



Figure 7 a, b. Figure 7a on the left is a recently drained beaver pond with a visible beaver lodge at center left in the photo. Figure 7b is a vernal pool located within the clearcut portion of the study area.

lodge is visible at center left within the photo. Evidence of recent active beaver (*Castor canadensis*) activity (fresh debarked sticks) was found downstream from the culvert at waypoint 122 (Figure 1).

A single vernal pool was located within the recently clearcut portion of the property (Figure 1, waypoint “Vernal Pool”). These are potentially important habitats for invertebrates, amphibians and reptiles.

In addition to the beaver flowage there were at least two treed swamps in, or adjacent to the study area at photo waypoints “Talus Slope” and 145. The former is very near the boundary line; however, ground disturbance likely associated with forest harvesting would suggest that this swamp is within the study area. Photo waypoint 145 (Figure 8 a) is a mixed-wood swamp principally composed of alder (*Alnus* sp.), red maple, tamarack/eastern larch (*Larix laricina*), black spruce (*Picea mariana*) and white pine with several game trails, likely created by white-tail deer and used by a variety of mid to large size mammals such as black bear, coyotes, red fox and raccoons. Figure 8 b (photo waypoint 147) is an ericaceous and shrub bog that also displayed several mammal trails such as those commonly made by mid to large size mammals.



Figures 8 a, b. A mixed-wood swamp on the left (a) and a shrub bog on the right (b).

Riparian habitats were found in the study area at photo waypoints 139 and 140 (Figure 1). Drainage through the beaver flowage provided a sufficient quantity of water at this time of year to maintain a 1-2 m wide channel approximately 30 cm deep (Figure 9 a, b). Fish were observed below the culvert where the stream crossed under the gravel surface road leading to the quarry. Woody riparian vegetation was primarily alder with scattered red maple.



Figures 9 a, b. Photos of stream and riparian vegetation. Figure 9 a (left; photo waypoint 139) shows the downstream end of the culvert that drains the beaver flowage, and the stream flowing northward toward Figure 9b (right; photo waypoint 140). Fish, fresh beaver activity, and green frogs were present at these locations during the survey.

The presence of wetlands and watercourses is generally favorable for aquatic furbearers as well. The watercourse was large enough to be used as a travel corridor for river otter (*Lontra canadensis*) and mink (*Neovison vison*). Although technically not in the study area, there is a wetland- stillwater complex immediately north of the study area that would provide habitat for otter, muskrat, mink and short-tailed weasel (*Mustela ermineae*) (Figure 1).

Habitat conditions were also present for early seral small mammals that prefer edge habitat such as deer mice (*Peromyscus maniculatus*), and eastern chipmunk (*Tamias striatus*). Snowshoe hare

and red squirrels were common throughout the study area. The lack of abundant coarse woody material in intact stands and late seral conditions would suggest that red-backed voles (*Myodes gapperi*) and woodland jumping mice (*Napaeozapus insignis*) are not present, or not present in significant numbers. Insectivores such as shrews (*Blarina* sp., *Sorex* spp.) are most common when there is complex ground cover and coarse woody material, which was not generally present.

In addition to forested and aquatic habitats, exposed and weathered bedrock appeared to be the source of numerous talus slopes, or exposed loose rocky slopes. These geological features could potentially provide shelter for small mammals and overwintering, basking, and foraging sites for reptiles such as snakes (Figure 10; Photo waypoint “Talus Slope”).



Figure 10. Talus slope with fractured bedrock that may potentially provide cover for small mammals and herpetofauna (Figure 1 photo waypoint “talus slope”).

3.2 Observations

A list of mammal and herpetofauna species directly or indirectly observed during surveys on 17-18 May 2022 is presented in Table 3. Individual predetermined transects were not used. All observations were made during random walk-over surveys designed to traverse all representative habitats and conditions found in the study area.

Species Group	Common Name	Scientific Name	Observation Type	Comments
Mammals	White-tail deer	<i>Odocoileus virginianis</i>	Scat, trails	Common throughout the study area Found in stands with mature conifer
	Snowshoe hare	<i>Lepus americanus</i>	Scat	
	Red squirrel	<i>Tamiasciurus hudsonicus</i>	Seed middens	
	Eastern coyote	<i>Canis latrans</i>	Scat, tracks	
	American mink	<i>Neovison vison</i>	Tracks	
	Beaver	<i>Castor canadensis</i>	Foraging sign	
Herpetofauna	Northern spring peeper	<i>Pseudacris crucifer</i>	Sighting, calls	

	Pickereel frog	<i>Lithobates palustris</i>	Calls	
	Green frog	<i>Rana clamitans</i>	Calls	

Table 3. Mammal and herpetofauna species identified in the study area during transect surveys on 17-18 May 2022 at Colpton.

