S4	4 Secure	1	66.1 ± 1.0	NB
P	<i>Potentilla arguta</i>	Tall Cinquefoil				S3S4	4 Secure	17	36.5 ± 0.0	NB
P	<i>Rubus chamaemorus</i>	Clostrberry				S3S4	4 Secure	55	2.3 ± 0.0	NB
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	4 Secure	9	2.2 ± 0.0	NB
P	<i>Juniperus horizontalis</i>	Creeping Juniper				S3S4	4 Secure	22	6.0 ± 1.0	NB
P	<i>Cladium mariscoides</i>	Smooth Twigrush				S3S4	4 Secure	36	10.8 ± 0.0	NB
P	<i>Eriophorum russeolum</i>	Russet Cottongrass				S3S4	4 Secure	2	3.1 ± 1.0	NB
P	<i>Triglochin gaspensis</i>	Gasp Arrowgrass				S3S4	4 Secure	18	2.3 ± 0.0	NB
P	<i>Spirodela polyrrhiza</i>	Great Duckweed				S3S4	4 Secure	34	46.8 ± 0.0	NB
P	<i>Corallorhiza maculata</i>	Spotted Coralroot				S3S4	3 Sensitive	11	12.4 ± 1.0	NB
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass				S3S4	4 Secure	1	16.7 ± 2.0	NB
P	<i>Distichlis spicata</i>	Salt Grass				S3S4	4 Secure	3	85.7 ± 0.0	NB
P	<i>Potamogeton oakesianus</i>	Oakes Pondweed				S3S4	4 Secure	49	3.0 ± 0.0	NB
P	<i>Montia fontana</i>	Water Blinns				SH	2 May Be At Risk	1	47.8 ± 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
P	<i>Solidago caesia</i>	Blue-stemmed Goldenrod			S	0.1 Extirpated	2	14.6	1.0	NB
P	<i>Celastrus scandens</i>	Climbing Bittersweet			S	0.1 Extirpated	2	96.6	100.0	NB
P	<i>Carex swanii</i>	Swan's Sedge			S	0.1 Extirpated	51	66.5	0.0	NS

## 5.1 SOURCE BIBLIOGRAPHY (100 km)

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

# recs	CITATION
14332	eBird. 2014. eBird Basic Dataset. Version: EBDrelNov-2014. Ithaca, New York: Nov 2014. Cornell Lab of Ornithology, 25036 recs.
5732	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
5326	Morrison, G. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
3316	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
1723	Pardieck, K.L., Sollows, M.C., Jr., D.J. Hodson, M.-A.R. 2014. North American Breeding Bird Survey Dataset 1966 - 2013, version 2013.0. U.S. Geological Survey, Patuxent Wildlife Research Center www.pwrc.usgs.gov/BBS/RawData/
1007	Blaney, C.S., Mazerolle, D.M. 2011. NB Wetland Inventory on Magalloway & Lower St Croix Rivers. Atlantic Canada Conservation Data Centre, 4585 recs.
747	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero)
535	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2003.
453	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
427	Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
417	Blaney, C.S., Mazerolle, D.M. 2008. Wetland 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
406	Brinelle, P.-M. (compiler) 2009. ADP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADP), 24200 recs.
401	Blaney, C.S., Mazerolle, D.M. 2009. Wetland 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
377	Benedict, B. Connell Herbarium Specimens (Data). University New Brunswick, Fredericton. 2003.
351	Tims, J., Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA) NB Dept of Environment & Nature Trust of New Brunswick Inc, 6042 recs.
230	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
223	Blaney, C.S., Mazerolle, D.M., Klymko, J., Spicer, C.D. 2006. Wetland 2006. Atlantic Canada Conservation Data Centre. Sackville NB, 8399 recs.
219	Hinds, H.R. 1986. Notes on New Brunswick plant collections. Connell Memorial Herbarium, n.publ, 739 recs.
191	Chrchill, J.L., Klymko, J.D. 2016. Bird Species at Risk Inventory on the Acadia Research Forest, 2016. Atlantic Canada Conservation Data Centre, 813 recs.
184	Blaney, C.S., Mazerolle, D.M. 2011. Wetland data from NCC properties at Musquash Harbour NB & Goose Lake NS. Atlantic Canada Conservation Data Centre, 1739 recs.
165	Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.
150	Wilhelm, S., et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs)
143	Blaney, C.S., Mazerolle, D.M. 2012. Wetland 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
138	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
138	Sollows, M.C., 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada)
129	Blaney, C.S., Spicer, C.D., Popma, T.M., Hanel, C. 2002. Wetland 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
123	Benedict, B. Connell Herbarium Specimen Database Download 2004. Connell Memorial Herbarium, University of New Brunswick 2004.
