

5.3 APPENDIX C: AC CDC REPORT

DATA REPORT 8301: Lake Loon, NS

Prepared 18 October 2024
by P. Greyson, Conservation Data
Analyst

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1.0 PREFACE

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

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

1.1 DATA LIST

Included datasets:

<u>Filename</u>	<u>Contents</u>
LkLoonNS_8301ob.xls	Rare or legally-protected Flora and Fauna in your study area
LkLoonNS_8301ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
LkLoonNS_8301msa.xls	Managed and Biologically Significant Areas in your study area

1.2 RESTRICTIONS

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

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

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

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

Plants, Lichens, Ranking Methods, All other Inquiries

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

Animals (Fauna)

John Klymko
Zoologist
(506) 364-2660
john.klymko@accdc.ca

Data Management, GIS

Charity Robicheau
Senior Conservation Data Analyst
charity.robicheau@accdc.ca

Billing

Jean Breau
Financial Manager / Executive Assistant
(506) 364-2657
jean.breau@accdc.ca

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

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

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

Western: Emma Vost
(902) 670-8187
Emma.Vost@novascotia.ca

Western: Sarah Spencer
(902) 541-0081
Sarah.Spencer@novascotia.ca

Central: Shavonne Meyer
(902) 893-0816
Shavonne.Meyer@novascotia.ca

Central: Kimberly George
(902) 890-1046
Kimberly.George@novascotia.ca

Eastern: Harrison Moore
(902) 497-4119
Harrison.Moore@novascotia.ca

Eastern: Maureen Cameron-MacMillan
(902) 295-2554
Maureen.Cameron-MacMillan@novascotia.ca

Eastern: Elizabeth Walsh
(902) 563-3370
Elizabeth.Walsh@novascotia.ca

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

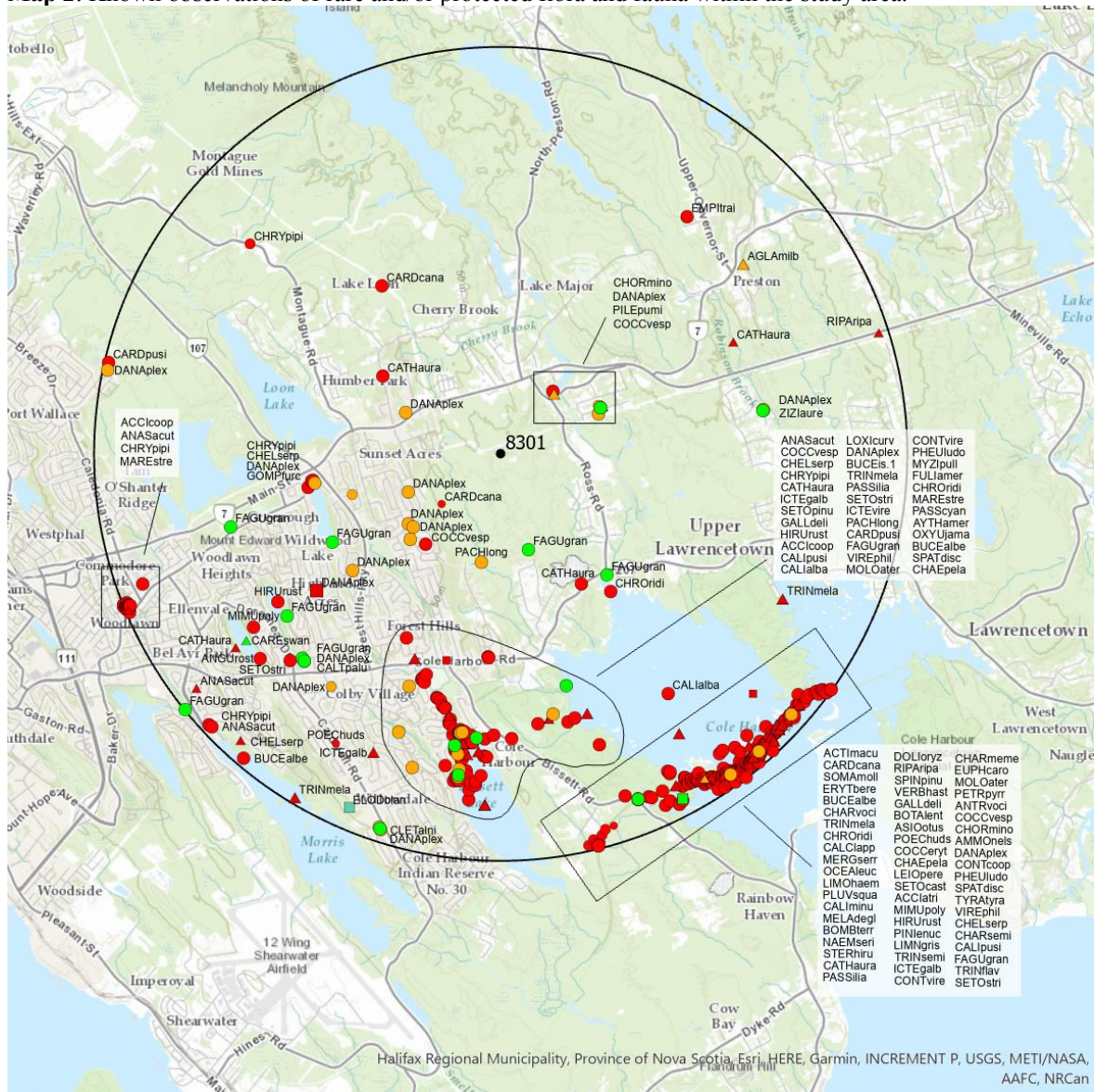
2.1 FLORA

The study area contains 18 records of 7 vascular and 1 record of 1 nonvascular flora (Map 2 and attached: *ob.xls), excluding 'location-sensitive' species.

2.2 FAUNA

The study area contains 616 records of 70 vertebrate and 52 records of 8 invertebrate fauna (Map 2 and attached data files - see 1.1 Data List), excluding 'location-sensitive' species'. Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

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



Resolution

- 1.0 = Within 10s of metres
- 1.7 = Within 50s of metres
- 2.0 = Within 100s of metres
- △ 2.7 = Within 500s of metres
- △ 3.0 = Within kilometres
- 3.7 = Within 5s of kilometres
- 4.0 = Within 10s of kilometres
- 4.7 = Within 50s of kilometres

Higher taxon

- Vertebrate fauna
- Invertebrate fauna
- Vascular flora
- Nonvascular flora

3.0 SPECIAL AREAS

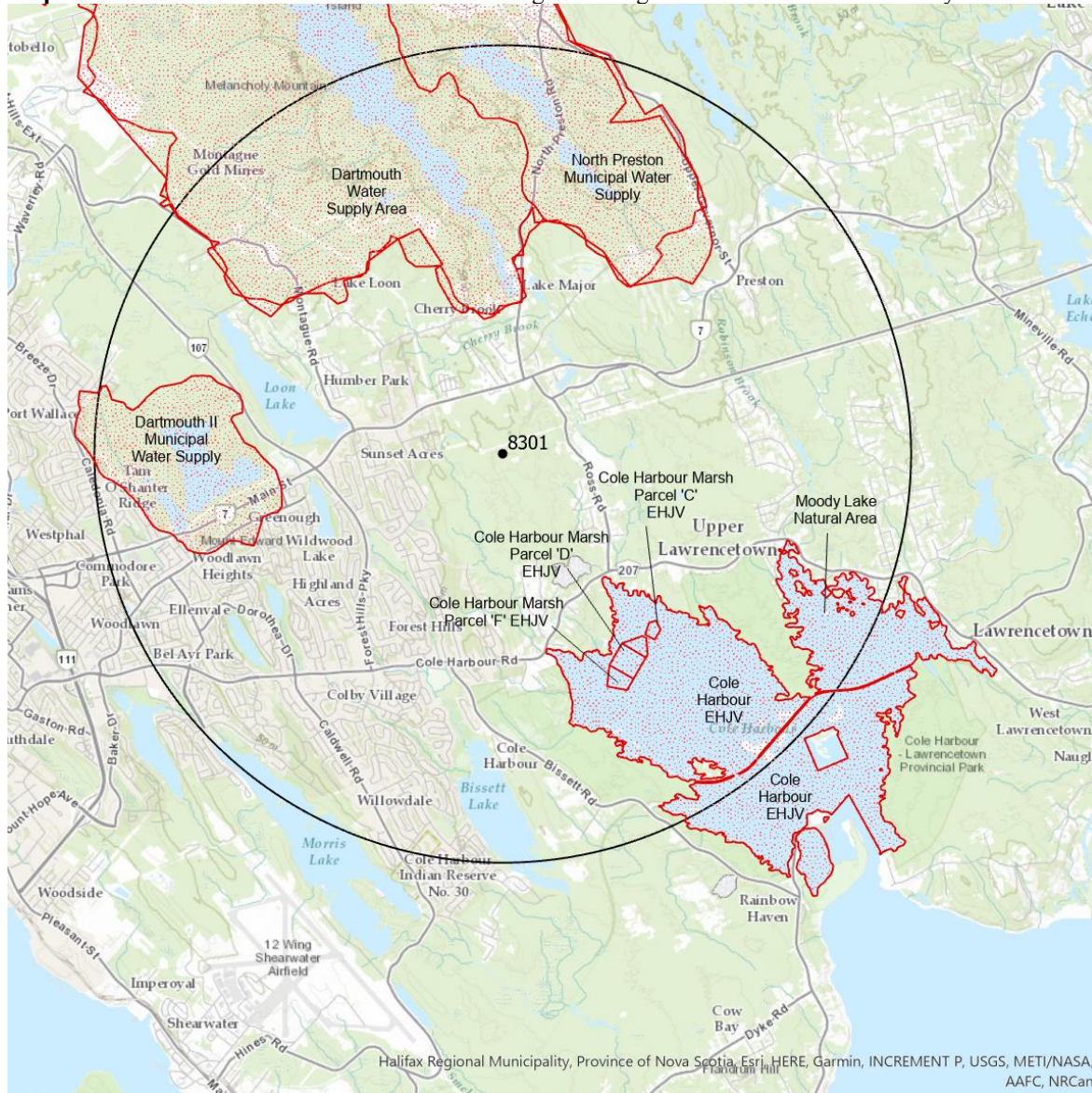
3.1 MANAGED AREAS

The GIS scan identified 10 managed areas in the vicinity of the study area (Map 3 and attached file: *msa.xls).

3.2 SIGNIFICANT AREAS

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

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



Managed Area Significant Area

4.0 RARE SPECIES LISTS

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

4.1 FLORA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	1	4.7 \pm 7.5
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Endangered	Threatened	Vulnerable	S2	1	4.8 \pm 0.2
P	<i>Zizia aurea</i>	Golden Alexanders				S2	1	3.3 \pm 0.2
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	1	3.5 \pm 0.2
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	1	1.4 \pm 0.2
P	<i>Carex swanii</i>	Swan's Sedge				S3	1	3.9 \pm 0.5
P	<i>Fagus grandifolia</i>	American Beech				S3S4	12	1.2 \pm 0.2
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	1	4.8 \pm 7.07

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	3	4.8 \pm 7.07
A	<i>Icteria virens</i>	Yellow-Breasted Chat	Endangered	Endangered		SNA	1	3.4 \pm 0.2
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	4	4.8 \pm 1.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	3	4.3 \pm 1.32
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	5	4.9 \pm 0.2
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	1	4.8 \pm 0.2
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	9	4.8 \pm 0.2
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	1	3.9 \pm 0.2
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	1	4.8 \pm 7.07
A	<i>Bucephala islandica pop. 1</i>	Barrow's Goldeneye - Eastern Population	Special Concern	Special Concern		S1N,SUM	1	3.4 \pm 0.2
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	1	4.8 \pm 7.07
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	6	2.4 \pm 0.2
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	12	3.1 \pm 0.2
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	20	1.0 \pm 0.01
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	5	1.0 \pm 0.15
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	1	4.8 \pm 7.07
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1	4.8 \pm 7.07
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	5	1.4 \pm 0.24
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	2	3.7 \pm 0.2
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	81	2.3 \pm 0.2
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	3	3.1 \pm 0.2
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	5	3.5 \pm 0.2
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	20	4.7 \pm 0.2
A	<i>Accipiter atricapillus</i>	American Goshawk	Not At Risk			S3S4	4	4.8 \pm 7.07
A	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	6	4.8 \pm 0.2
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	1	3.9 \pm 0.2
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	3	4.0 \pm 0.2
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	4	3.7 \pm 0.2
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	13	4.4 \pm 0.2
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	21	4.7 \pm 0.2
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	18	2.5 \pm 0.2
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	2	3.9 \pm 0.2
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	2	3.7 \pm 0.15