Common Name	Scientific Name	Observation Type
Northern parula	<i>Setophaga americana</i>	Sighting
Dark-eyed junco	<i>Junco hyemalis</i>	Sighting
Downy woodpecker	<i>Picoides pubescens</i>	Sighting
Black-capped chickadee	<i>Poecile atricapillus</i>	Sighting, call
Mourning dove	<i>Zenaida macroura</i>	Call
Saw-whet owl	<i>Aegolius acadicus</i>	Call

Table 4. Incidental avian observations made during survey of Colpton study area on 17-18 May 2022.

3.2.1 Bats

An acoustic bat survey on the evening of 17 May 2022 between 2030 and 2130 hours did not reveal the presence of any bats. The survey was conducted from a single location at the culvert where the stream from the beaver flowed under the gravel road (Figure 1, waypoint “Pickereel Frog”). Survey conditions were acceptable with clear skies, 16°C, and only a light wind.

4.0 Additional Considerations

By their nature, mammals and amphibians tend to be nocturnal and secretive, and therefore, less conspicuous. Consequently, their presence is often indicated by indirect sign (scat, tracks, calls, prey remains etc.) or inferred by habitat availability. Based on the type of habitats present at the study site there is likely to be a broad range of more common species present. Evidence of large mammals such as white-tail deer was found, and it is likely that black bear use portions of the study area as part of their home ranges. Although moose sign was not observed there has been evidence of moose within 11 km of the study area. Moose have a large home range that encompasses mature and regenerating forest, and wetland habitats. The study area has a variety of wetland and forest types that could support moose so it is possible that the study area could form a portion of moose home range.

Mid-sized forest dwelling mammals such as American marten (*Martes americana*) and fisher (*Pekania pennanti*) generally prefer mature and late seral forests with large diameter trees and abundant coarse woody material. There was little evidence of these habitat elements on the study site. Both fisher and marten are present in western Nova Scotia but have not been documented by the AC CDC within 34 and 26 km respectively of the study site. More common carnivores such

as eastern coyote, red fox, and bobcat (*Lynx rufus*) are present or likely present based on habitat types and prey availability. Physical evidence of coyote (scat), and mink (tracks, Figure 11) was observed.

Species at risk small mammals such as bats were not found but maybe present.

Given the proximity of SAR or SCC herptiles such as Eastern ribbonsnake and Blanding's turtle (≤ 1.0 km) from the center of the study there is a reasonable probability that both species are present either in or very close to the study area. Ribbonsnakes have a low detectability and have been found in a variety of wetland types (NSDNRR 2020 a). Gilhen (1984) reported ribbonsnakes at a pond in Colpton, Lunenburg County in 1978. He further described suitable habitat as vegetated margins of ponds and lakes, or grassy margins along streams. The study area has both wetlands (swamps, marshes) and vegetated stream banks which suggests the potential for habitat and additional investigation.

Blanding's turtle can occupy similar habitats as ribbonsnakes. Important habitat includes shallow vegetated water bodies, slow moving streams, and wetlands. Blanding's turtle will also travel overland through forest stands, and use watercourses as travel ways. These habitat features can be found either in, or immediately adjacent to the study area; therefore, additional directed surveys for this species may be prudent.