122	Bagnell, B.A. 2001. New Brunswick Bryophyte Occurrences. B&B Botanical, Sackville, 478 recs.
122	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
116	Manthorne, A. 2014. Maritimes Swiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
113	Bishop, G., Papoalias, M., Arnold (Chaplin) M. 2005. Grand Lake Meadows field notes, Summer 2005. New Brunswick Federation of Naturalists, 1638 recs.
113	Boyne, A.W. 2000. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 168 recs.
94	Erskine, A.J. 1999. Maritime Nest Records Scheme (MNRS) 1937-1999. Canadian Wildlife Service, Sackville, 313 recs.
93	Sabine, D.L. 2005. 2001 Freshwater Mussel Surveys. New Brunswick Dept of Natural Resources & Energy, 590 recs.
92	Stewart, J. 2010. Peregrine Falcon Surveys in New Brunswick 2002-09. Canadian Wildlife Service, Sackville, 58 recs.
88	Benjamin, L.K. 2009. NSDNR Wetland Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
82	Robinson, S.L. 2015. 2014 field data.
77	Klymko, J.J.D. 2014. Maritimes Butterfly Atlas, 2012 submissions. Atlantic Canada Conservation Data Centre, 8552 records.
76	Parcs Canada. 2010. Specimens in or near National Parks in Atlantic Canada. Canadian National Museum, 3925 recs.
74	Sollows, M.C. 2008. NBM Science Collections databases: herpetiles. New Brunswick Museum, Saint John NB, download Jan. 2008, 8636 recs.
73	Blaney, C.S. 2000. Wetland 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
73	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
69	Thomas, A.W. 1996. A preliminary atlas of the butterflies of New Brunswick. New Brunswick Museum.
68	Speers, L. 2008. Butterflies of Canada database: New Brunswick 1897-1999. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 2048 recs.
65	Blaney, C.S., Mazerolle, D.M., Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Wetland 2014. Atlantic Canada Conservation Data Centre, 13,278 recs.

# recs	CITATION
65	Blaney, C.S. Mazerolle, D.M. Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre fieldwork 2015. Atlantic Canada Conservation Data Centre, 0 recs.
65	Cowie, D. 2007. Surveyed Lakes in New Brunswick. Canadian Rivers Institute, 781 recs.
59	Blaney, C.S. Spicer, C.D. 2001. fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
57	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: <a href="http://lib.or.acadia.ca/library/Herbarium/proiect/">http://lib.or.acadia.ca/library/Herbarium/proiect/</a> . 582 recs.
55	Scott, Fred W. 1998. Updated Status Report on the Co. gar. P. ma Concolor co. gar. Eastern population. Committee on the Status of Endangered Wildlife in Canada, 298 recs.
52	Klymko, J.J.D. 2016. 2015 field data. Atlantic Canada Conservation Data Centre.
47	McAlpine, D. 1998. NBM Science Collections: Wood Turtle records. New Brunswick Museum, Saint John NB, 329 recs.
46	Clayden, S.R. 2012. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 57 recs.
43	Benjamin, L.K. compiler 2012. Significant Habitat Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
41	Blaney, C.S. Mazerolle, D.M. 2010. fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
41	Blaney, C.S. Mazerolle, D.M. Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000 recs.
38	McAlpine, D. 1998. NBM Science Collections databases to 1998. New Brunswick Museum, Saint John NB, 241 recs.
36	Spicer, C.D. 2002. fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 211 recs.
35	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2009. New Brunswick Dept Natural Resources, 19 recs (14 active)
30	Layberry, R.A. Hall, P.W., LaMontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp. plates.
29	Mills, E. Connell Herbarium Specimens, 1957-2009. University New Brunswick, Fredericton. 2012.
28	Klymko, J.J.D. 2012. Maritimes Butterfly Atlas, 2010 and 2011 records. Atlantic Canada Conservation Data Centre, 6318 recs.
28	Pice, E., Tingley, S. Christie, D.S. 2000. Nature NB Listserv. University of New Brunswick, listserv.nb.ca/archives/naturenb. 68 recs.