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	4	3.7 ± 0.2
A	<i>Somateria mollissima</i>	Common Eider				S2B,S2N,S4M	25	4.3 ± 5.6
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	11	4.0 ± 0.21
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	3	3.3 ± 0.63
A	<i>Melanitta deglandi</i>	White-winged Scoter				S2N,S4M	1	4.9 ± 0.2
A	<i>Asio otus</i>	Long-eared Owl				S2S3	1	4.8 ± 7.07
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	1	4.8 ± 7.07
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	8	1.7 ± 0.2
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	2	2.9 ± 0.2
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	3	2.9 ± 0.2
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	3	4.1 ± 0.01
A	<i>Spinus pinus</i>	Pine Siskin				S3	1	4.8 ± 7.07
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	1	4.8 ± 0.2
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	7	2.5 ± 0.2
A	<i>Charadrius vociferus</i>	Killdeer				S3B	1	4.8 ± 0.2
A	<i>Tringa semipalmata</i>	Willet				S3B	61	4.5 ± 0.2
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	1	4.8 ± 7.07
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	1	4.8 ± 7.07
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	2	3.7 ± 0.2
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	76	3.3 ± 0.63
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S4S5N,S5M	10	4.6 ± 0.2
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	3	2.9 ± 0.2
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	5	3.5 ± 0.2
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	2	3.7 ± 0.2
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	2	4.8 ± 7.07
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	46	4.4 ± 0.2
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	4	3.3 ± 0.63
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	15	4.5 ± 0.24
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	12	2.2 ± 0.2
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	3	3.2 ± 0.2
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	1	4.8 ± 7.07
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	1	4.8 ± 7.07
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	6	4.7 ± 0.2
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	1	4.8 ± 7.07
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	4	3.4 ± 0.2
A	<i>Bucephala albeola</i>	Bufflehead				S3S4N	20	3.5 ± 0.2
A	<i>Aythya americana</i>	Redhead				SHB	3	3.7 ± 0.2
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	38	1.0 ± 1.0
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	2	4.8 ± 0.2
I	<i>Pachydiplax longipennis</i>	Blue Dasher				S1	7	1.4 ± 0.2
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	1	3.8 ± 2.5
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	1	4.7 ± 0.54
I	<i>Myzia pullata</i>	Streaked Lady Beetle				S3	1	4.0 ± 0.2
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	1	2.3 ± 0.2
I	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	1	4.8 ± 0.2

4.3 LOCATION SENSITIVE SPECIES

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

Nova Scotia

Scientific Name	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
<i>Alces alces americana</i>	Moose – Mainland population		Endangered	No
<i>Fraxinus nigra</i>	Black Ash		Threatened	No
<i>Emydoidea blandingii</i>	Blanding's Turtle - Nova Scotia pop.	Endangered	Endangered	No
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	No
Falco peregrinus pop. 1	Peregrine Falcon - anatum/tundrius pop.		Vulnerable	YES
Bat Hibernaculum or bat species occurrence		[Endangered]¹	[Endangered]¹	YES
<i>Snake hibernaculum</i>		[Threatened] ²	[Threatened] ²	No

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

2 *Thamnophis sauritus* (Eastern Ribbonsnake) is Threatened under the Federal Species at Risk Act (SARA) and the Nova Scotia Endangered Species Act. Occurrences between October 15 – April 15 are considered location sensitive.

4.4 SOURCE BIBLIOGRAPHY

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

# recs	CITATION
287	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca, Web site: 128634 recs.
220	iNaturalist.ca. 2024. iNaturalist Data Export December 2023. iNaturalist.org; iNaturalist.ca.
56	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
50	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
20	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
13	Hublely, Nicole. 2022. Monarch (<i>Danaus plexippus</i>) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
9	Nova Scotia Dept Natural Resources, Forestry Branch. 2007. Restricted & Limited Use Land Database (RLUL). , http://www.gov.ns.ca/natr/FORESTRY/rlul/downloadrlul.htm .
8	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
5	iNaturalist.ca. 2024. iNaturalist Data Export December 2023 botany records. iNaturalist.org; iNaturalist.ca.
4	Feltham, Carter. 2022. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
4	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
3	eBird. 2020. eBird Basic Dataset. Version: EBD_relNov-2019. Ithaca, New York. Nov 2019, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology.
2	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
2	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
2	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
2	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
2	Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
1	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
1	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
1	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
1	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
1	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
1	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
1	Staicer, Cindy. 2023. 2022 SAR Bird field occurrences from the Landbirds at Risk Project, NS. Dalhousie University, 446 records.
1	Sutherland, B. 2000. NSNT Properties Data. Nova Scotia Nature Trust, 5 locations.

5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 34739 records of 165 vertebrate and 2054 records of 68 invertebrate fauna; 8204 records of 273 vascular and 3284 records of 188 nonvascular flora (attached: *ob100km.xls).

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

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Coregonus huntsmani</i>	Atlantic Whitefish	Endangered	Endangered	Endangered	S1	160	94.0 \pm 1.0	NS
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	236	14.8 \pm 0.5	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	20	33.7 \pm 0.2	NS
A	<i>Perimyotis subflavus</i>	Tricolored Bat	Endangered	Endangered	Endangered	S1	22	33.7 \pm 0.2	NS
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	35	22.2 \pm 0.5	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	41	15.8 \pm 0.5	NS
A	<i>Emydoidea blandingii pop. 1</i>	Blanding's Turtle - Nova Scotia population	Endangered			S1	113	95.6 \pm 0.01	NS
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	517	10.0 \pm 0.5	NS
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	68	19.5 \pm 0.2	NS
A	<i>Dermochelys coriacea pop. 2</i>	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	3	45.1 \pm 5.0	NS
A	<i>Morone saxatilis pop. 2</i>	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	4	29.3 \pm 0.5	NS
A	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	Endangered	Threatened		SNA	2	82.9 \pm 0.2	NS
A	<i>Protonotaria citrea</i>	Prothonotary Warbler	Endangered	Endangered		SNA	2	26.0 \pm 0.2	NS
A	<i>Icteria virens</i>	Yellow-Breasted Chat	Endangered	Endangered		SNA	5	19.0 \pm 0.2	NS
A	<i>Lasionycteris noctivagans</i>	Silver-haired Bat	Endangered			SUB,S1M	9	6.9 \pm 0.2	NS
A	<i>Lasiurus borealis</i>	Eastern Red Bat	Endangered			SUB,S1M	1	82.4 \pm 0.1	NS
A	<i>Lasiurus cinereus</i>	Hoary Bat	Endangered			SUB,S1M	23	14.7 \pm 0.5	NS
A	<i>Catharus minimus minimus</i>	Gray-cheeked Thrush minimus subspecies	Threatened			S1?B	5	91.3 \pm 0.15	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	35	10.1 \pm 0.15	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	897	13.4 \pm 2.35	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1394	10.1 \pm 0.06	NS
A	<i>Thamnophis saurita pop. 3</i>	Eastern Ribbonsnake - Atlantic population	Threatened	Threatened	Threatened	S2S3	13	90.0 \pm 1.0	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	998	10.4 \pm 0.1	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	75	10.3 \pm 0.2	NS
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened			S2S3N	12	34.1 \pm 0.5	NS
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	59	13.3 \pm 1.4	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	777	11.2 \pm 0.21	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	135	11.1 \pm 0.2	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	3	5.1 \pm 0.33	NS
A	<i>Melanerpes lewis</i>	Lewis's Woodpecker	Threatened	Threatened		SNA	2	22.3 \pm 0.2	NS
A	<i>Parkesia motacilla</i>	Louisiana Waterthrush	Threatened	Threatened		SNA	2	29.6 \pm 0.2	NS
A	<i>Ixobrychus exilis</i>	Least Bittern	Threatened	Threatened		SUB	3	11.1 \pm 0.2	NS
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	34	27.6 \pm 0.2	NS
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	12	14.0 \pm 0.15	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	35	10.0 \pm 0.2	NS
A	<i>Bucephala islandica pop. 1</i>	Barrow's Goldeneye -	Special Concern	Special Concern		S1N,SUM	30	11.4 \pm 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Euphagus carolinus</i>	Eastern Population Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	224	10.7 ± 0.2	NS
A	<i>Histrionicus histrionicus pop. 1</i>	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2N	83	10.8 ± 0.2	NS
A	<i>Balaenoptera physalus pop. 1</i>	Fin Whale - Atlantic population	Special Concern	Special Concern		S2S3	1	75.8 ± 0.49	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	11	10.8 ± 0.2	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	487	11.1 ± 0.2	NS
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1090	3.1 ± 0.2	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	1026	1.0 ± 0.01	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	496	1.0 ± 0.15	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	792	100.0 ± 0.25	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Special Concern	Threatened	Vulnerable	S3B	575	100.0 ± 0.15	NS
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	608	1.4 ± 0.24	NS
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern		S3N,SUM	33	38.7 ± 0.2	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	850	10.4 ± 0.2	NS
A	<i>Phocoena phocoena pop. 1</i>	Harbour Porpoise - Northwest Atlantic Population	Special Concern			S4	17	11.7 ± 0.2	NS
A	<i>Chrysemys picta</i>	Painted Turtle	Special Concern	Special Concern		S4	14	71.5 ± 0.02	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	677	10.7 ± 0.2	NS
A	<i>Calidris subruficollis</i>	Buff-breasted Sandpiper	Special Concern	Special Concern		SNA	12	11.4 ± 0.2	NS
A	<i>Zonotrichia querula</i>	Harris's Sparrow	Special Concern			SNA	2	7.7 ± 0.2	NS
A	<i>Anarhichas lupus</i>	Atlantic Wolffish	Special Concern	Special Concern		SNR	5	12.5 ± 0.89	NS
A	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Special Concern	Special Concern			1	85.9 ± 0.2	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	33	11.2 ± 0.2	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	49	14.2 ± 0.2	NS
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk			S1B	2	17.1 ± 0.2	NS
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk		Vulnerable	S1B,SUM	72	10.1 ± 0.2	NS
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk			S2?B,SUM	4	34.0 ± 7.07	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	1	85.8 ± 5.0	NS
A	<i>Globicephala melas</i>	Long-finned Pilot Whale	Not At Risk			S2S3	3	50.2 ± 100.0	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	35	12.7 ± 1.0	NS
A	<i>Megaptera novaeangliae</i>	Humpback Whale	Not At Risk			S3	2	10.8 ± 0.2	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	346	10.0 ± 0.2	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	61	13.6 ± 0.15	NS
A	<i>Buteo lagopus</i>	Rough-legged Hawk	Not At Risk			S3N	4	11.2 ± 0.21	NS
A	<i>Accipiter atricapillus</i>	American Goshawk	Not At Risk			S3S4	126	11.7 ± 0.2	NS
A	<i>Glaucomys volans</i>	Southern Flying Squirrel	Not At Risk			S3S4	8	40.4 ± 2.56	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	5	19.2 ± 2.17	NS
A	<i>Ammodramus nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	143	10.8 ± 0.25	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	311	11.1 ± 1.03	NS
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S2S3B,S2S3N	30	11.7 ± 0.2	NS
A	<i>Gadus morhua</i>	Atlantic Cod	E,SC,DD			SNR	11	12.6 ± 1.12	NS
A	<i>Salmo salar</i>	Atlantic Salmon	E,T,SC			S1B,S1N	13	41.3 ± 0.26	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	68	18.2 ± 0.2	NS
A	<i>Sorex dispar kirklandi</i>	a long-tailed shrew				S1	2	89.2 ± 0.2	NS
A	<i>Alces alces</i>	Moose				S1	7	27.7 ± 0.26	NS
A	<i>Uria aalge</i>	Common Murre				S1?B	12	10.0 ± 0.27	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	23	10.5 ± 0.2	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	20	13.0 ± 0.2	NS
A	<i>Gallinula galeata</i>	Common Gallinule				S1B	8	13.2 ± 0.2	NS
A	<i>Bartramia longicauda</i>	Upland Sandpiper				S1B	5	10.5 ± 0.2	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	27	18.3 ± 7.07	NS
A	<i>Cistothorus palustris</i>	Marsh Wren				S1B	4	11.3 ± 0.2	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	91	11.7 ± 0.2	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	17	10.9 ± 0.2	NS