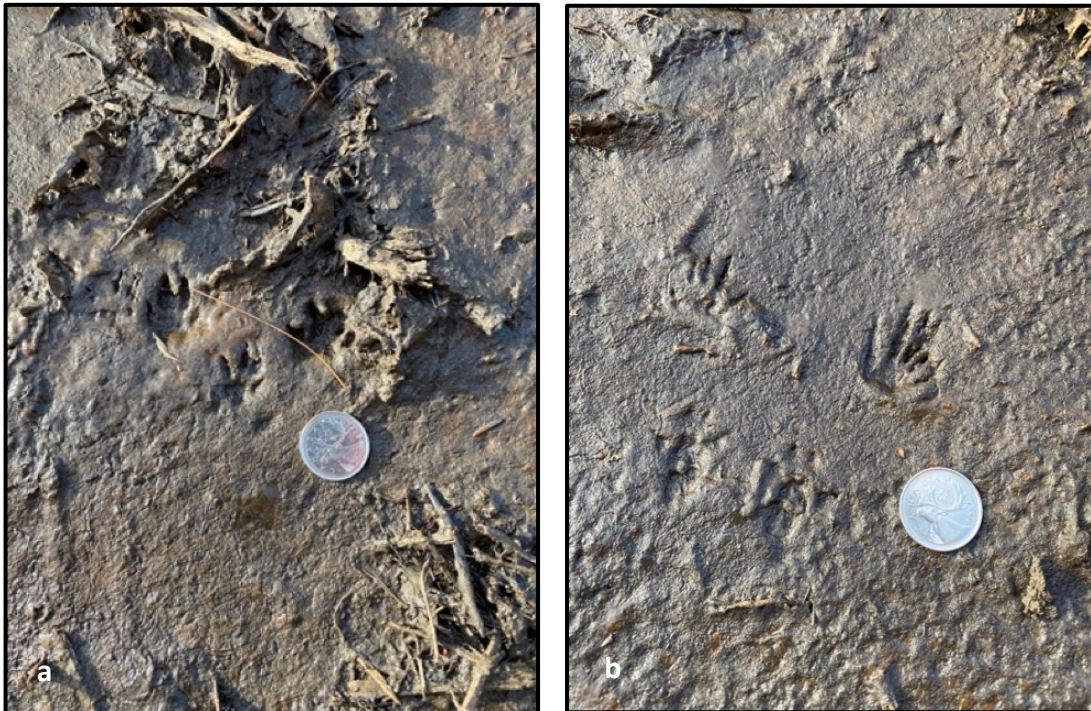


Figure 11 a, b. Photographs of probable mink tracks in mud taken near photo waypoint 124 in Figure 1.

5.0 References

Gilhen, J. 1984. Amphibians and Reptiles of Nova Scotia. Nova Scotia Museum of Natural History. Halifax, NS. 162 pp.

Nova Scotia Department of Natural Resources and Renewables. 2021. Recovery Plan for the Moose (*Alces alces Americana*) in Mainland Nova Scotia. Nova Scotia Endangered Species Act Recovery Plan Series. 96pp.

Nova Scotia Department of Lands and Forestry. 2020 a. Recovery Plan for the Eastern Ribbonsnake (*Thamnophis sauritus*) in Nova Scotia [Final]. Nova Scotia Endangered Species Act Recovery Plan Series

Nova Scotia Department of Lands and Forestry. 2020 b. Recovery Plan for the Blanding's turtle (*Emydoidea blandingii*) in Nova Scotia [Final]. Nova Scotia Endangered Species Act Recovery Plan Series.

Nova Scotia Department of Lands and Forestry. 2020 c. Recovery Plan for Tri-colored bat (*Perimyotis subflavus*) in Nova Scotia [Final]. Nova Scotia Endangered Species Act Recovery Plan Series.

APPENDIX D

ATLANTIC CANADA CONSERVATION DATA CENTRE REPORT

DATA REPORT 7253: Colpton Quarry, NS

Prepared 27 April 2022

by J. Churchill, Data Manager

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Map 1. A 100 km buffer around the study area

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:

Filename

ColptonQuarrNS_7253ob.xls

ColptonQuarrNS_7253ob100km.xls

ColptonQuarrNS_7253msa.xls

Contents

Rare or legally-protected Flora and Fauna in your study area

A list of Rare and legally protected Flora and Fauna within 100 km of your study area

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

James Churchill
Conservation Data Analyst / Field Biologist
(902) 679-6146
james.churchill@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

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Eastern: Maureen Cameron-MacMillan
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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