27	Blaney, C.S. Spicer, C.D. Mazerolle, D.M. 2005. fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
27	Minro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax Nova Scotia. 2013.
26	Benedict, B. Connell Herbarium Specimens, Digital photos. University New Brunswick, Fredericton. 2005.
26	Cowie, D. 2007. Electrofishing Population Estimates 1979-98. Canadian Rivers Institute, 2698 recs.
26	Klymko, J.J.D. Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
24	Hinds, H.R. 1999. Connell Herbarium Database. University New Brunswick, Fredericton, 131 recs.
24	Tingley, S. compiler 2001. Butterflies of New Brunswick, Web site: <a href="http://www.geocities.com/Yosemite/8425/butterfly">www.geocities.com/Yosemite/8425/butterfly</a> . 142 recs.
23	Doocet, D.A. 2008. fieldwork 2008: Odonata. ACCDC Staff, 625 recs.
23	Speers, L. 2001. Butterflies of Canada database. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 190 recs.
22	Sollow, M.C. 2009. NBM Science Collections databases: Coccinellid & Cerambycid Beetles. New Brunswick Museum, Saint John NB, download Feb. 2009, 569 recs.
21	Pronych, G. Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, 1-168, 169-331. 1446 recs.
21	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
18	Benjamin, L.K. compiler 2007. Significant Habitat Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
17	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
17	Roland, A.E. Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
16	Edsall, J. 2001. Lepidopteran records in New Brunswick, 1997-99. Pers. comm. to K.A. Bredin. 91 recs.
16	Goltz, J.P. Bishop, G. 2005. Confidential supplement to Status Report on Prototype Killwort Isoetes prototypus. Committee on the Status of Endangered Wildlife in Canada, 111 recs.
16	Klymko, J.J.D. 2016. 2014 field data. Atlantic Canada Conservation Data Centre.
16	Spicer, C.D. 2001. Powerline Corridor Botanical Surveys, Charlotte & Saint John Counties. A M E C International, 1269 recs.
15	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
14	Clayden, S.R. 2005. Confidential supplement to Status Report on Ghost Antler Lichen Pseudevernia cladonia. Committee on the Status of Endangered Wildlife in Canada, 27 recs.
13	Doocet, D.A. Edsall, J. Brannelle, P.-M. 2007. Miramichi Watershed Rare Odonata Survey. New Brunswick ET & WT Report, 1211 recs.
13	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
13	Robinson, S.L. 2014. 2013 field Data. Atlantic Canada Conservation Data Centre.
11	Webster, R.P. 2004. Lepidopteran Records for National Wildlife Areas in New Brunswick. Webster, 1101 recs.
10	Blaney, C.S. Spicer, C.D. 2001. fieldwork 2001 (checklist table). Atlantic Canada Conservation Data Centre. Sackville NB, 173 recs.
10	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2010. New Brunswick Dept Natural Resources, 16 recs (11 active)
10	Noseworthy, J. 2013. Van Brunt's Jacobs-ladder observations along tributary of Dipper Harbour. C. Nature Conservancy of Canada, 10 recs.
9	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2000.
8	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
8	Minro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax Nova Scotia. 2014.
8	Webster, R.P. 2006. Survey for Suitable Salt Marshes for the Maritime Ringlet, New Populations of the Cobblestone Tiger Beetle, & New Localities of Three Rare Butterfly Species. New Brunswick WT Report, 28 recs.
7	Baschill, S.P. 2003. fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
7	Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
7	Doocet, D.A. 2007. Lepidopteran Records, 1988-2006. Doocet, 700 recs.
7	Hinds, H.R. 1992. Rare Vascular Plants of New Brunswick National Park, 10 recs.
7	McAlpine, D. 1983. Status of Conservation of Solution Caves in New Brunswick. New Brunswick Museum, Publications in Natural Science, no. 1, 28pp.
7	Wissink, R. 2006. New Brunswick National Park Digital Database. Parks Canada, 41 recs.
7	Wissink, R. Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Wissink 2 Vol., 1297 pp.
6	Bateman, M.C. 2000. Waterfowl Brood Surveys Database, 1990-2000

# recs	CITATION
	. Canadian Wildlife Service, Sacville, unpublished data. 149 recs.
6	Brinelle, P.-M. compiler. 2010. ADP/MDDS Odonata Database: NB, NS update 1900-09. Atlantic Dragonfly inventory Program ADP. 935 recs.
6	Caissie, A. Herbarium Records. 2001. National Park Alma NB. 1961-1993.
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.