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A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	1326	10.0 ± 0.5	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	832	10.9 ± 0.2	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	85	10.2 ± 0.2	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	20	10.9 ± 0.2	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	184	1.0 ± 0.1	NS
A	<i>Poocetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	24	15.9 ± 7.07	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	40	10.9 ± 0.2	NS
A	<i>Alca torda</i>	Razorbill				S2B	33	10.9 ± 0.2	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	46	42.3 ± 0.2	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	27	13.0 ± 7.07	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	150	13.0 ± 7.07	NS
A	<i>Somateria mollissima</i>	Common Eider				S2B,S2N,S4M	1096	10.0 ± 0.2	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	33	10.9 ± 0.2	NS
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	43	10.0 ± 0.15	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	44	100.0 ± 0.25	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	821	10.0 ± 0.2	NS
A	<i>Melanitta perspicillata</i>	Surf Scoter				S2N,S4M	77	10.0 ± 0.2	NS
A	<i>Melanitta deglandi</i>	White-winged Scoter				S2N,S4M	65	10.0 ± 0.2	NS
A	<i>Martes americana</i>	American Marten			Endangered	S2S3	2	16.7 ± 0.2	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	23	14.4 ± 7.07	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	21	13.0 ± 7.07	NS
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	20	42.3 ± 0.2	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	214	13.0 ± 7.07	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	101	10.4 ± 0.2	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	127	1.7 ± 0.2	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	48	10.0 ± 0.2	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	98	10.5 ± 0.2	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	133	11.5 ± 0.5	NS
A	<i>Numenius phaeopus hudsonicus</i>	Whimbrel				S2S3M	111	10.7 ± 0.2	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	4	11.9 ± 0.5	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	544	100.0 ± 0.25	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	580	10.6 ± 0.2	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	461	12.9 ± 7.07	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	131	13.3 ± 0.2	NS
A	<i>Salvelinus namaycush</i>	Lake Trout				S3	2	27.2 ± 0.5	NS
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	1	82.6 ± 1.0	NS
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3	1	93.5 ± 0.5	NS
A	<i>Pekania pennanti</i>	Fisher				S3	9	27.4 ± 0.2	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	12	11.4 ± 0.2	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	68	10.8 ± 0.2	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	487	10.9 ± 0.2	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	1398	10.1 ± 0.2	NS
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	73	10.1 ± 0.2	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	44	16.2 ± 7.07	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	186	11.2 ± 0.2	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	356	10.9 ± 1.09	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	41	17.4 ± 0.5	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	1591	10.1 ± 0.46	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	255	11.0 ± 0.2	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S4S5N,S5M	392	10.0 ± 0.2	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	542	11.9 ± 0.5	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	152	10.2 ± 0.2	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	85	10.0 ± 0.2	NS
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	142	11.1 ± 0.2	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	162	10.1 ± 0.15	NS
A	<i>Branta bernicla</i>	Brant				S3M	4	11.4 ± 0.2	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	1299	10.4 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	493	10.0 ± 0.5	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	1141	10.1 ± 0.46	NS
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	159	11.2 ± 0.2	NS
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	894	10.5 ± 0.2	NS
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S3N	40	10.2 ± 0.33	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	172	14.4 ± 7.07	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	237	100.0 ± 0.25	NS
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	176	11.1 ± 0.15	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	438	100.0 ± 0.25	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	686	10.4 ± 0.2	NS
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	403	10.5 ± 0.2	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	100	13.2 ± 0.2	NS
A	<i>Bucephala albeola</i>	Bufflehead				S3S4N	306	10.0 ± 0.38	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	168	10.7 ± 10.0	NS
A	<i>Lanius borealis</i>	Northern Shrike				S3S4N	2	20.4 ± 0.2	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	73	10.2 ± 0.2	NS
A	<i>Aythya americana</i>	Redhead				SHB	10	3.7 ± 0.2	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	15	16.7 ± 0.24	NS
A	<i>Progne subis</i>	Purple Martin				SHB	3	31.1 ± 0.2	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	28	17.6 ± 7.07	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	24	10.0 ± 1.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	957	1.0 ± 1.0	NS
I	<i>Barnea truncata</i>	Atlantic Mud-piddock		Threatened		S1	11	73.4 ± 0.2	NS
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SH	4	48.8 ± 5.0	NS
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	5	37.9 ± 0.1	NS
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	152	10.1 ± 0.2	NS
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern		Endangered	SH	4	46.9 ± 2.5	NS
I	<i>Gomphurus ventricosus</i>	Skillet Clubtail	Special Concern	Endangered		SH	2	26.7 ± 0.5	NS
I	<i>Erora laeta</i>	Early Hairstreak				S1	1	14.7 ± 1.0	NS
I	<i>Pachydiplax longipennis</i>	Blue Dasher				S1	54	1.4 ± 0.2	NS
I	<i>Polygonia comma</i>	Eastern Comma				S1?	25	10.5 ± 0.25	NS
I	<i>Polygonia satyrus</i>	Satyr Comma				S1?	7	14.7 ± 1.0	NS
I	<i>Boloria chariclea grandis</i>	Purple Lesser Fritillary				S1S2	1	98.6 ± 2.5	NS
I	<i>Somatochlora brevicincta</i>	Quebec Emerald				S1S2	1	12.8 ± 0.1	NS
I	<i>Satyrium acadica</i>	Acadian Hairstreak				S2	4	82.0 ± 2.5	NS
I	<i>Neurocordulia michaeli</i>	Broad-tailed Shadowdragon				S2	4	95.9 ± 0.05	NS
I	<i>Coenagrion resolutum</i>	Taiga Bluet				S2	2	15.7 ± 1.0	NS
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	66	27.0 ± 0.1	NS
I	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	7	13.5 ± 1.0	NS
I	<i>Nymphalis l-album j-album</i>	Compton Tortoiseshell				S2S3	19	10.1 ± 2.5	NS
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	21	10.2 ± 5.0	NS
I	<i>Somatochlora kennedyi</i>	Kennedy's Emerald				S2S3	3	38.7 ± 1.0	NS
I	<i>Enallagma geminatum</i>	Skimming Bluet				S2S3	4	27.7 ± 0.2	NS
I	<i>Stylurus scudderi</i>	Zebra Clubtail				S2S3	6	26.7 ± 0.5	NS
I	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	22	17.3 ± 0.55	NS
I	<i>Strophiona nitens</i>	Chestnut Bark Long-horned Beetle				S3	2	16.1 ± 0.2	NS
I	<i>Psephenus herricki</i>	Herrick's Water Penny Beetle				S3	8	55.5 ± 0.2	NS
I	<i>Carabus serratus</i>	Serrated Ground Beetle				S3	1	80.0 ± 0.2	NS
I	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	3	8.9 ± 0.05	NS
I	<i>Disonycha pensylvanica</i>	Pennsylvania Flea Beetle				S3	1	90.1 ± 0.2	NS
I	<i>Omophron americanum</i>	American Round Sand Beetle				S3	5	79.5 ± 0.01	NS
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	36	4.7 ± 0.54	NS
I	<i>Elateroides lugubris</i>	Sapwood Ship-timber Beetle				S3	1	16.7 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	11	14.6 ± 0.2	NS
I	<i>Myzia pullata</i>	Streaked Lady Beetle				S3	7	11.7 ± 0.2	NS
I	<i>Monochamus marmorator</i>	Balsam Fir Sawyer				S3	3	23.3 ± 0.2	NS
I	<i>Dicerca tuberculata</i>	Swollen Jewel Beetle				S3	1	26.0 ± 9.73	NS
I	<i>Astylopsis sexguttata</i>	Six-speckled Long-horned Beetle				S3	2	17.1 ± 0.25	NS
I	<i>Satyrum calanus falacer</i>	Falacer Hairstreak				S3	73	11.1 ± 5.0	NS
I	<i>Calophrys lanoraieensis</i>	Bog Elfin				S3	28	14.1 ± 2.5	NS
I	<i>Strymon melinus</i>	Gray Hairstreak				S3	16	14.7 ± 1.0	NS
I	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	2	39.1 ± 0.1	NS
I	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	17	84.5 ± 0.2	NS
I	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S3	21	26.7 ± 0.05	NS
I	<i>Epitheca princeps</i>	Prince Baskettail				S3	16	11.4 ± 0.2	NS
I	<i>Somatochlora forcipata</i>	Forcinate Emerald				S3	4	11.5 ± 1.0	NS
I	<i>Enallagma vernale</i>	Vernal Bluet				S3	5	16.6 ± 0.1	NS
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	168	10.1 ± 2.5	NS
I	<i>Lepturoopsis biforis</i>	Two-spotted Long-horned Beetle				S3S4	2	68.4 ± 0.34	NS
I	<i>Cecropterus pylades</i>	Northern Cloudywing				S3S4	5	80.8 ± 2.5	NS
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	29	11.0 ± 0.2	NS
I	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	28	21.7 ± 0.2	NS
I	<i>Argynnis aphrodite winni</i>	Aphrodite Fritillary				S3S4	32	22.3 ± 0.1	NS
I	<i>Polygonia faunus</i>	Green Comma				S3S4	15	10.1 ± 2.5	NS
I	<i>Oeneis jutta ascerta</i>	Jutta Arctic				S3S4	8	36.2 ± 1.0	NS
I	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	11	11.4 ± 1.0	NS
I	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	25	11.8 ± 1.0	NS
I	<i>Boyeria grafiana</i>	Ocellated Darner				S3S4	5	51.8 ± 1.0	NS
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	17	11.8 ± 0.2	NS
I	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	2	38.7 ± 1.0	NS
I	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	4	4.8 ± 0.2	NS
I	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	21	13.4 ± 0.5	NS
I	<i>Sympetrum danae</i>	Black Meadowhawk				S3S4	3	56.1 ± 0.2	NS
I	<i>Enallagma vesperum</i>	Vesper Bluet				S3S4	4	37.5 ± 0.2	NS
I	<i>Amphiagrion saucium</i>	Eastern Red Damsel				S3S4	3	76.1 ± 1.0	NS
I	<i>Sphaerophoria pyrrhina</i>	Violaceous Globetail				SH	1	74.4 ± 5.0	NS
I	<i>Icaricia saepiolus amica</i>	Greenish Blue				SH	1	13.8 ± 2.5	NS
I	<i>Polygonia gracilis</i>	Hoary Comma				SH	1	76.3 ± 2.5	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	32	34.0 ± 0.2	NS
N	<i>Erioderma pedicellatum</i> (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	428	19.8 ± 0.5	NS
N	<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Threatened	Threatened	S1	58	52.1 ± 0.01	NS
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	161	100.0 ± 0.01	NS
N	<i>Anzia colpododes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	35	100.0 ± 0.5	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	19	18.3 ± 0.01	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen	Threatened			S3	17	43.4 ± 0.5	NS
N	<i>Pectenium plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	279	10.2 ± 0.5	NS
N	<i>Sclerophora peronella</i> (Atlantic pop.)	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	32	13.8 ± 0.01	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	19	17.4 ± 0.01	NS
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	15	51.4 ± 0.01	NS
N	<i>Chaenotheca servitii</i>	Flexuous Golden Stubble	Data Deficient			S1	1	85.0 ± 1.0	NS
N	<i>Aloina brevirostris</i>	Short-Beaked Rigid Screw Moss				S1	2	53.6 ± 2.5	NS
N	<i>Sematophyllum demissum</i>	a Moss				S1	1	17.6 ± 2.5	NS
N	<i>Cyrto-hypnum minutulum</i>	Tiny Cedar Moss				S1	1	85.0 ± 0.01	NS
N	<i>Blennothallia crispa</i>	Crinkled Jelly Lichen				S1	1	72.3 ± 0.05	NS
N	<i>Umbilicaria vellea</i>	Grizzled Rocktripe Lichen				S1	1	31.2 ± 5.0	NS

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N	<i>Usnea perplexans</i>	Powdered Beard Lichen				S1	1	75.1 ± 0.4	NS
N	<i>Lathagrium cristatum</i>	Fingered Jelly Lichen				S1	3	60.6 ± 0.05	NS
N	<i>Fuscopannaria praetermissa</i>	Moss Shingles Lichen				S1	1	58.9 ± 0.05	NS
N	<i>Scytinium schraderi</i>	Wrinkled Jellyskin Lichen				S1	1	61.0 ± 0.05	NS
N	<i>Lichina confinis</i>	Marine Seaweed Lichen				S1	4	26.0 ± 0.01	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns				S1	1	68.9 ± 0.2	NS
N	<i>Pseudevernia consocians</i>	Woollybear Lichen				S1	1	85.3 ± 0.05	NS
N	<i>Sticta limbata</i>	Common Antler Lichen				S1	4	48.8 ± 3.9	NS
N	<i>Peltigera lepidophora</i>	Powdered Moon Lichen				S1	5	57.4 ± 0.01	NS
N	<i>Bryoria nitidula</i>	Scaly Pelt Lichen				S1	2	21.5 ± 0.6	NS
N	<i>Hypogymnia hultenii</i>	Tundra Horsehair Lichen				S1	14	15.9 ± 1.3	NS
N	<i>Calypogeia neogaea</i>	Powdered Honeycomb Lichen				S1?	1	69.6 ± 0.01	NS
N	<i>Jubula pennsylvanica</i>	Common Pouchwort				S1?	3	45.0 ± 0.2	NS
N	<i>Aloina rigida</i>	a liverwort				S1?	3	53.6 ± 2.5	NS
N	<i>Imbricium muehlenbeckii</i>	Aloe-Like Rigid Screw Moss				S1?	2	71.2 ± 0.01	NS
N	<i>Conardia compacta</i>	Muehlenbeck's Bryum Moss				S1?	1	41.6 ± 2.0	NS
N	<i>Tortula obtusifolia</i>	Coast Creeping Moss				S1?	3	64.1 ± 0.01	NS
N	<i>Didymodon tophaceus</i>	a Moss				S1?	2	72.0 ± 4.0	NS
N	<i>Grimmia laevigata</i>	Olive Beard Moss				S1?	2	28.3 ± 0.34	NS
N	<i>Homomallium adnatum</i>	a Moss				S1?	1	89.3 ± 0.2	NS
N	<i>Paludella squarrosa</i>	Adnate Hairy-gray Moss				S1?	3	52.8 ± 0.01	NS
N	<i>Physcomitrium immersum</i>	Tufted Fen Moss				S1?	1	89.8 ± 0.38	NS
N	<i>Schistostega pennata</i>	Luminous Moss				S1?	2	47.8 ± 0.01	NS
N	<i>Enchylium limosum</i>	Lime-loving Tarpaper Lichen				S1?	2	72.0 ± 4.0	NS
N	<i>Scytinium intermedium</i>	Forty-five Jellyskin Lichen				S1?	1	72.0 ± 4.0	NS
N	<i>Melanelia culbersonii</i>	Appalachain Camouflage Lichen				S1?	1	51.9 ± 0.05	NS
N	<i>Arrhenopterum heterostichum</i>	One-sided Groove Moss				S1S2	2	53.6 ± 2.5	NS
N	<i>Mnium thomsonii</i>	Thomson's Leafy Moss				S1S2	1	59.3 ± 2.0	NS
N	<i>Tortula acaulon</i>	Cuspidate Earth Moss				S1S2	1	95.2 ± 0.2	NS
N	<i>Plagiothecium latebricola</i>	Alder Silk Moss				S1S2	2	61.4 ± 5.0	NS
N	<i>Platydictya confervoides</i>	a Moss				S1S2	1	57.5 ± 0.01	NS
N	<i>Sematophyllum marylandicum</i>	a Moss				S1S2	2	17.9 ± 3.0	NS
N	<i>Timmia megapolitana</i>	Metropolitan Timmia Moss				S1S2	3	88.8 ± 1.6	NS
N	<i>Tortula mucronifolia</i>	Mucronate Screw Moss				S1S2	1	93.6 ± 3.0	NS
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	1	53.7 ± 0.01	NS
N	<i>Haplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1S2	1	69.2 ± 5.0	NS
N	<i>Rhynchostegium serrulatum</i>	Dark Beaked Moss				S1S2	1	46.6 ± 2.0	NS
N	<i>Enchylium bachmanianum</i>	Bachman's Jelly Lichen				S1S2	2	60.8 ± 0.05	NS
N	<i>Placidium squamulosum</i>	Limy Soil Stipplescale Lichen				S1S2	1	63.2 ± 6.0	NS
N	<i>Pilophorus cereolus</i>	Powdered Matchstick Lichen				S1S2	1	88.5 ± 3.0	NS
N	<i>Rhizoplaca subdiscrepans</i>	Scattered Rock-posy Lichen				S1S2	1	53.2 ± 1.4	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	1	83.7 ± 0.05	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	11	26.2 ± 0.5	NS
N	<i>Umbilicaria polyrhiza</i>	Poor-man's Shingles Lichen				S1S3	1	92.4 ± 0.01	NS
N	<i>Lecanora polytropa</i>	Ballpoint Rocktripe Lichen				S1S3	2	25.9 ± 1.0	NS
N	<i>Acarospora sinopica</i>	a lichen				S1S3	2	13.4 ± 0.2	NS
N	<i>Heterodermia galactophylla</i>	a cracked lichen				S1S3	2	53.2 ± 0.05	NS
N	<i>Xylopsora friesii</i>	Branching Fringe Lichen				S1S3	2	11.2 ± 0.6	NS
N	<i>Stereocaulon grande</i>	a Lichen				S1S3	1	91.1 ± 0.5	NS
N	<i>Stereocaulon intermedium</i>	Grand Foam Lichen				S1S3	5	16.6 ± 0.4	NS