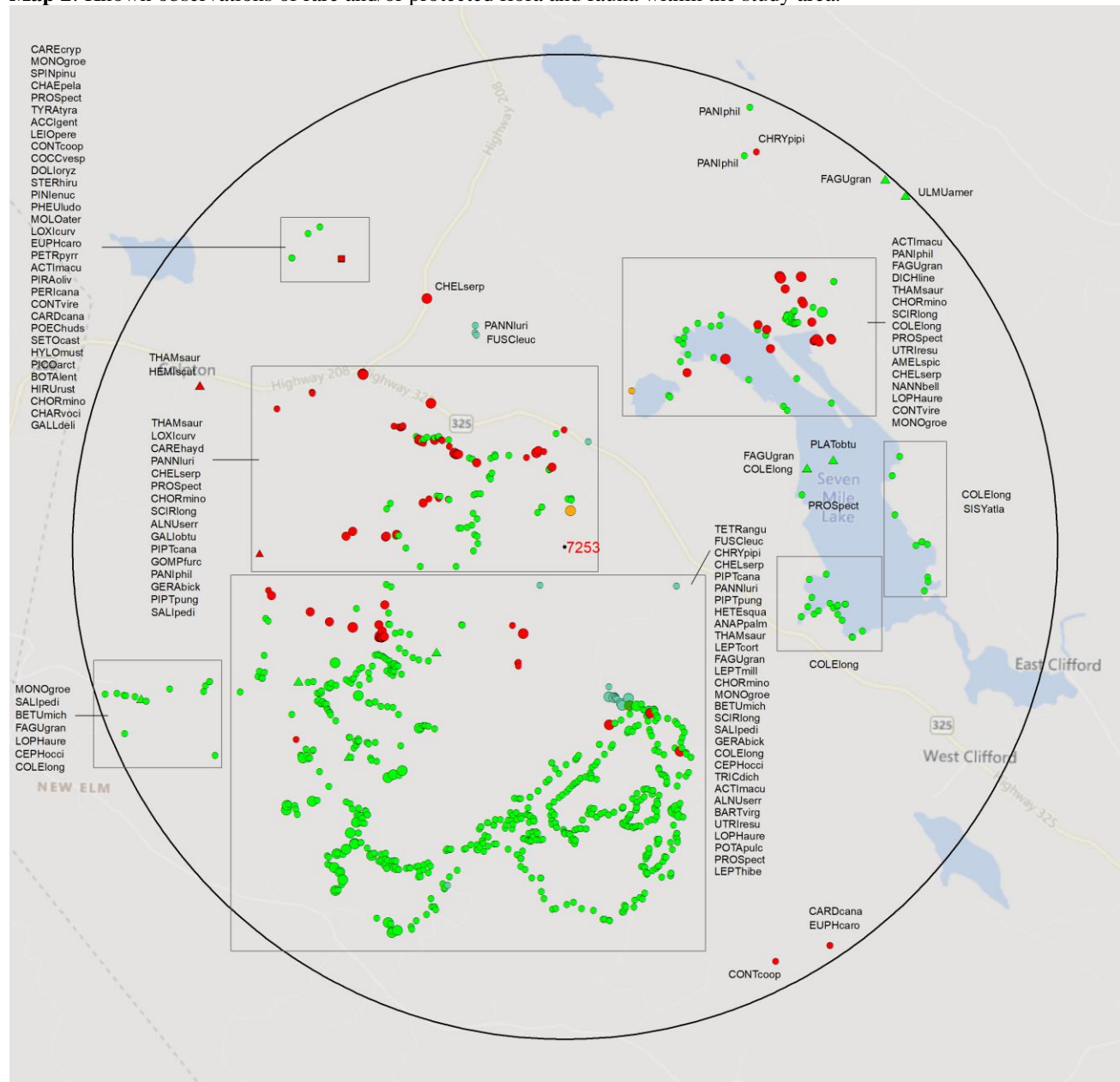
2.1 FLORA

The study area contains 805 records of 26 vascular, 19 records of 8 nonvascular flora (Map 2 and attached: *ob.xls).

2.2 FAUNA

The study area contains 162 records of 33 vertebrate, 2 records of 2 invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

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



- RESOLUTION**
- 4.7 within 50s of kilometers
 - 4.0 within 10s of kilometers
 - 3.7 within 5s of kilometers
 - △ 3.0 within kilometers
 - △ 2.7 within 500s of meters
 - ◇ 2.0 within 100s of meters
 - ◇ 1.7 within 10s of meters

- HIGHER TAXON**
- vertebrate fauna
 - invertebrate fauna
 - vascular flora
 - nonvascular flora