6	Litva, M.K. 2001. Shortnose Sturgeon records in four NB rivers. NB Saint John NB. Pers. comm. to K. Bredin, 6 recs.
6	Wissin, R. 2000. Rare Plants of 2001: maps. Parks Canada, 20 recs.
5	Blaney, C.S., Mazerolle, D.M., Oberdorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sacville NB, 13770 recs.
5	Blaney, C.S., Spicer, C.D., Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sacville NB, 1343 recs.
5	Boyne, A.W. 2000. Harlequin in 2001: surveys. Canadian Wildlife Service, Sacville, unpublished data. 5 recs.
5	Marshall, L. 1998. Atlantic Salmon: Southwest New Brunswick water-2001. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-13. 6 recs.
5	Parter, M.S.R. 2011. Hampton Wind Farm 2010: significant floral/faunal observations. , 13 recs.
4	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
4	Bredin, K.A. 2001. WTP Project: freshwater Mussel fieldwork in freshwater Species data. Atlantic Canada Conservation Data Centre, 101 recs.
4	Brinelle, P.-M. 2009. NS Power odonata records for Mersey, Tissett & Sissiboo systems. Nova Scotia Power, 218 recs.
4	Clayden, S.R. 2003. NS lichen ranges, locations. Pers. comm. to C.S. Blaney. 1p, 5 recs, 5 recs.
4	Cronin, P., Ayer, C., DeBee, B., Hooper, W.C., LeBlanc, E., Madden, A., Pettigrew, T., Seymour, P. 1998. Fish Species Management Plans (draft) NB DNRE internal Report. Fredericton, 164pp.
4	Hicklin, P.W. 1999. The Maritime Shorebird Survey Newsletter. Calidris, No. 7. 6 recs.
4	Layberry, R.A. 2012. Lepidopteran records for the Maritimes, 1974-2008. Layberry Collection, 1060 recs.
4	Marin, M., Kenney, R.D. 2001. North Atlantic Right Whale Database. University of Rhode Island, 4 recs.
3	Adams, J., Herman, T.B. 1998. Thesis, unpublished map of C. inscripta sightings. Acadia University, Wolfville NS, 88 recs.
3	Bishop, G. 2012. Field data from September 2012 Anticosti Aster collection trip. , 135 rec.
3	Bishop, G., Bagnell, B.A. 2004. Site Assessment of Miramichi Harbor, Nature Conservancy of Canada Property - Preliminary Botanical Survey. B&B Botanical, 12pp.
3	Blaney, C.S., Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sacville NB.
3	Catling, P.M. 1981. Taxonomy of autumn-flowering Spiranthus species of southern Nova Scotia in Can. J. Bot. , 59:1250-1273. 30 recs.
3	Clayden, S.R. 2006. Pseudevernia cladonia records. NB Museum. Pers. comm. to S. Blaney, Dec, 4 recs.
3	Corbes, G. 2001. Bog Lemming, Phalarope records, NB. , Pers. comm. to K.A. Bredin. 6 recs.
3	Lautenschlager, R.A. 2005. Survey for Species at Risk on the Canadian Forest Service's Acadia Research Forest near Fredericton, New Brunswick. Atlantic Canada Conservation Data Centre, 6. 3 recs.
3	Newell, R.E. 2006. Rare plant observations in Digby Neck. Pers. comm. to S. Blaney, 6 recs.
2	Amirault, D.L., Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sacville, 3344 recs, 1228 new.
2	Amirault, D.L. 1997-2000. unpublished files. Canadian Wildlife Service, Sacville, 470 recs.
2	Amiro, Peter G. 1998. Atlantic Salmon: Inner Bay of 2001. Part of S&A 23. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-12. 4 recs.
2	Bagnell, B.A. 2003. Update to New Brunswick Rare Bryophyte Occurrences. B&B Botanical, Sussex, 5 recs.
2	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sacville NB, 1042 recs.
2	Blaney, C.S. Miscellaneous specimens received by ACCDC botany various persons. 2001-08.
2	Edsall, J. 1992. Summer 1992 Report. New Brunswick Bird Info Line, 2 recs.
2	Edsall, J. 1993. Spring 1993 Report. New Brunswick Bird Info Line, 3 recs.
2	Goltz, J.P. 2001. Botany Ramblings April 29-June 30, 2001. N.B. Naturalist, 28 (2): 51-2. 8 recs.
2	Goltz, J.P. 2002. Botany Ramblings: 1 July to 30 September, 2002. N.B. Naturalist, 29 (3): 84-92. 7 recs.
2	Hill, N.M. 1994. Status report on the Long's benthic Scirpus longii in Canada. Committee on the Status of Endangered Wildlife in Canada, 7 recs.
2	Hinds, H.R. 1999. A Vascular Plant Survey of the Miramichi Estuary in New Brunswick. , 12pp.
2	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
2	Proff, V.D. 2002. Selaginella rupestris sight record at Centreville, Nova Scotia. Virginia D. Proff collection, 2 recs.