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N	<i>Anacamptodon splachnoides</i>	a Moss				S2	2	11.9 ± 30.0	NS
N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S2	2	18.5 ± 3.0	NS
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2	1	45.6 ± 2.0	NS
N	<i>Usnea flavocardia</i>	Blood-splattered Beard Lichen				S2	1	25.6 ± 4.5	NS
N	<i>Cystocoleus ebeneus</i>	Rockgossamer Lichen				S2	4	18.3 ± 0.02	NS
N	<i>Hypotrachyna catawbiensis</i>	Powder-tipped Antler Lichen				S2	5	17.6 ± 0.01	NS
N	<i>Scytinium imbricatum</i>	Scaly Jellyskin Lichen				S2	3	65.9 ± 4.0	NS
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2	1	17.6 ± 1.7	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	13	12.9 ± 1.0	NS
N	<i>Placynthium flabelliforme</i>	Scaly Ink Lichen				S2	1	31.7 ± 17.5	NS
N	<i>Moerckia flotoviana</i>	Flotow's Ruffwort				S2?	1	72.6 ± 0.01	NS
N	<i>Riccardia multifida</i>	Delicate Germanderwort				S2?	3	44.4 ± 0.2	NS
N	<i>Anomodon viticulosus</i>	a Moss				S2?	1	98.7 ± 0.2	NS
N	<i>Weissia muhlenbergiana</i>	a Moss				S2?	4	59.3 ± 1.2	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	3	16.8 ± 0.53	NS
N	<i>Ptychostomum pendulum</i>	Drooping Bryum				S2?	1	53.6 ± 2.5	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	4	17.6 ± 2.5	NS
N	<i>Dicranum condensatum</i>	Condensed Broom Moss				S2?	2	38.8 ± 0.01	NS
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	1	17.8 ± 1.4	NS
N	<i>Grimmia anomala</i>	Mountain Forest Grimmia				S2?	1	71.6 ± 1.5	NS
N	<i>Kiaeria starkei</i>	Starke's Fork Moss				S2?	1	32.9 ± 10.0	NS
N	<i>Orthotrichum anomalum</i>	Anomalous Bristle Moss				S2?	1	61.5 ± 2.0	NS
N	<i>Philonotis marchica</i>	a Moss				S2?	2	81.7 ± 0.01	NS
N	<i>Platydictya jungermannioides</i>	False Willow Moss				S2?	1	39.4 ± 0.01	NS
N	<i>Cyrtomnium hymenophylloides</i>	Short-pointed Lantern Moss				S2?	1	8.9 ± 5.0	NS
N	<i>Platylorella lescurei</i>	a Moss				S2?	5	45.1 ± 0.01	NS
N	<i>Phylliscum demangeonii</i>	Black Rock-wafer Lichen				S2?	4	62.3 ± 0.05	NS
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S2S3	4	14.1 ± 5.0	NS
N	<i>Platydictya subtilis</i>	Bark Willow Moss				S2S3	1	98.4 ± 3.2	NS
N	<i>Scorpidium revolvens</i>	Limprichtia Moss				S2S3	3	41.9 ± 2.0	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	58	18.2 ± 0.6	NS
N	<i>Moelleropsis nebulosa ssp. frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	2	43.3 ± 0.5	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	12	43.6 ± 0.5	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	90	100.0 ± 0.01	NS
N	<i>Usnea ceratina</i>	Warty Beard Lichen				S2S3	2	85.2 ± 0.05	NS
N	<i>Usnea hirta</i>	Bristly Beard Lichen				S2S3	3	23.5 ± 5.32	NS
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	5	53.1 ± 0.24	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	18	26.1 ± 0.01	NS
N	<i>Usnocetraria oakesiana</i>	Yellow Band Lichen				S2S3	9	18.3 ± 0.21	NS
N	<i>Cetraria muricata</i>	Spiny Heath Lichen				S2S3	1	20.2 ± 0.01	NS
N	<i>Cladonia incrassata</i>	Powder-foot British Soldiers Lichen				S2S3	1	47.5 ± 0.2	NS
N	<i>Cladonia mateocyatha</i>	Mixed-up Pixie-cup				S2S3	5	16.8 ± 5.5	NS
N	<i>Cladonia parasitica</i>	Fence-rail Lichen				S2S3	2	25.9 ± 0.24	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	7	18.4 ± 0.01	NS
N	<i>Melanohalea septentrionalis</i>	Northern Camouflage Lichen				S2S3	1	75.1 ± 0.6	NS
N	<i>Myelochroa aurulenta</i>	Powdery Axil-bristle Lichen				S2S3	1	83.6 ± 2.3	NS
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	10	69.9 ± 0.6	NS
N	<i>Hypotrachyna minarum</i>	Hairless-spined Shield Lichen				S2S3	2	37.3 ± 0.05	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	2	12.7 ± 0.6	NS
N	<i>Racodium rupestre</i>	Rockhair Lichen				S2S3	3	22.0 ± 1.2	NS
N	<i>Umbilicaria polyphylla</i>	Petalled Rocktripe Lichen				S2S3	2	30.6 ± 0.2	NS

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N	<i>Usnea cavernosa</i>	Pitted Beard Lichen				S2S3	4	75.1 ± 0.4	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	75.2 ± 0.25	NS
N	<i>Fuscopannaria sorediata</i>	a Lichen				S2S3	6	22.0 ± 1.2	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	3	21.4 ± 0.01	NS
N	<i>Physcia subtilis</i>	Slender Rosette Lichen				S2S3	2	30.5 ± 0.2	NS
N	<i>Dimelaena oreina</i>	Golden Moonglow Lichen				S2S3	2	14.8 ± 0.62	NS
N	<i>Hypotrachyna revoluta</i>	Granulating Loop Lichen				S2S3	1	97.6 ± 0.2	NS
N	<i>Cetraria arenaria</i>	Sand-loving Icelandmoss Lichen				S2S3	13	70.1 ± 0.4	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup Lichen				S2S3	3	21.9 ± 2.0	NS
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S2S3	2	65.5 ± 4.0	NS
N	<i>Cladonia phyllophora</i>	Felt Lichen				S2S3	2	96.0 ± 4.5	NS
N	<i>Usnea flammea</i>	Coastal Bushy Beard Lichen				S2S3	1	25.9 ± 1.0	NS
N	<i>Ephemerum serratum</i>	a Moss				S3	3	61.4 ± 5.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	14	37.2 ± 0.2	NS
N	<i>Anomodon tristis</i>	a Moss				S3	4	42.2 ± 15.0	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	4	69.4 ± 4.0	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	3	45.6 ± 2.0	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	39	19.8 ± 0.2	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	11	38.3 ± 2.0	NS
N	<i>Fuscopannaria ahlneri</i>	Roughened Shingle Lichen				S3	83	11.8 ± 0.5	NS
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	32	18.2 ± 0.6	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	10	52.5 ± 0.2	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	6	12.2 ± 5.0	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	2	64.1 ± 0.05	NS
N	<i>Platismatia norvegica</i>	Oldgrowth Rag Lichen				S3	1	47.0 ± 0.7	NS
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	21	81.4 ± 0.01	NS
N	<i>Viridothelium virens</i>	a lichen				S3	4	28.2 ± 2.0	NS
N	<i>Ephebe lanata</i>	Waterside Rockshag Lichen				S3	4	31.7 ± 17.5	NS
N	<i>Phaeophyscia adiastrala</i>	Powder-tipped Shadow Lichen				S3	1	10.9 ± 0.2	NS
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	10	10.1 ± 0.2	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	9	24.6 ± 0.5	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	3	15.0 ± 0.2	NS
N	<i>Calliargon giganteum</i>	Giant Spear Moss				S3?	1	50.1 ± 3.0	NS
N	<i>Drummondia prorepens</i>	a Moss				S3?	1	60.5 ± 5.0	NS
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	5	4.7 ± 7.5	NS
N	<i>Mnium stellare</i>	Star Leafy Moss				S3?	3	54.0 ± 0.01	NS
N	<i>Sphagnum lindbergii</i>	Lindberg's Peat Moss				S3?	1	59.5 ± 0.01	NS
N	<i>Sphagnum riparium</i>	Streamside Peat Moss				S3?	3	10.9 ± 0.2	NS
N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	8	22.5 ± 0.01	NS
N	<i>Anomodon rugelii</i>	Rugel's Anomodon Moss				S3S4	1	93.7 ± 0.6	NS
N	<i>Dichelyma capillaceum</i>	Hairlike Dichelyma Moss				S3S4	3	16.7 ± 3.0	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	1	40.3 ± 0.01	NS
N	<i>Encalypta ciliata</i>	Fringed Extinguisher Moss				S3S4	1	93.6 ± 3.0	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	2	33.7 ± 0.01	NS
N	<i>Thamnobryum alleghaniense</i>	a Moss				S3S4	4	78.7 ± 0.2	NS
N	<i>Tomentypnum nitens</i>	Golden Fuzzy Fen Moss				S3S4	4	46.7 ± 2.5	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	2	45.0 ± 0.01	NS
N	<i>Hylocomiastrum pyrenaicum</i>	a Feather Moss				S3S4	1	12.4 ± 0.5	NS
N	<i>Bryoria pseudofuscescens</i>	Mountain Horsehair Lichen				S3S4	4	23.5 ± 1.0	NS
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	10	38.0 ± 0.31	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Sticta fuliginosa</i>	Peppered Moon Lichen				S3S4	72	12.2 ± 5.0	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	97	11.9 ± 1.41	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	9	15.6 ± 0.01	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	33	11.7 ± 0.2	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	26	19.1 ± 0.2	NS
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	4	21.9 ± 0.05	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	54	21.5 ± 0.01	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	92	100.0 ± 0.5	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	1	75.1 ± 0.4	NS
N	<i>Parmeliopsis hyperopta</i>	Gray Starburst Lichen				S3S4	1	92.8 ± 0.5	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	26	10.9 ± 0.2	NS
N	<i>Peltigera hymenina</i>	Cloudy Pelt Lichen				S3S4	2	21.9 ± 2.0	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	16	21.6 ± 0.2	NS
N	<i>Sclerophora peronella</i>	Frosted Glass-whiskers Lichen				S3S4	3	52.3 ± 0.01	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	687	100.0 ± 0.01	NS
N	<i>Physcia caesia</i>	Blue-gray Rosette Lichen				S3S4	2	25.9 ± 1.0	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	7	11.1 ± 0.01	NS
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	109	18.7 ± 0.2	NS
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	38	52.2 ± 0.01	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	118	18.2 ± 0.6	NS
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Endangered	Threatened	Vulnerable	S2	5	10.3 ± 0.1	NS
P	<i>Juglans cinerea</i>	Butternut	Endangered	Endangered		SNA	5	11.8 ± 0.2	NS
P	<i>Fraxinus nigra</i>	Black Ash	Threatened		Threatened	S1S2	789	10.7 ± 0.01	NS
P	<i>Liatis spicata</i>	Dense Blazing Star		Threatened		SNA	1	37.1 ± 0.2	NS
P	<i>Lophiola aurea</i>	Goldencrest		Special Concern	Vulnerable	S2	24	94.4 ± 1.0	NS
P	<i>Lilaeopsis chinensis</i>	Eastern Lilaeopsis		Special Concern	Vulnerable	S3	145	85.5 ± 0.01	NS
P	<i>Isoetes prototypus</i>	Prototype Quillwort		Special Concern	Vulnerable	S3	13	91.9 ± 0.5	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2S3	36	100.0 ± 0.1	NS
P	<i>Salix candida</i>	Sage Willow			Endangered	S1	1	11.9 ± 0.2	NS
P	<i>Acer saccharinum</i>	Silver Maple				S1	13	63.0 ± 0.2	NS
P	<i>Osmorhiza depauperata</i>	Blunt Sweet Cicely				S1	1	83.2 ± 5.0	NS
P	<i>Andersonglossum boreale</i>	Northern Wild Comfrey				S1	5	56.3 ± 1.6	NS
P	<i>Turritis glabra</i>	Tower Mustard				S1	1	89.5 ± 0.5	NS
P	<i>Lobelia spicata</i>	Pale-Spiked Lobelia				S1	6	76.2 ± 7.07	NS
P	<i>Ribes americanum</i>	Wild Black Currant				S1	4	54.9 ± 3.0	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	11	36.1 ± 5.0	NS
P	<i>Persicaria careyi</i>	Carey's Smartweed				S1	1	57.1 ± 3.0	NS
P	<i>Phytolacca americana</i>	Common Pokeweed				S1	4	10.6 ± 0.5	NS
P	<i>Podostemum ceratophyllum</i>	Horn-leaved Riverweed				S1	1	97.6 ± 0.1	NS
P	<i>Montia fontana</i>	Water Blinks				S1	1	12.6 ± 1.0	NS
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	2	19.1 ± 0.2	NS
P	<i>Salix myrtilifolia</i>	Blueberry Willow				S1	1	41.0 ± 0.01	NS
P	<i>Salix serissima</i>	Autumn Willow				S1	2	40.7 ± 0.01	NS
P	<i>Carex digitalis</i>	Slender Wood Sedge				S1	1	99.3 ± 0.2	NS
P	<i>Carex garberi</i>	Garber's Sedge				S1	4	82.6 ± 0.01	NS
P	<i>Carex laxiflora</i>	Loose-Flowered Sedge				S1	1	93.5 ± 1.0	NS
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge				S1	5	63.4 ± 0.2	NS
P	<i>Carex prairea</i>	Prairie Sedge				S1	2	97.0 ± 1.0	NS
P	<i>Carex viridula var. saxilittoralis</i>	Greenish Sedge				S1	4	59.6 ± 2.0	NS
P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	5	14.8 ± 0.21	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	1	95.3 ± 100.0	NS
P	<i>Sisyrinchium fuscatum</i>	Coastal Plain Blue-eyed-grass				S1	1	95.1 ± 0.1	NS
P	<i>Juncus secundus</i>	Secund Rush				S1	1	100.0 ± 0.1	NS
P	<i>Juncus vaseyi</i>	Vasey Rush				S1	1	82.9 ± 0.02	NS
P	<i>Trillium grandiflorum</i>	White Trillium				S1	3	97.0 ± 1.0	NS