3.0 SPECIAL AREAS

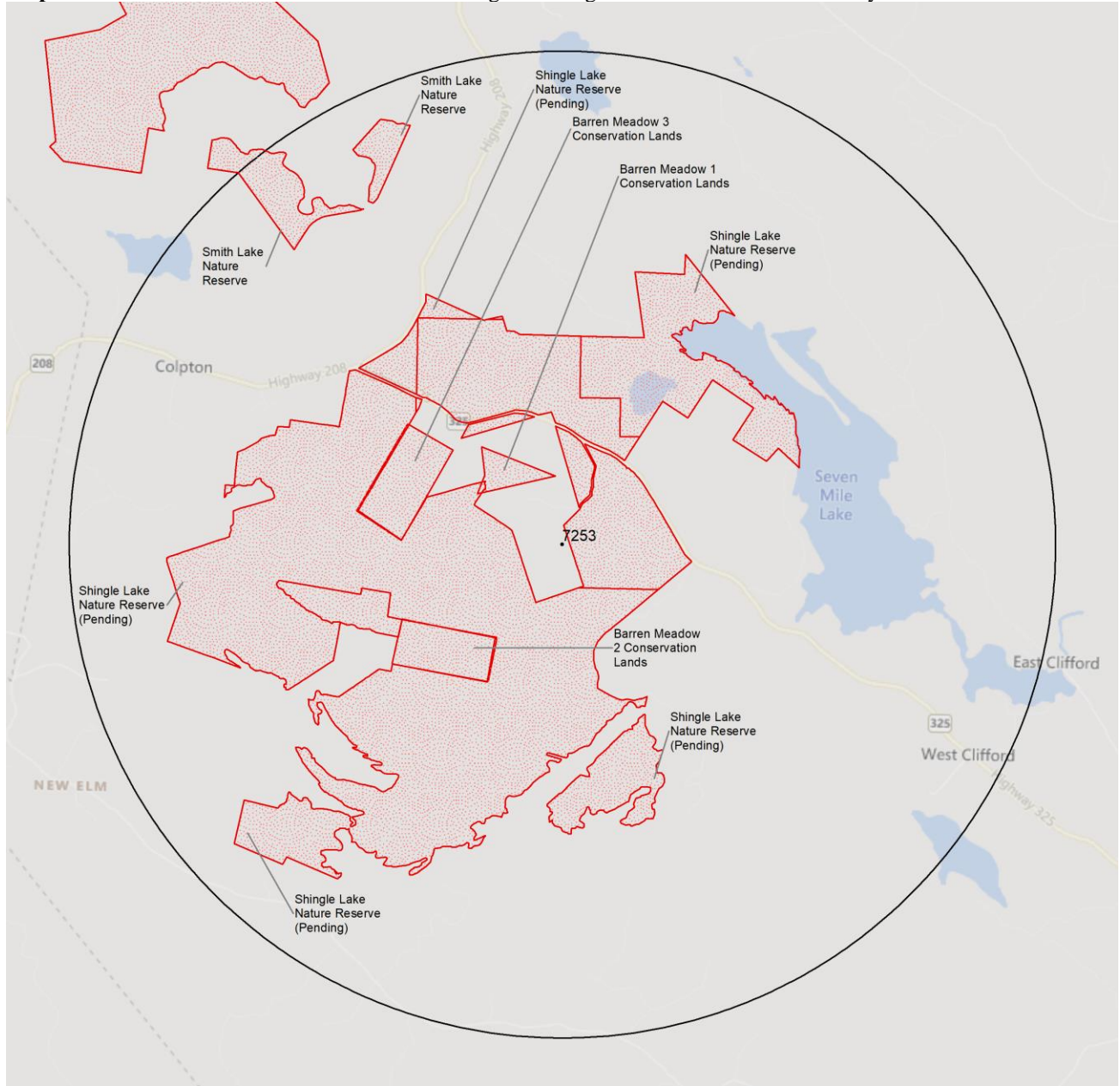
3.1 MANAGED AREAS

The GIS scan identified 7 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>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	4	1.1 \pm 0.0
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	4	1.2 \pm 0.0
N	<i>Leptogium hibernicum</i>	Hibernia Jellyskin Lichen				S1	1	3.6 \pm 0.0
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	1	0.5 \pm 0.0
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen				S3	4	1.6 \pm 0.0
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	2	1.7 \pm 0.0
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	1	1.6 \pm 0.0
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	2	1.6 \pm 0.0
P	<i>Lophiola aurea</i>	Goldencrest	Special Concern	Special Concern	Vulnerable	S2	418	1.7 \pm 0.0
P	<i>Scirpus longii</i>	Long's Bulrush	Special Concern		Vulnerable	S3	19	0.8 \pm 0.0
P	<i>Trichostema dichotomum</i>	Forked Bluecurls				S1	6	2.3 \pm 0.0
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	2	1.2 \pm 0.0
P	<i>Piptatheropsis pungens</i>	Slender Ricegrass				S2	5	1.1 \pm 0.0
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2S3	1	0.5 \pm 0.0
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	2	2.9 \pm 0.0
P	<i>Alnus serrulata</i>	Smooth Alder				S3	3	0.5 \pm 0.0
P	<i>Betula michauxii</i>	Michaux's Dwarf Birch				S3	36	1.9 \pm 0.0
P	<i>Mononeuria groenlandica</i>	Greenland Stitchwort				S3	54	1.3 \pm 0.0
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill				S3	5	0.4 \pm 0.0
P	<i>Utricularia resupinata</i>	Inverted Bladderwort				S3	2	2.9 \pm 0.0
P	<i>Cephalanthus occidentalis</i>	Common Buttonbush				S3	9	2.9 \pm 0.0
P	<i>Salix pedicellaris</i>	Bog Willow				S3	56	0.5 \pm 0.0
P	<i>Carex cryptolepis</i>	Hidden-scaled Sedge				S3	1	4.0 \pm 0.0
P	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass				S3	1	3.8 \pm 0.0
P	<i>Piptatheropsis canadensis</i>	Canada Ricegrass				S3	9	1.5 \pm 0.0
P	<i>Fagus grandifolia</i>	American Beech				S3S4	6	2.6 \pm 0.0
P	<i>Bartonia virginica</i>	Yellow Bartonia				S3S4	1	2.9 \pm 0.0
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed				S3S4	9	1.7 \pm 0.0
P	<i>Amelanchier spicata</i>	Running Serviceberry				S3S4	2	1.9 \pm 0.0
P	<i>Ulmus americana</i>	White Elm				S3S4	1	5.0 \pm 1.0
P	<i>Sisyrinchium atlanticum</i>	Eastern Blue-Eyed-Grass				S3S4	1	3.6 \pm 0.0
P	<i>Platanthera obtusata</i>	Blunt-leaved Orchid				S3S4	1	2.9 \pm 2.0
P	<i>Coleataenia longifolia</i>	Long-leaved Panicgrass				S3S4	151	1.8 \pm 0.0
P	<i>Panicum philadelphicum</i>	Philadelphia Panicgrass				S3S4	4	0.5 \pm 0.0