2	Waller, E.M. 1942. Additions to the List of Odonates of the Maritime Provinces. Proc. Nova Scotian Inst. Sci., 20. 4: 159-176. 2 recs.
1	Bayne, D. 2014. 2014 rare species observations from southwest Nova Scotia. Nova Scotia Department of Natural Resources, 46 recs.
1	Belliveau, A. 2012. 2012 Atlantic Coastal Plain flora observations. Mersey Tobeatic Research Institute, 1543.
1	Benedict, B. 2006. Argus annotation: Salicpedicularis. Pers. comm. to C.S. Blaney, June 21, 1 rec.
1	Benedict, B. Agalinis neoscotica specimen from Grand Manan. 2009.
1	Benjamin, L.K. 2009. Boreal Belt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
1	Benjamin, L.K. 2012. NSDNR fieldwork consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
1	Bredin, K.A. 2000. NB & NS Bog Project, fieldwork. Atlantic Canada Conservation Data Centre, Sacville, 1 rec.
1	Brinelle, P.-M. 2005. Wood Turtle observations. Pers. comm. to S.H. Gerriets, 21 Sep. 3 recs, 3 recs.
1	Brinton, D., McIntosh, K. L. Agalinis neoscotica herbarium record from D. Brinton Herbarium. D. Brinton Herbarium, Ottawa. 2005.
1	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
1	Clayden, S.R. 2007. NBM Science Collections. Pers. comm. to D. Mazerolle, 1 rec.
1	Crowell, M.J. Plant specimens from Nicta, NS sent to Sean Blaney for identification. Jacques Whitford Limited. 2005.
1	Dadswell, M.J. 1979. Status Report on Shortnose Sturgeon Acipenser brevirostrum in Canada. Committee on the Status of Endangered Wildlife in Canada, 15 pp.
1	Darby, R.W., Bateman, M.C. 1996. The Barrow's Goldeneye Bucephala islandica in the Atlantic Provinces and Maine. Canadian Wildlife Service, Sacville, 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.

# recs	CITATION
1	Edsall, J. 1993. Summer 1993 Report. New Brunswick Bird Info Line, 2 recs.
1	Elderlin M. 2007. Selaginella rupestris, Iris prismatica & Lophiola area records in NS. NS Dept of Natural Resources, Wildlife Div. Pers. comm. to C.S. Blaney, 3 recs.
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	Hinds, H.R. 2000. Flora of New Brunswick (2nd Ed.) University New Brunswick, 694 pp.
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. Acipenseriforms locations. Dept of Fisheries & Oceans, Atlantic Region, Pers. comm. to K. Bredin. 1 rec.
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 Goodyera pubescens at Springdale, NB. Amec Earth and Environmental. Pers. comm. to D.M. Mazerolle, 1 rec.
1	LaPaire, 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 (Erioderma pedicellatum) in Canada. Committee on the Status of Endangered Wildlife in Canada, 1 rec.
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	McAlpine, D. & Co. S.L., McCabe, D.A., Schnare, J.-L. 2004. Occurrence of the Long-tailed Shrew (Sorex dispar) in the Nerepis Hills NB. Northeastern Naturalist, vol 11 (4) 383-386. 1 rec.
1	McAlpine, D. 1983. Species Record Cards. Andy National Park Library, 1 rec.
1	Newell, R. & Neily, T., Toms, B., Proff, G. et al. 2011. NCC Properties fieldwork in NS: August-September 2010. Nature Conservancy Canada, 106 recs.
1	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J. ONH.C, 487 recs.
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 seasonal cycles of Chrysemy spicta & Clemmys insculpta in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
1	Sabine, D.L. & Goltz, J.P. 2006. Discovery of Icthyaria resinata 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	Taylor, Eric B. 1997. Status of the Sympatric Smelt (genus Osmerus) Populations of Lake Umbagog, 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. Listeria australis population at Bell 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. Latenschlager, Aug. 20, photos, 1 rec.
1	Tommer, Kevin. 2016. Email communication April 30, 2016 to John Klymko regarding Snapping Turtle observation in Nova Scotia. Pers. Comm.
1	Webster, R.P. & Edsall, J. 2007. 2005 New Brunswick Rare Butterfly Survey. Environmental Trust Fund, unpublished report, 232 recs.
1	Wissinger, R. 2000. Four-toed Salamander Survey results, 2000. Andy National Park, internal Documents, 1 rec.