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P	<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	North American White Adder's-mouth				S1	4	87.8 ± 10.0	NS
P	<i>Spiranthes casei</i> var. <i>casei</i>	Case's Ladies'-Tresses				S1	1	78.4 ± 0.1	NS
P	<i>Dichantheium xanthophysum</i>	Slender Panic Grass				S1	10	91.1 ± 1.6	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	12	48.0 ± 1.0	NS
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	25	37.1 ± 0.3	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	2	91.0 ± 0.2	NS
P	<i>Botrychium lunaria</i>	Common Moonwort				S1	10	9.5 ± 0.2	NS
P	<i>Selaginella rupestris</i>	Rock Spikemoss				S1	1	55.4 ± 0.01	NS
P	<i>Solidago hispida</i>	Hairy Goldenrod				S1?	2	8.8 ± 7.07	NS
P	<i>Suaeda rolandii</i>	Roland's Sea-Blite				S1?	5	56.7 ± 2.0	NS
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	4	19.9 ± 0.05	NS
P	<i>Allium schoenoprasum</i>	Wild Chives				S1?	7	10.4 ± 0.2	NS
P	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives				S1?	1	76.7 ± 7.07	NS
P	<i>Crocanthemum canadense</i>	Long-branched Frostweed			Endangered	S1S2	2	27.0 ± 1.6	NS
P	<i>Cypripedium arietinum</i>	Ram's-Head Lady's-Slipper			Endangered	S1S2	311	51.2 ± 0.5	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	9	52.8 ± 0.1	NS
P	<i>Draba glabella</i>	Rock Whitlow-Grass				S1S2	1	94.3 ± 0.05	NS
P	<i>Proserpinaca intermedia</i>	Intermediate Mermaidweed				S1S2	2	36.2 ± 0.9	NS
P	<i>Anemone virginiana</i> var. <i>alba</i>	Virginia Anemone				S1S2	5	76.7 ± 7.07	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	3	57.0 ± 0.2	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	1	52.0 ± 10.0	NS
P	<i>Euphrasia farlowii</i>	Farlow's Eyebright				S1S3	2	89.1 ± 0.01	NS
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	2	50.3 ± 0.01	NS
P	<i>Zizia aurea</i>	Golden Alexanders				S2	43	3.3 ± 0.2	NS
P	<i>Antennaria parlinii</i> ssp. <i>fallax</i>	Parlin's Pussytoes				S2	36	49.1 ± 7.07	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	27	11.7 ± 0.2	NS
P	<i>Arabis pycnocarpa</i>	Cream-flowered Rockcress				S2	1	90.6 ± 0.1	NS
P	<i>Cardamine maxima</i>	Large Toothwort				S2	1	83.2 ± 0.2	NS
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	193	10.4 ± 2.7	NS
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	14	75.9 ± 5.0	NS
P	<i>Hylodesmum glutinosum</i>	Large Tick-trefoil				S2	23	53.9 ± 0.01	NS
P	<i>Conopholis americana</i>	American Cancer-root				S2	21	89.5 ± 7.07	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	15	11.4 ± 0.46	NS
P	<i>Hepatica americana</i>	Round-lobed Hepatica				S2	77	39.0 ± 0.01	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S2	25	10.5 ± 1.0	NS
P	<i>Galium boreale</i>	Northern Bedstraw				S2	6	84.1 ± 1.0	NS
P	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop				S2	6	58.0 ± 0.2	NS
P	<i>Dirca palustris</i>	Eastern Leatherwood				S2	75	33.5 ± 1.0	NS
P	<i>Carex gynocrates</i>	Northern Bog Sedge				S2	2	41.0 ± 0.01	NS
P	<i>Carex pellita</i>	Woolly Sedge				S2	2	62.3 ± 10.0	NS
P	<i>Carex livida</i>	Livid Sedge				S2	13	18.6 ± 0.01	NS
P	<i>Juncus greenei</i>	Greene's Rush				S2	5	11.1 ± 10.0	NS
P	<i>Allium tricoccum</i>	Wild Leek				S2	53	81.3 ± 13.59	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	76	100.0 ± 1.5	NS
P	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper				S2	27	23.7 ± 7.07	NS
P	<i>Cypripedium parviflorum</i> var. <i>makasin</i>	Small Yellow Lady's-Slipper				S2	10	53.3 ± 0.01	NS
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	59	40.4 ± 0.01	NS
P	<i>Platanthera flava</i> var. <i>flava</i>	Southern Rein Orchid				S2	3	81.8 ± 7.07	NS
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid				S2	11	81.0 ± 1.0	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	5	65.0 ± 1.0	NS
P	<i>Bromus latiglumis</i>	Broad-Glumed Brome				S2	28	64.4 ± 0.01	NS