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Thamnophis saurita</i>	Eastern Ribbonsnake	Threatened	Threatened	Threatened	S2S3	89	1.0 \pm 0.0
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	1	3.7 \pm 7.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened	Threatened	Vulnerable	S3B	2	3.7 \pm 7.0
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	1	3.7 \pm 7.0
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	2	3.7 \pm 7.0
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	9	1.0 \pm 0.0
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	4	3.7 \pm 7.0

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	3	3.7 ± 7.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Threatened	Threatened	S3B	4	0.8 ± 0.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B	4	3.7 ± 7.0
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	3	3.7 ± 7.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	4	2.2 ± 0.0
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	2	1.0 ± 0.0
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	1	4.1 ± 1.0
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	1	3.7 ± 7.0
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	1	3.7 ± 7.0
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	1	3.7 ± 7.0
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	1	3.7 ± 7.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	3	3.7 ± 7.0
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	2	3.7 ± 7.0
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	2	3.7 ± 7.0
A	<i>Spinus pinus</i>	Pine Siskin				S3	1	3.7 ± 7.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B	1	3.7 ± 7.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	1	3.7 ± 7.0
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	1	3.7 ± 7.0
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	4	3.7 ± 7.0
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	1	3.7 ± 7.0
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	1	3.7 ± 7.0
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	2	1.2 ± 0.0
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	1	3.7 ± 7.0
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	1	3.7 ± 7.0
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	4	3.4 ± 0.0
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	4	3.7 ± 7.0
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	1	0.4 ± 0.0
I	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	1	1.7 ± 0.0