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P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	59	64.6 ± 0.01	NS
P	<i>Elymus wiegandii</i>	Wiegand's Wild Rye				S2	6	8.8 ± 7.07	NS
P	<i>Festuca subverticillata</i>	Nodding Fescue				S2	9	59.6 ± 5.0	NS
P	<i>Piptatheropsis pungens</i>	Slender Ricegrass				S2	2	77.9 ± 10.0	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	3	61.9 ± 0.25	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	1	44.9 ± 0.25	NS
P	<i>Rumex persicarioides</i>	Peach-leaved Dock				S2?	1	60.7 ± 0.01	NS
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	5	36.6 ± 7.07	NS
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	4	39.2 ± 0.01	NS
P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	17	11.0 ± 0.2	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	15	55.5 ± 0.01	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	2	63.7 ± 1.0	NS
P	<i>Lactuca hirsuta</i>	Hairy Lettuce				S2S3	3	13.5 ± 7.07	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	2	94.1 ± 1.0	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	77	100.0 ± 0.1	NS
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S2S3	10	93.5 ± 1.0	NS
P	<i>Boechera stricta</i>	Drummond's Rockcress				S2S3	10	81.3 ± 0.01	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	4	48.2 ± 0.1	NS
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2S3	2	59.6 ± 2.0	NS
P	<i>Hypericum majus</i>	Large St John's-wort				S2S3	4	14.2 ± 0.01	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	5	12.9 ± 10.0	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	5	17.4 ± 0.5	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	12	72.0 ± 3.0	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	8	37.5 ± 1.5	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	11	35.6 ± 5.0	NS
P	<i>Oenothera fruticosa</i> ssp. <i>tetragona</i>	Narrow-leaved Evening Primrose				S2S3	8	22.8 ± 7.07	NS
P	<i>Polygala polygama</i>	Racemed Milkwort				S2S3	1	11.1 ± 1.0	NS
P	<i>Polygonum aviculare</i> ssp. <i>buxiforme</i>	Box Knotweed				S2S3	8	59.5 ± 7.07	NS
P	<i>Polygonum oxyspermum</i> ssp. <i>raii</i>	Ray's Knotweed				S2S3	3	56.9 ± 1.0	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	9	22.7 ± 0.5	NS
P	<i>Primula mistassinica</i>	Mistassini Primrose				S2S3	17	69.4 ± 1.0	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	14	47.8 ± 0.01	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	27	10.1 ± 0.2	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	1	91.0 ± 7.07	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	16	10.5 ± 0.2	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	3	52.5 ± 2.0	NS
P	<i>Tiarella stolonifera</i>	Stoloniferous Foamflower				S2S3	15	36.7 ± 0.01	NS
P	<i>Agalinis purpurea</i> var. <i>parviflora</i>	Small-flowered Purple False Foxglove				S2S3	4	91.9 ± 0.2	NS
P	<i>Boehmeria cylindrica</i>	Small-spike False-nettle				S2S3	55	32.9 ± 0.2	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	8	13.3 ± 0.01	NS
P	<i>Carex capillaris</i>	Hairlike Sedge				S2S3	1	98.9 ± 0.02	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	5	59.7 ± 7.07	NS
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	4	52.4 ± 0.2	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	9	100.0 ± 0.1	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	7	40.6 ± 0.5	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	7	34.1 ± 0.01	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	11	25.1 ± 1.2	NS
P	<i>Najas gracillima</i>	Thread-Like Naiad				S2S3	2	44.7 ± 0.45	NS
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	18	35.7 ± 1.0	NS
P	<i>Spiranthes casei</i> var. <i>novaescotiae</i>	Case's Ladies'-Tresses				S2S3	3	50.5 ± 0.2	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	13	38.7 ± 1.3	NS
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	10	77.1 ± 5.0	NS
P	<i>Woodsia glabella</i>	Smooth Cliff Fern				S2S3	1	89.4 ± 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	4	52.7 ± 5.0	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	4	27.3 ± 0.1	NS
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	5	13.0 ± 7.07	NS
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	8	62.8 ± 2.5	NS
P	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica				S3	1	66.3 ± 0.01	NS
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	2	56.2 ± 0.05	NS
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed				S3	2	74.7 ± 0.5	NS
P	<i>Iva frutescens</i>	Big-leaved Marsh-elder				S3	95	55.4 ± 0.01	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	32	11.1 ± 0.2	NS
P	<i>Symphotrichum boreale</i>	Boreal Aster				S3	3	76.7 ± 7.07	NS
P	<i>Symphotrichum ciliolatum</i>	Fringed Blue Aster				S3	19	40.4 ± 0.01	NS
P	<i>Symphotrichum undulatum</i>	Wavy-leaved Aster				S3	123	18.7 ± 7.07	NS
P	<i>Alnus serrulata</i>	Smooth Alder				S3	19	93.7 ± 0.01	NS
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	31	17.2 ± 0.1	NS
P	<i>Betula pumila</i>	Bog Birch				S3	3	38.3 ± 0.01	NS
P	<i>Cardamine parviflora</i>	Small-flowered Bittercress				S3	14	40.6 ± 1.0	NS
P	<i>Palustricodon aparinoides</i>	Marsh Bellflower				S3	14	57.0 ± 1.0	NS
P	<i>Mononeuria groenlandica</i>	Greenland Stitchwort				S3	223	12.7 ± 0.2	NS
P	<i>Sagina nodosa</i>	Knotted Pearlwort				S3	64	17.4 ± 0.5	NS
P	<i>Sagina nodosa</i> ssp. <i>borealis</i>	Knotted Pearlwort				S3	10	29.9 ± 0.63	NS
P	<i>Stellaria longifolia</i>	Long-leaved Starwort				S3	11	27.1 ± 5.0	NS
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort				S3	6	66.8 ± 0.01	NS
P	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed				S3	47	51.4 ± 0.01	NS
P	<i>Crassula aquatica</i>	Water Pygmyweed				S3	1	42.1 ± 0.1	NS
P	<i>Empetrum eamesii</i>	Pink Crowberry				S3	94	13.6 ± 0.1	NS
P	<i>Vaccinium uliginosum</i>	Alpine Bilberry				S3	4	20.6 ± 1.0	NS
P	<i>Halenia deflexa</i>	Spurred Gentian				S3	4	36.2 ± 0.01	NS
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	10	39.8 ± 0.2	NS
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil				S3	3	53.5 ± 7.07	NS
P	<i>Epilobium densum</i>	Downy Willowherb				S3	7	56.5 ± 0.01	NS
P	<i>Polygala sanguinea</i>	Blood Milkwort				S3	39	14.3 ± 0.01	NS
P	<i>Persicaria arifolia</i>	Halberd-leaved Tearthumb				S3	14	38.2 ± 0.05	NS
P	<i>Plantago rugelii</i>	Rugel's Plantain				S3	8	13.4 ± 0.5	NS
P	<i>Primula laurentiana</i>	Laurentian Primrose				S3	8	90.2 ± 7.07	NS
P	<i>Samolus parviflorus</i>	Seaside Brookweed				S3	46	13.9 ± 1.0	NS
P	<i>Pyrola minor</i>	Lesser Pyrola				S3	2	23.1 ± 0.01	NS
P	<i>Anemone virginiana</i>	Virginia Anemone				S3	19	51.6 ± 5.0	NS
P	<i>Cephalanthus occidentalis</i>	Common Buttonbush				S3	9	11.1 ± 0.2	NS
P	<i>Galium labradoricum</i>	Labrador Bedstraw				S3	79	38.0 ± 0.05	NS
P	<i>Salix pedicellaris</i>	Bog Willow				S3	54	27.0 ± 0.01	NS
P	<i>Salix sericea</i>	Silky Willow				S3	124	26.9 ± 1.0	NS
P	<i>Saxifraga paniculata</i> ssp. <i>laestadii</i>	Laestadius' Saxifrage				S3	2	87.8 ± 7.07	NS
P	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel				S3	9	100.0 ± 1.0	NS
P	<i>Laportea canadensis</i>	Canada Wood Nettle				S3	48	33.2 ± 0.01	NS
P	<i>Pilea pumila</i>	Dwarf Clearweed				S3	9	1.4 ± 0.2	NS
P	<i>Viola nephrophylla</i>	Northern Bog Violet				S3	7	55.5 ± 1.5	NS
P	<i>Carex bebbii</i>	Bebb's Sedge				S3	24	53.3 ± 0.01	NS
P	<i>Carex castanea</i>	Chestnut Sedge				S3	39	38.0 ± 0.01	NS
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	11	26.6 ± 6.5	NS
P	<i>Carex eburnea</i>	Bristle-leaved Sedge				S3	11	60.9 ± 1.0	NS
P	<i>Carex hirtifolia</i>	Pubescent Sedge				S3	32	43.5 ± 7.5	NS
P	<i>Carex lupulina</i>	Hop Sedge				S3	62	13.3 ± 1.2	NS
P	<i>Carex rosea</i>	Rosy Sedge				S3	37	51.9 ± 1.0	NS
P	<i>Carex swanii</i>	Swan's Sedge				S3	4	15.9 ± 0.5	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Carex tenera</i>	Tender Sedge				S3	4	53.2 ± 0.1	NS
P	<i>Carex tribuloides</i>	Blunt Broom Sedge				S3	13	40.7 ± 0.01	NS
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge				S3	32	53.0 ± 0.01	NS
P	<i>Eleocharis nitida</i>	Quill Spikerush				S3	6	47.8 ± 5.0	NS
P	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	Bright-green Spikerush				S3	7	44.6 ± 0.01	NS
P	<i>Eriophorum gracile</i>	Slender Cottongrass				S3	6	13.0 ± 7.07	NS
P	<i>Coeloglossum viride</i>	Long-bracted Frog Orchid				S3	3	79.0 ± 1.0	NS
P	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper				S3	589	6.8 ± 0.2	NS
P	<i>Neottia bifolia</i>	Southern Twayblade				S3	167	6.7 ± 0.2	NS
P	<i>Platanthera flava</i>	Southern Rein-Orchid				S3	30	91.0 ± 0.01	NS
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid				S3	102	6.7 ± 0.2	NS
P	<i>Platanthera hookeri</i>	Hooker's Orchid				S3	16	54.3 ± 0.01	NS
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S3	7	59.7 ± 7.07	NS
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S3	8	13.7 ± 7.07	NS
P	<i>Poa glauca</i>	Glaucous Blue Grass				S3	3	53.9 ± 1.0	NS
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed				S3	4	66.3 ± 5.0	NS
P	<i>Potamogeton richardsonii</i>	Richardson's Pondweed				S3	4	56.1 ± 0.01	NS
P	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed				S3	15	27.3 ± 5.0	NS
P	<i>Asplenium viride</i>	Green Spleenwort				S3	10	89.6 ± 7.07	NS
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern				S3	7	88.6 ± 7.07	NS
P	<i>Sceptridium dissectum</i>	Dissected Moonwort				S3	2	87.4 ± 0.5	NS
P	<i>Polypodium appalachianum</i>	Appalachian Polypody				S3	20	12.8 ± 0.2	NS
P	<i>Persicaria amphibia</i> var. <i>emersa</i>	Long-root Smartweed				S3?	16	34.1 ± 0.01	NS
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses				S3?	43	14.2 ± 0.2	NS
P	<i>Diphasiastrum x sabinifolium</i>	Savin-leaved Ground-cedar				S3?	2	78.1 ± 0.1	NS
P	<i>Bidens vulgata</i>	Tall Beggarticks				S3S4	7	12.6 ± 0.2	NS
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane				S3S4	25	54.3 ± 7.07	NS
P	<i>Hieracium paniculatum</i>	Panicled Hawkweed				S3S4	25	53.1 ± 11.0	NS
P	<i>Bidens beckii</i>	Water Beggarticks				S3S4	8	26.7 ± 0.5	NS
P	<i>Packera paupercula</i>	Balsam Groundsel				S3S4	110	51.2 ± 0.01	NS
P	<i>Atriplex glabriuscula</i> var. <i>franktonii</i>	Frankton's Saltbush				S3S4	13	62.6 ± 0.01	NS
P	<i>Shepherdia canadensis</i>	Soapberry				S3S4	114	45.7 ± 7.07	NS
P	<i>Vaccinium boreale</i>	Northern Blueberry				S3S4	3	38.6 ± 0.01	NS
P	<i>Vaccinium cespitosum</i>	Dwarf Bilberry				S3S4	76	25.5 ± 0.01	NS
P	<i>Vaccinium corymbosum</i>	Highbush Blueberry				S3S4	13	12.3 ± 3.52	NS
P	<i>Fagus grandifolia</i>	American Beech				S3S4	858	1.2 ± 0.2	NS
P	<i>Bartonia virginica</i>	Yellow Bartonia				S3S4	27	25.5 ± 7.07	NS
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	12	17.7 ± 1.5	NS
P	<i>Decodon verticillatus</i>	Swamp Loosestrife				S3S4	3	58.8 ± 0.2	NS
P	<i>Nuphar microphylla</i>	Small Yellow Pond-lily				S3S4	1	49.6 ± 0.01	NS
P	<i>Persicaria pensylvanica</i>	Pennsylvania Smartweed				S3S4	30	100.0 ± 0.1	NS
P	<i>Fallopia scandens</i>	Climbing False Buckwheat				S3S4	18	22.2 ± 0.2	NS
P	<i>Rumex pallidus</i>	Seabeach Dock				S3S4	1	27.5 ± 0.01	NS
P	<i>Pyrola asarifolia</i>	Pink Pyrola				S3S4	10	27.7 ± 50.0	NS
P	<i>Endotropis alnifolia</i>	Alder-leaved Buckthorn				S3S4	271	36.4 ± 0.01	NS
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	41	24.6 ± 0.01	NS
P	<i>Crataegus succulenta</i>	Fleshy Hawthorn				S3S4	1	14.1 ± 0.01	NS
P	<i>Fragaria vesca</i> ssp. <i>americana</i>	Woodland Strawberry				S3S4	66	33.4 ± 0.01	NS
P	<i>Fragaria vesca</i>	Woodland Strawberry				S3S4	6	10.6 ± 0.2	NS
P	<i>Galium aparine</i>	Common Bedstraw				S3S4	50	10.6 ± 0.08	NS
P	<i>Geocaulon lividum</i>	Northern Comandra				S3S4	4	61.6 ± 0.01	NS
P	<i>Limosella australis</i>	Southern Mudwort				S3S4	7	10.3 ± 0.5	NS
P	<i>Ulmus americana</i>	White Elm				S3S4	80	10.0 ± 0.2	NS
P	<i>Verbena hastata</i>	Blue Vervain				S3S4	160	100.0 ± 0.1	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet				S3S4	37	11.3 ± 0.2	NS
P	<i>Viola selkirkii</i>	Great-Spurred Violet				S3S4	5	48.2 ± 4.8	NS
P	<i>Symplocarpus foetidus</i>	Eastern Skunk Cabbage				S3S4	10	12.4 ± 0.2	NS
P	<i>Carex argyrantha</i>	Silvery-flowered Sedge				S3S4	7	63.2 ± 1.5	NS
P	<i>Sisyrinchium atlanticum</i>	Eastern Blue-Eyed-Grass				S3S4	3	75.4 ± 0.8	NS
P	<i>Triglochin gaspensis</i>	Gaspé Arrowgrass				S3S4	29	36.2 ± 0.01	NS
P	<i>Juncus acuminatus</i>	Sharp-Fruit Rush				S3S4	5	14.2 ± 0.01	NS
P	<i>Juncus subcaudatus</i>	Woods-Rush				S3S4	23	26.2 ± 0.01	NS
P	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	Black-fruited Woodrush				S3S4	2	85.4 ± 0.01	NS
P	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain				S3S4	6	64.3 ± 0.01	NS
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3S4	8	14.2 ± 0.2	NS
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	7	8.8 ± 10.0	NS
P	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid				S3S4	13	48.2 ± 4.8	NS
P	<i>Alopecurus aequalis</i>	Short-awned Foxtail				S3S4	7	37.1 ± 0.01	NS
P	<i>Dichantherium clandestinum</i>	Deer-tongue Panic Grass				S3S4	305	16.1 ± 0.2	NS
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	3	53.2 ± 0.01	NS
P	<i>Koeleria spicata</i>	Narrow False Oats				S3S4	11	52.6 ± 1.5	NS
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort				S3S4	14	78.2 ± 0.85	NS
P	<i>Equisetum pratense</i>	Meadow Horsetail				S3S4	16	52.8 ± 0.01	NS
P	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar				S3S4	14	13.9 ± 1.0	NS
P	<i>Diphasiastrum sitchense</i>	Sitka Ground-cedar				S3S4	2	83.2 ± 1.0	NS
P	<i>Huperzia appressa</i>	Mountain Firmoss				S3S4	9	66.2 ± 7.07	NS
P	<i>Sceptridium multifidum</i>	Leathery Moonwort				S3S4	8	55.8 ± 10.0	NS
P	<i>Botrychium matricariifolium</i>	Daisy-leaved Moonwort				S3S4	4	9.6 ± 0.2	NS
P	<i>Viola canadensis</i>	Canada Violet				SH	2	59.6 ± 0.75	NS
P	<i>Greeneochloa coarctata</i>	Small Reedgrass				SH	1	15.0 ± 6.0	NS

5.1 SOURCE BIBLIOGRAPHY (100 km)

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

# recs	CITATION
7024	Morrison, Guy. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
6613	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
5576	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca, Web site: 128634 recs.
2523	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
2305	Pardieck, K.L., Ziolkowski Jr., D.J., Lutmerding, M., Aponte, V.I., and Hudson, M-A.R. 2020. North American Breeding Bird Survey Dataset 1966 - 2019: U.S. Geological Survey data release, https://doi.org/10.5066/P9J6QUF6
2004	Paquet, Julie. 2018. Atlantic Canada Shorebird Survey (ACSS) database 2012-2018. Environment Canada, Canadian Wildlife Service.
1850	iNaturalist.ca. 2024. iNaturalist Data Export December 2023. iNaturalist.org; iNaturalist.ca.
1588	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
1087	eBird. 2020. eBird Basic Dataset. Version: EBD_relNov-2019. Ithaca, New York. Nov 2019, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology.
924	Paquet, Julie. 2019. Atlantic Canada Shorebird Survey ACSS database for 2019. Environment Canada, Canadian Wildlife Service.
758	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
622	Cameron, E. 2008. Canadian Gypsum Co. survey 2007-08. Conestoga-Rovers & Assoc., 623 recs.
617	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
596	Eaton, S. 2014. Nova Scotia Wood Turtle Database. Environment and Climate Change Canada, 4843 recs.
562	SwiftWatch. 2022. Total Chimney Swift counts from roost watches for the duration of the SwiftWatch program (2011-2021). Birds Canada.
551	iNaturalist.ca. 2024. iNaturalist Data Export December 2023 botany records. iNaturalist.org; iNaturalist.ca.
455	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
410	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
341	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre Fieldwork 2015. Atlantic Canada Conservation Data Centre, # recs.
336	Blaney, C.S.; Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
333	Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.

# recs	CITATION
324	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
315	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
302	Wildlife Division. 2021. Fraxinus nigra records assembled to define and model habitat. Nova Scotia Department of Natural Resources and Renewables.
300	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiau.ca/library/Herbarium/project/ . 582 recs.
298	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
297	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
293	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
262	Phinney, Lori. 2020. Pre- and post White-nose Syndrome bat acoustic monitoring, NS. Mersey Tobeatic Research Institute, 1279 recs.
255	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
251	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
222	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
209	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).
206	Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.
183	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
176	Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
160	Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
157	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
156	Gallop, John. 2023. Species at Risk and Species of Conservation Interest records. McCallum Environmental.
152	Hagerman, Christianne. 2022. Wisqoq and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
145	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
142	Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.
139	Munro, Marian K. Tracked lichen specimens. Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
136	Churchill, J.L. 2023. Atlantic Canada Conservation Data Centre Fieldwork 2023. Atlantic Canada Conservation Data Centre.
132	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
117	Churchill, J.L. 2022. Atlantic Canada Conservation Data Centre Fieldwork 2022. Atlantic Canada Conservation Data Centre.
116	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
114	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
114	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre, 907 recs.
114	e-Butterfly. 2016. Export of Maritimes records and photos. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
113	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
113	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
111	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
109	Brazner, J. 2016. Nova Scotia Forested Wetland Bird Surveys. Nova Scotia Department of Lands and Forestry.
105	Belliveau, A.G. 2021. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2021. E.C. Smith Herbarium.
102	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
96	Belliveau, A.G. & Churchill, J.L.; Anderson, F.; Brooks, F. 2023. Lichen Inventory of Blue Rocks, NS. E.C. Smith Herbarium.
95	Breen, A. 2019. 2019 Atlantic Whitefish observations. Coastal Action, 95 recs.
93	Birds Canada. 2023. Maritimes Swiftwatch project data for 2023. Pers. comm., 270 recs.
89	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
88	Blaney, C.S. 2020. Sean Blaney 2020 field data. Atlantic Canada Conservation Data Centre, 4407 records.
87	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
87	McNeil, J.A. 2018. Wood Turtle records, 2018. Mersey Tobeatic Research Institute, 68 recs.
87	Mersey Tobeatic Research Institute. 2023. NS Blanding's Turtle GPS Logger Data. MTRI, 87 recs.
87	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
84	Hubley, Nicole. 2022. Monarch (Danaus plexippus) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
83	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
73	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
73	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.
73	Coastal Action. 2024. SAR records from 2022. Coastal Action, 87 records.
72	Manthorne, A. 2014. Maritimes Swiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
71	Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
67	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
65	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
65	Klymko, John. 2024. Atlantic Canada Conservation Data Centre zoological fieldwork 2023. Atlantic Canada Conservation Data Centre.
64	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
64	Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.
62	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
58	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
56	Birds Canada. 2022. Maritimes Swiftwatch project data for 2022. Pers. comm., 155 records.

# recs	CITATION
56	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
55	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
54	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
52	Staicer, Cindy. 2023. 2022 SAR Bird field occurrences from the Landbirds at Risk Project, NS. Dalhousie University, 446 records.
50	Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
50	Mersey Tobeatic Research Institute. 2023. 2023 Wood Turtle Records - Volunteer Collection. Mersey Tobeatic Research Institute, 50 recs.
48	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
47	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
45	Feltham, Carter. 2022. Monarch (Danaus plexippus) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
43	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
42	Neily, T.H. & Pepper, C.; Toms, B. 2015. Nova Scotia lichen location database [as of 2015-02-15]. Mersey Tobeatic Research Institute, 1691 records.
41	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
41	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
40	Cameron, E. 2007. Canadian Gypsum Co. survey 2005-07. Dillon Consulting Ltd, 40 recs.
40	Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
39	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
39	Mersey Tobeatic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobeatic Research Institute, 72 records.
38	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
38	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
37	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
36	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
36	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre, 2318 recs.
34	Tsehtik, M.; Leblanc, M.; Creaser, T. 2020. Coastal Action: 2020 Species at Risk Data. Coastal Action, 40 records.
33	Atlantic Canada Conservation Data Centre. 2020. Cape LaHave Island observations from August 2020. Atlantic Canada Conservation Data Centre, 605 records.
33	Brooks, Fiona. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.
33	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
33	Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
32	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
32	Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.
32	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
31	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
31	Cameron, R.P. 2018. Degelia plumbea records. Nova Scotia Environment.
31	Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
29	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
29	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
28	Mersey Tobeatic Research Institute. 2023. NS Turtle Records. Mersey Tobeatic Research Institute, 214 recs.
28	Pepper, Chris. 2012. Observations of breeding Canada Warbler's along the Eastern Shore, NS. Pers. comm. to S. Blaney, Jan. 20, 28 recs.
27	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
27	Staicer, Cindy. 2023. 2022 SAR Bird ARU occurrences. Dalhousie University, 379 records.
27	Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
24	Belliveau, A.G. 2021. New Black ash site records near Kentville, NS. Acadia University, 47 records.
24	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
24	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
23	LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
23	Neily, T.H. 2013. Email communication to Sean Blaney regarding <i>Listera australis</i> observations made from 2007 to 2011 in Nova Scotia. , 50.
22	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
22	Breen, A. 2018. 2018 Atlantic Whitefish observations. Coastal Action.
22	Neily, T.H. 2006. <i>Cypripedium arietinum</i> in Hants Co. Pers. comm. to C.S. Blaney. 22 recs, 22 recs.
21	Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
21	Hill, N.M. 1994. Status report on the Long's bulrush <i>Scirpus longii</i> in Canada. Committee on the Status of Endangered Wildlife in Canada, 7 recs.
20	Brazner, John; MacKinnon, Frances. 2020. Relative conservation value of Nova Scotia's forests: forested wetlands as avian biodiversity hotspots. Canadian Journal of Forest Research, 50(12): 1307-1322. dx.doi.org/10.1139/cjfr-2020-0101.
20	Crowell, Iain & Crowell, Iain. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.
19	Chapman, C.J. 2019. Atlantic Canada Conservation Data Centre 2019 botanical fieldwork. Atlantic Canada Conservation Data Centre, 11729 recs.
19	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
19	Hall, R.A. 2001. S. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
19	Robinson, S.L. 2014. 2013 Field Data. Atlantic Canada Conservation Data Centre.
17	Anderson, Frances; Neily, Tom. 2010. A Reconnaissance Level Survey of Calciphilous Lichens in Selected Karst Topography in Nova Scotia with Notes on Incidental Bryophytes. Mersey Tobeatic Research Institute.
17	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.

# recs	CITATION
17	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
17	Neily, T.H. 2010. Erioderma pedicellatum records 2005-09. Mersey Tobiatic Research Institute, 67 recs.
17	Stewart, J.I. 2010. Peregrine Falcon Surveys in New Brunswick, 2002-09. Canadian Wildlife Service, Sackville, 58 recs.
16	McNeil, Jeffie. 2023. 2022 Turtle Records. Mersey Tobeatic Research Institute.
16	Nature Conservancy of Canada. 2022. NCC Field data for Nova Scotia. Nature Conservancy of Canada.
16	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
16	Richardson, D., Anderson, F., Cameron, R., McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (<i>Anzia colpodes</i>). COSEWIC.
16	Siemens-Worsley, Allison. 2024. iNaturalist Wood Turtle observations for New Brunswick and Nova Scotia. NatureServe Canada.
15	Basquill, S.P. 2011 vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
15	Blaney, C.S.; Mazerolle, D.M.; Oberndorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sackville NB, 13770 recs.
15	Cole Vail. 2023 Lichen Observations. C.Vail, 23 recs.
15	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
15	Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.
15	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
14	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
14	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
14	e-Butterfly. 2018. Selected Maritimes butterfly records from 2016 and 2017. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
14	Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
14	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
14	Powell, B.C. 1967. Female sexual cycles of <i>Chrysemy spicta</i> & <i>Clemmys insculpta</i> in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
13	Holder, M. 2003. Assessment and update status report on the Eastern Lilaepsis (<i>Lilaepsis chinensis</i>) in Canada. Committee on the Status of Endangered Wildlife in Canada, 16 recs.
13	Neily, T.H. 2012. 2012 Erioderma pedicellatum records in Nova Scotia.
13	Nova Scotia Nature Trust. 2014. Ladyslipper records from Saint Croix Nova Scotia, JLC Ed. Nova Scotia Nature Trust.
13	Robinson, S.L. 2015. 2014 field data.
13	Toms, Brad. 2024. MTRI lichens database. Mersey Tobeatic Research Institute, 170 records.
12	Basquill, S.P. 2012. 2012 rare vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
12	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
12	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
12	Richardson, D., Anderson, F., Cameron, R., Pepper, C., Clayden, S. 2015. Field Work Report on the Wrinkled Shingle lichen (<i>Pannaria lurida</i>). COSEWIC.
12	Skomorowski, Joanna. 2024. 2022 Nova Scotia Nature Trust SAR occurrences. Nova Scotia Nature Trust, 58 records.
11	Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
11	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
10	Bredin, K.A. 2002. NS Freshwater Mussel Fieldwork. Atlantic Canada Conservation Data Centere, 30 recs.
10	Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort (<i>Isoetes prototypus</i>). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
10	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
9	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
9	Cameron, R.P. 2005. Erioderma pedicellatum unpublished data. NS Dept of Environment, 9 recs.
9	Cameron, R.P. 2006. Erioderma pedicellatum 2006 field data. NS Dept of Environment, 9 recs.
9	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
9	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
9	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
9	Klymko, J.J.D. 2018. 2017 field data. Atlantic Canada Conservation Data Centre.
9	Mersey Tobeatic Research Institute. 2023. Monarch (<i>Danaus plexippus</i>) and Milkweed MTRI records from the 2023 Field Season. Mersey Tobeatic Research Institute.
8	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
8	Chapman, C.N. (Cody). 2020. Nova Scotia Black Ash (<i>Fraxinus nigra</i>) field observations by Confederacy of Mainland Mi'kmaq. Forestry Program, Confederacy of Mainland Mi'kmaq.
8	King, Katie; Jean, Samuel. 2021. Black ash observations near Booklyn, NS. E.C. Smith Herbarium.
8	Klymko, J. Butterfly records at the Nova Scotia Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2017.
8	McNeil, J.A. 2014. Blandings Turtle (<i>Emydoidea blandingii</i>) and Snapping Turtle (<i>Chelydra serpentina</i>) sightings, 2014. Mersey Tobeatic Research Institute.
8	McNeil, J.A. 2016. Blandings Turtle (<i>Emydoidea blandingii</i>), Eastern Ribbonsnake (<i>Thamnophis sauritus</i>), Wood Turtle (<i>Glyptemys insculpta</i>), and Snapping Turtle (<i>Chelydra serpentina</i>) sightings, 2016. Mersey Tobeatic Research Institute, 774 records.
8	Neily, T.H. & Anderson, F. 2011. Lichen observations from NRC site at Sandy Cove. , 97.
8	Phinney, Lori; Toms, Brad; et. al. 2016. Bank Swallows (<i>Riparia riparia</i>) in Nova Scotia: inventory and assessment of colonies. Merser Tobeiatc Research Institute, 25 recs.
8	Sollows, M.C.. 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
8	Webster, R.P. Atlantic Forestry Centre Insect Collection, Maritimes butterfly records. Natural Resources Canada. 2014.
8	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
7	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
7	Cameron, B. 2006. Hepatica americana Survey at Scotia Mine Site in Gays River, and Discovery of Three Yellow-listed Species. Conestoga-Rovers and Associates, (a consulting firm), october 25. 7 recs.
7	Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
7	Korol, Burke. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.

# recs	CITATION
7	MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
7	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
6	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of <i>C. insculpta</i> sightings. Acadia University, Wolfville NS, 88 recs.
6	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
6	Benjamin, L.K. 2006. <i>Cyrtopodium arietinum</i> . Pers. comm. to D. Mazerolle. 9 recs, 9 recs.
6	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
6	Blaney, C.S.; Korol, J.B.; Crowell, I. 2023. 2022 AC CDC Botany program field data. Atlantic Canada Conservation Data Centre, 5293 records.
6	Clayden, S.R. 2005. Confidential supplement to Status Report on Ghost Antler Lichen (<i>Pseudevernia cladonia</i>). Committee on the Status of Endangered Wildlife in Canada, 27 recs.
6	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
6	Gallop, John. 2021. Sheet Harbour rare lichen observations. McCallum Environmental.
6	Hall, R. 2008. Rare plant records in old fieldbook notes from Truro area. Pers. comm. to C.S. Blaney. 6 recs, 6 recs.
6	Klymko, J.J.D. 2012. Odonata specimens & observations, 2010. Atlantic Canada Conservation Data Centre, 425 recs.
6	Matthew Smith. 2010. Field trip report from Avon Caving Club outlining the discovery of <i>Cyrtopodium arietinum</i> and <i>Hepatica nobilis</i> populations. Public Works and Government Services Canada.
6	McNeil, Jeffie. 2023. Ribbonsnake records from 2022. Mersey Tobeatic Research Institute.
6	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
6	Nova Scotia Nature Trust. 2022. Ram's Head Lady Slipper observations from 2015 and 2019. , 6 records.
6	Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
5	Brad Toms. 2024. <i>Erioderma mollissimum</i> records. Mersey Tobeatic Research Institute, 57 recs.
5	Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.
5	Carter, Jeff; Churchill, J.; Churchill, I.; Churchill, L. 2020. Bank Swallow colony Scots Bay, NS. Atlantic Canada Conservation Data Centre.
5	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
5	Holder, M.L.; Kingsley, A.L. 2000. Kingsley and Holder observations from 2000 field work.
5	McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute.
5	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
5	Porter, K. 2013. 2013 rare and non-rare vascular plant field data. St. Mary's University, 57 recs.
5	Towell, C. 2014. 2014 Northern Goshawk and Common Nighthawk email reports, NS. NS Department of Natural Resources.
5	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
4	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
4	Blaney, C.S.; Mazerolle, D.M. 2009. Fieldwork 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
4	Cameron, R.P. 2009. Nova Scotia nonvascular plant observations, 1995-2007. Nova Scotia Dept Natural Resources, 27 recs.
4	Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
4	Cody, W.J. 2003. Nova Scotia specimens of <i>Equisetum pratense</i> at the DAO herbarium in Ottawa. , Pers. comm. to C.S. Blaney. 4 recs.
4	Forsythe, B. 2006. <i>Cyrtopodium arietinum</i> at Meadow Pond, Hants Co. Pers. comm. to C.S. Blaney. 4 recs, 4 recs.
4	Hughes, Cory. 2020. Atlantic Forestry Centre <i>Coccinella transversoguttata</i> collections. Canadian Forest Service, Atlantic Forestry Centre.
4	Klymko, J. Dataset of butterfly records at the New Brunswick Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2016.
4	Mills, Pamela. 2007. <i>Iva frutescens</i> records. Nova Scotia Dept of Natural Resources, Wildlife Div. Pers. comm. to S. Basquill, 4 recs.
4	Newell, R. & Neily, T.; Toms, B.; Proulx, G. et al. 2011. NCC Properties Fieldwork in NS: August-September 2010. Nature Conservancy Canada, 106 recs.
4	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
4	Pohl, G.P. Specimen data from Northern Forest Research Centre. Northern Forest Research Centre. 2022.
4	Sabine, D.L. <i>Bombus terricola</i> specimens in Dwayne Sabine's personal collection. pers. comm. 2022.
3	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
3	Basquill, S.P. 2009. 2009 field observations. Nova Scotia Dept of Natural Resources.
3	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
3	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
3	Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.
3	Chapman, Cody. Unreported Species at Risk Records across Nova Scotia. Chapman, Cody, 5 records.
3	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
3	Doubt, J. 2013. Email to Sean Blaney with Nova Scotia records of <i>Fissidens exilis</i> at Canadian Museum of Nature. pers. comm., 3 records.
3	Haughian, S.R. 2018. Description of <i>Fuscopannaria leucosticta</i> field work in 2017. New Brunswick Museum, 314 recs.
3	Hill, N. and D. Patriquin. 2013. 2013 rare plant observations in Williams Lake Backlands area. Fern Hill Institute of Plant Conservation, Berwick, Nova Scotia, 3 records.
3	McNeil, Jeffie. 2022. Ribbonsnake records, 2021. Mersey Tobeatic Research Institute.
3	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J.; ONHIC, 487 recs.
3	Rock, J. 2020. Atlantic Canada Piping Plover field surveys: Nesting pairs by beach, 2018-2020. Environment and Climate Change Canada - Canadian Wildlife Service, 216 records.
3	Sabine, M. 2016. NB DNR staff incidental Black Ash observations. New Brunswick Department of Natural Resources.
3	Walker, J. 2017. Bird inventories at French River, NS, and Memramcook, NB, for Nature Conservancy of Canada. Pers. comm. to AC CDC.
2	Amiro, Peter G. 1998. Atlantic Salmon: Inner Bay of Fundy SFA 22 & part of SFA 23. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-12. 4 recs.
2	Bagnell, B.A. 2001. New Brunswick Bryophyte Occurrences. B&B Botanical, Sussex, 478 recs.
2	Basquill, S.P. 2011. Field observations & specimen collections, 2010. Nova Scotia Department of Natural Resources, Pers. comm. , 8 Recs.
2	Blaney, C.S. 2019. Sean Blaney 2019 field data. Atlantic Canada Conservation Data Centre, 4407 records.