4.3 LOCATION SENSITIVE SPECIES

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

Nova Scotia

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

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

4.4 SOURCE BIBLIOGRAPHY

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

# recs	CITATION
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3	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
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5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 49412 records of 144 vertebrate and 1142 records of 56 invertebrate fauna; 17728 records of 288 vascular, 5844 records of 200 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	128	13.1 \pm 1.0	NS
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	770	3.8 \pm 0.0	NS
A	<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	Endangered	Endangered	S1	102	3.8 \pm 0.0	NS
A	<i>Perimyotis subflavus</i>	Tricolored Bat	Endangered	Endangered	Endangered	S1	205	6.8 \pm 0.0	NS
A	<i>Emydoidea blandingii</i>	Blanding's Turtle	Endangered	Endangered	Endangered	S1	10049	0.7 \pm 0.0	NS
A	<i>Salmo salar pop. 1</i>	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	22	49.5 \pm 0.0	NS
A	<i>Salmo salar pop. 6</i>	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	21	13.1 \pm 0.0	NS
A	<i>Eubalaena glacialis</i>	North Atlantic Right Whale	Endangered	Endangered		S1	1	75.8 \pm 50.0	NS
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	1624	26.9 \pm 0.0	NS
A	<i>Sterna dougallii</i>	Roseate Tern	Endangered	Endangered	Endangered	S1B	64	36.4 \pm 0.0	NS
A	<i>Dermochelys coriacea pop. 2</i>	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	4	32.7 \pm 1.0	NS
A	<i>Morone saxatilis pop. 2</i>	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	4	58.5 \pm 1.0	NS
A	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	Endangered	Threatened		SNA	2	60.3 \pm 0.0	NS
A	<i>Protonotaria citrea</i>	Prothonotary Warbler	Endangered	Endangered		SNA	1	98.5 \pm 0.0	NS
A	<i>Delphinapterus leucas</i>	Beluga	Endangered	Endangered		SNA	1	97.8 \pm 1.0	NS
A	<i>Colinus virginianus</i>	Northern Bobwhite	Endangered	Endangered			8	32.6 \pm 7.0	NS
A	<i>Antrostomus vociferus</i>	Eastern Whip-Poor-Will	Threatened	Threatened	Threatened	S1?B	12	14.2 \pm 7.0	NS
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	1	79.4 \pm 7.0	NS
A	<i>Asio flammeus</i>	Short-eared Owl	Threatened	Special Concern		S1B	5	54.8 \pm 0.0	NS
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2	743	15.0 \pm 5.0	NS
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Endangered	S2B	1418	6.2 \pm 0.0	NS
A	<i>Thamnophis saurita</i>	Eastern Ribbonsnake	Threatened	Threatened	Threatened	S2S3	2133	1.0 \pm 0.0	NS
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	612	3.7 \pm 7.0	NS
A	<i>Limosa haemastica</i>	Hudsonian Godwit	Threatened			S2S3M	176	38.1 \pm 0.0	NS
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened			S2S3N	3	85.0 \pm 0.0	NS
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened	Threatened	Vulnerable	S3B	1198	3.7 \pm 7.0	NS
A	<i>Hydrobates leucorhous</i>	Leach's Storm-Petrel	Threatened			S3B	25	20.2 \pm 0.0	NS
A	<i>Tringa flavipes</i>	Lesser Yellowlegs	Threatened			S3M	695	26.9 \pm 0.0	NS
A	<i>Anguilla rostrata</i>	American Eel	Threatened			S3N	269	26.0 \pm 1.0	NS
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened		SHB	5	53.7 \pm 7.0	NS
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened		SUB	23	3.7 \pm 7.0	NS
A	<i>Passerculus sandwichensis princeps</i>	Ipswich Sparrow	Special Concern	Special Concern		S1B	1	93.4 \pm 0.0	NS
A	<i>Bucephala islandica</i>	Barrow's Goldeneye	Special Concern	Special Concern		S1N,SUM	3	70.6 \pm 0.0	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	243	3.7 \pm 7.0	NS
A	<i>Balaenoptera physalus</i>	Fin Whale	Special Concern	Special Concern		S2S3	1	38.9 \pm 0.0	NS
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	5	39.9 \pm 0.0	NS
A	<i>Histrionicus histrionicus pop. 1</i>	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2S3N,SUM	46	39.2 \pm 0.0	NS
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	421	1.0 \pm 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Hirundo rustica</i>	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1167	3.7 ± 7.0	NS
A	<i>Cardellina canadensis</i>	Canada Warbler	Special Concern	Threatened	Endangered	S3B	621	3.7 ± 7.0	NS
A	<i>Chordeiles minor</i>	Common Nighthawk	Special Concern	Threatened	Threatened	S3B	514	0.8 ± 0.0	NS
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B	886	3.7 ± 7.0	NS
A	<i>Coccythraustes vespertinus</i>	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	762	3.7 ± 7.0	NS
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern		S3N,SUM	12	35.6 ± 10.0	NS
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	1233	2.2 ± 0.0	NS
A	<i>Phocoena phocoena</i>	Harbour Porpoise	Special Concern			S4	24	38.0 ± 1.0	NS