# recs	CITATION
2	Bradford, R. 2004. <i>Coregonus huntsmani</i> locations. Dept of Fisheries & Oceans, Atlantic Region, Pers. comm. to K. Bredin. 4 recs.
2	Cameron-MacMillan, Maureen. 2020. Northern Goshawk Nests in Eastern Nova Scotia, as of November, 2020. Nova Scotia Department of Lands and Forestry.
2	Cameron, B. 2005. <i>C. palmicola</i> , <i>E. pedicellatum</i> records from Sixth Lake. Pers. comm. to C.S. Blaney. 3 recs, 3 recs.
2	Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
2	Canadian National Collection of Insects Arachnids, and Nematodes <i>Bombus</i> specimen database export. Government of Canada. 2022.
2	Frittaion, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
2	Haughian, Sean; Anderson, Frances. 2019. Blue Mountain, Birch Cove Lakes Wilderness Area. Nova Scotia Museum, 39 recs.
2	Heron, J. 2022. <i>Bombus</i> records communicated to J. Klymko over email in autumn 2022. Pers. comm.
2	Klymko, J.J.D. 2011. Insect fieldwork & submissions, 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 742 recs.
2	LaPaix, R.; Parker, M. 2013. email to Sean Blaney regarding <i>Listera australis</i> observations near Kearney Lake. East Coast Aquatics, 2.
2	Lock, A.R., Brown, R.G.B. & Gerriets, S.H. 1994. Gazetteer of Marine Birds in Atlantic Canada. Canadian Wildlife Service, Atlantic Region, 137 pp.
2	Mazerolle, David. 2021. Botanical fieldwork 2019-20200. Parks Canada.
2	Munro, M. 2003. <i>Caulophyllum thalictroides</i> & <i>Carex hirtifolia</i> at Herbert River, Brooklyn, NS. , Pers. comm. to C.S. Blaney. 2 recs.
2	Munro, M. 2003. <i>Dirca palustris</i> & <i>Hepatica nobilis</i> var. <i>obtusata</i> at Cogmagun River, NS. , Pers. comm. to C.S. Blaney . 2 recs.
2	Nature Conservancy of Canada. 2023. NCC Nova Scotia Data.
2	Neily, T.H.; Smith, C.; Whitman, E. 2011. NCC Logging Lake (Halifax Co. NS) properties baseline survey data. Nature Conservancy of Canada, 2 recs.
2	Newell, R. E., MacKinnon, C. M. & Kennedy, A. C. 2006. Botanical Survey of Boot Island National Wildlife Area, Nova Scotia, 2004. Canadian Wildlife Service, Atlantic Region, Technical Report Series Number 450. 3 recs.
2	Newell, R.E. 2006. Rare plant observations in Digby Neck. Pers. comm. to S. Blaney, 6 recs.
2	O'Neil, S. 1998. Atlantic Salmon: Eastern Shore Nova Scotia SFA 20. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-10. 4 recs.
2	Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
2	Porter, Caitlin. 2021. Field data for 2020 in various locations across the Maritimes. Atlantic Canada Conservation Data Centre, 3977 records.
2	Shafer, A.B.A., D.T. Stewart. 2006. A Disjunct Population of <i>Sorex dispar</i> (Long-Tailed Shrew) in Nova Scotia. <i>Northeastern Naturalist</i> , 13(4): 603-608.
2	Standley, L.A. 2002. <i>Carex haydenii</i> in Nova Scotia. , Pers. comm. to C.S. Blaney. 4 recs.
2	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
1	Amirault, D.L. 2003. 2003 Peregrine Falcon Survey. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
1	Amirault, D.L. 2005. 2005 Peregrine Falcon Survey. Canadian Wildlife Service, Sackville, unpublished data. 27 recs.
1	Amiro, Peter G. 1998. Atlantic Salmon: Southern Nova Scotia SFA 21. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-11. 1 rec.
1	Anderson, Frances. 2022. <i>Heterodermia squamulosa</i> record near Lunenburg, NS. pers. comm.
1	Anon. Dataset of butterfly records for the Maritime provinces. Museum of Comparative Zoology, Harvard University. 2017.
1	Austin-Smith, P. 2014. 2014 Common Nighthawk personal communication report, NS. NS Department of Natural Resources.
1	Basquill, S. P. 2008. Nova Scotia Dept of Natural Resources.
1	Basquill, S.P. 2004. <i>C. americana</i> and <i>Sedum</i> sp records, 2002. Pers. comm. to C.S. Blaney. 2 recs, 2 recs.
1	Basquill, S.P. 2012. 2012 Bryophyte specimen data. Nova Scotia Department of Natural Resources, 37 recs.
1	Basquill, S.P.; Quigley, E. 2006. New <i>Minuartia groenlandica</i> record for NS. Pers. comm. to C.S. Blaney, Oct 6, 1 rec.
1	Basset, I.J. & Crompton, C.W. 1978. The Genus <i>Suaeda</i> (Chenopodiaceae) in Canada. <i>Canadian Journal of Botany</i> , 56: 581-591.
1	Belliveau, A. 2012. 2012 Atlantic Coastal Plain Flora observations. Mersey Tobeatic Research Institute, 1543.
1	Belliveau, A.G. E.C. Smith Herbarium Specimen Database 2019. E.C. Smith Herbarium, Acadia University. 2019.
1	Benjamin, L.K. 2003. <i>Cypripedium arietinum</i> in Cogmagun River NS. Pers. comm. to S. Blaney, 1 rec.
1	Blaney, C.S. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
1	Brach, A.R. 2019. Correspondence to Sean Blaney regarding <i>Calamagrostis cinnoides</i> specimen from Halifax NS. pers. comm., Harvard University Herbaria, 1 record.
1	Breen, A. 2017. 2017 Atlantic Whitefish observation. Coastal Action.
1	Brooks, Fiona. <i>Erioderma mollissimum</i> records in Lunenburg County, NS. Pers. comm., 2 records.
1	Bruce, J. 2014. 2014 Wood Turtle email report, Nine Mile River, NS. NS Department of Natural Resources.
1	Clayden, S.R. 2006. <i>Pseudevernia cladonia</i> records. NB Museum. Pers. comm. to S. Blaney, Dec, 4 recs.
1	Clayden, S.R. 2020. Email to Sean Blaney regarding <i>Pilophorus cereus</i> and <i>P. fibula</i> at Fidele Lake area, Charlotte County, NB. pers. comm., 2 records.
1	COSEWIC (Committee on the Status of Wildlife in Canada). 2013. COSEWIC Assessment and Status Report on the Eastern Waterfawn <i>Peltigera hydrothyria</i> in Canada. COSEWIC, 46 pp.
1	Creaser, Alissa & Belliveau, Alain <i>Bombus</i> specimens collected in Wolfville, Nova Scotia, in July 2022. E.C. Smith Herbarium. 2022.
1	Crowell, A. 2004. <i>Cypripedium arietinum</i> in Weir Brook, Hants Co. Pers. comm. to S. Blaney, 1 rec.
1	Crowell, M. 2013. email to Sean Blaney regarding <i>Listera australis</i> at Bear Head and Mill Cove Canadian Forces Station. Jacques Whitford Environmental Ltd., 2.
1	deGooyer, K. 2019. Snapping Turtle and Eastern White Cedar observations. Nova Scotia Environment.
1	Docherty, Joanne. 2022. Phone call to John Klymko about <i>Danaus plexippus</i> observation in Nova Scotia. Personal communication.
1	Eastman, A. 2019. Snapping Turtle observation at Brookfield, Colchester Co. NS. Halifax Field Naturalists Nova Scotia Nature Archive Facebook Page, 1 record.
1	Gilhen, J., Jones, A., McNeil, J., Tanner, A.W. 2012. A Significant Range Extension for the Eastern Ribbonsnake, <i>Thamnophis sauritus</i> , in Nova Scotia, Canada. <i>The Canadian Field-Naturalist</i> , 126(3): 231-233.
1	Golder Associates Ltd. 2021. Black Ash location from Goff's Quarry Expansion Environment Assessment, 2017. Golder Associates Ltd., 1 record.
1	Hill, N. 2023. Observation record of <i>Halenia deflexa</i> on the headland barrens W of Prospect, Halifax Co. pers. comm., 1 record.
1	Hill, N.M. 2013. email communications to Sean Blaney and David Mazerolle regarding the discovery of <i>Listera australis</i> populations at Black River Lake and Middlewood. , 2.
1	Jacques Whitford Ltd. 2003. Cananda Lily location. Pers. Comm. to S. Blaney. 2pp, 1 rec, 1 rec.
1	Kariyawansa, Rohan. 2023. Wood Turtle sighting near Saint Andrews Anglican church in Timberlea. pers. comm.

# recs	CITATION
1	Klymko, J.J.D. 2010. Miscellaneous observations reported to ACCDC (zoology). Pers. comm. from various persons, 3 recs.
1	Klymko, J.J.D. 2012. Insect field work & submissions. Atlantic Canada Conservation Data Centre, 852 recs.
1	Lautenschlager, R.A. 2010. Miscellaneous observations reported to ACCDC (zoology). Pers. comm. from various persons, 2 recs.
1	MacKinnon, D.; Wright, P.; Smith, D. 2014. 2014 Common Tern email report, Eastern Passage, NS. NS Department of Environment.
1	Majka, C.G. & McCorquodale, D.B. 2006. The Coccinellidae (Coleoptera) of the Maritime Provinces of Canada: new records, biogeographic notes, and conservation concerns. <i>Zootaxa</i> . <i>Zootaxa</i> , 1154: 49–68. 7 recs.
1	McAlpine, D.F. 1998. NBM Science Collections databases to 1998. New Brunswick Museum, Saint John NB, 241 recs.
1	McKendry, Karen. 2016. Rare species observations, 2016. Nova Scotia Nature Trust, 19 recs.
1	McLean, K. 2019. Species At Risk observations. Clean Annapolis River Project.
1	NatureServe Canada. 2018. iNaturalist Butterfly Data Export . iNaturalist.org and iNaturalist.ca.
1	Neily, P.D. Plant Specimens. Nova Scotia Dept Natural Resources, Truro. 2006.
1	Neily, T.H. & Pepper, C.; Toms, B. 2019. Boreal Felt Lichen Observation, April 2019. Mersey Tobeatic Research Institute.
1	Neily, T.H. 2004. <i>Hepatica nobilis</i> var. <i>obtusa</i> record for Falmouth NS. Pers. comm. to C.S. Blaney, 1 rec.
1	Newell, R.E. 2004. <i>Hepatica nobilis</i> var. <i>obtusa</i> record. Pers. comm. to S. Blaney, 1 rec.
1	Payzant, P. 2018. <i>Satyr Comma</i> record from Bible Hill, NS. https://novascotiabutterflies.ca .
1	Phinney, L. 2019. Little Brown Myotis maternal colony counts and birdSAR, 2019. Mersey Tobeatic Research Institute.
1	Scott, F.W. 1988. Status Report on the Southern Flying Squirrel (<i>Glaucomys volans</i>) in Canada. Committee on the Status of Endangered Wildlife in Canada, 2 recs.
1	Skevington, Jeffrey H. 2020. Syrphid records used for the Field Guide to the Flower Flies of Northeastern North America. Canadian National Collection of Insects.
1	Sollows, M.C.. 2009. NBM Science Collections databases: Coccinellid & Cerambycid Beetles. New Brunswick Museum, Saint John NB, download Feb. 2009, 569 recs.
1	Sollows, M.C. 2008. NBM Science Collections databases: herpetiles. New Brunswick Museum, Saint John NB, download Jan. 2008, 8636 recs.
1	Sollows, M.C. 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada).
1	Stewart, P. 2013. email to Sean Blaney regarding the discovery of a <i>Listera australis</i> population at Blockhouse. EnviroSphere Consultants Limited, 1.
1	Toms, Brad. 2022. Non-Lichen Observations from Lichen SMP and NCC Property Searches. Mersey Tobeatic Research Institute.
1	Williams, M. Cape Breton University Digital Herbarium. Cape Breton University Digital Herbarium. 2013.