A	<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern		S4	720	1.0 ± 0.0	NS
A	<i>Calidris subruficollis</i>	Buff-breasted Sandpiper	Special Concern	Special Concern		SNA	50	38.8 ± 0.0	NS
A	<i>Accipiter cooperii</i>	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	3	92.8 ± 0.0	NS
A	<i>Fulica americana</i>	American Coot	Not At Risk			S1B	5	61.8 ± 7.0	NS
A	<i>Falco peregrinus pop. 1</i>	Peregrine Falcon - anatum/tundrius	Not At Risk	Special Concern	Vulnerable	S1B,SUM	83	37.6 ± 0.0	NS
A	<i>Sorex dispar</i>	Long-tailed Shrew	Not At Risk			S2	1	93.7 ± 0.0	NS
A	<i>Lynx canadensis</i>	Canada Lynx	Not At Risk		Endangered	S2S3	2	39.0 ± 1.0	NS
A	<i>Hemidactylium scutatum</i>	Four-toed Salamander	Not At Risk			S3	34	4.1 ± 1.0	NS
A	<i>Megaptera novaeangliae</i>	Humpback Whale	Not At Risk			S3	3	77.8 ± 0.0	NS
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B	260	3.7 ± 7.0	NS
A	<i>Sialia sialis</i>	Eastern Bluebird	Not At Risk			S3B	36	21.0 ± 0.0	NS
A	<i>Accipiter gentilis</i>	Northern Goshawk	Not At Risk			S3S4	84	3.7 ± 7.0	NS
A	<i>Glaucomys volans</i>	Southern Flying Squirrel	Not At Risk			S3S4	15	27.0 ± 0.0	NS
A	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin	Not At Risk			S3S4	3	65.3 ± 2.0	NS
A	<i>Ammospiza nelsoni</i>	Nelson's Sparrow	Not At Risk			S3S4B	95	36.8 ± 0.0	NS
A	<i>Calidris canutus rufa</i>	Red Knot rufa subspecies - Tierra del Fuego / Patagonia wintering population	E,SC	Endangered	Endangered	S2M	646	26.9 ± 0.0	NS
A	<i>Morone saxatilis</i>	Striped Bass	E,SC			S2S3B,S2S3N	10	37.0 ± 1.0	NS
A	<i>Gadus morhua</i>	Atlantic Cod	E,SC,DD			SNR	2	70.1 ± 0.0	NS
A	<i>Odobenus rosmarus pop. 5</i>	Atlantic Walrus - Nova Scotia - Newfoundland - Gulf of St Lawrence population	X			SX	1	67.6 ± 5.0	NS
A	<i>Alces alces americana</i>	Moose			Endangered	S1	112	20.6 ± 1.0	NS
A	<i>Passerina cyanea</i>	Indigo Bunting				S1?B,SUM	23	29.7 ± 7.0	NS
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B	4	61.8 ± 7.0	NS
A	<i>Gallinula galeata</i>	Common Gallinule				S1B	7	60.2 ± 7.0	NS
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S1B	38	12.6 ± 7.0	NS
A	<i>Cistothorus palustris</i>	Marsh Wren				S1B	5	41.4 ± 7.0	NS
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S1B	40	20.6 ± 0.0	NS
A	<i>Toxostoma rufum</i>	Brown Thrasher				S1B	13	53.5 ± 7.0	NS
A	<i>Charadrius semipalmatus</i>	Semipalmated Plover				S1B,S4M	1552	26.9 ± 0.0	NS
A	<i>Calidris minutilla</i>	Least Sandpiper				S1B,S4M	1173	26.9 ± 0.0	NS
A	<i>Anas acuta</i>	Northern Pintail				S1B,SUM	19	37.4 ± 7.0	NS
A	<i>Vireo gilvus</i>	Warbling Vireo				S1B,SUM	19	57.4 ± 7.0	NS
A	<i>Vespertilionidae sp.</i>	bat species				S1S2	422	3.8 ± 0.0	NS
A	<i>Pooecetes gramineus</i>	Vesper Sparrow				S1S2B,SUM	25	18.7 ± 7.0	NS
A	<i>Vireo philadelphicus</i>	Philadelphia Vireo				S2?B,SUM	18	7.4 ± 7.0	NS
A	<i>Alca torda</i>	Razorbill				S2B	24	58.2 ± 7.0	NS
A	<i>Fratercula arctica</i>	Atlantic Puffin				S2B	24	51.8 ± 0.0	NS
A	<i>Empidonax traillii</i>	Willow Flycatcher				S2B	52	43.2 ± 7.0	NS
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S2B	160	3.7 ± 7.0	NS
A	<i>Spatula clypeata</i>	Northern Shoveler				S2B,SUM	58	60.2 ± 7.0	NS
A	<i>Mareca strepera</i>	Gadwall				S2B,SUM	76	59.7 ± 7.0	NS
A	<i>Piranga olivacea</i>	Scarlet Tanager				S2B,SUM	57	3.7 ± 7.0	NS
A	<i>Calidris alba</i>	Sanderling				S2N,S3M	1360	26.9 ± 0.0	NS
A	<i>Martes americana</i>	American Marten			Endangered	S2S3	27	26.4 ± 0.0	NS
A	<i>Asio otus</i>	Long-eared Owl				S2S3	19	27.1 ± 0.0	NS
A	<i>Rallus limicola</i>	Virginia Rail				S2S3B	16	43.6 ± 7.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S2S3B	8	58.2 ± 7.0	NS
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B	216	3.7 ± 7.0	NS
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2S3B,S2S3N	46	46.4 ± 7.0	NS
A	<i>Cathartes aura</i>	Turkey Vulture				S2S3B,S4S5M	45	32.9 ± 0.0	NS
A	<i>Setophaga pinus</i>	Pine Warbler				S2S3B,S4S5M	20	8.3 ± 7.0	NS
A	<i>Bucephala clangula</i>	Common Goldeneye				S2S3B,S5N,S5M	116	32.5 ± 7.0	NS
A	<i>Icterus galbula</i>	Baltimore Oriole				S2S3B,SUM	89	13.1 ± 7.0	NS
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	248	38.1 ± 0.0	NS
A	<i>Numenius phaeopus hudsonicus</i>	Whimbrel				S2S3M	327	26.9 ± 0.0	NS
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S2S3M	2	38.8 ± 0.0	NS
A	<i>Perisoreus canadensis</i>	Canada Jay				S3	389	3.7 ± 7.0	NS
A	<i>Poecile hudsonicus</i>	Boreal Chickadee				S3	311	3.7 ± 7.0	NS
A	<i>Spinus pinus</i>	Pine Siskin				S3	375	3.7 ± 7.0	NS
A	<i>Salvelinus fontinalis</i>	Brook Trout				S3	38	21.0 ± 0.0	NS
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	1	62.1 ± 0.0	NS
A	<i>Synaptomys cooperi</i>	Southern Bog Lemming				S3	1	93.7 ± 0.0	NS
A	<i>Pekania pennanti</i>	Fisher				S3	12	33.7 ± 0.0	NS
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S3?N,SUM	1	77.9 ± 0.0	NS
A	<i>Spatula discors</i>	Blue-winged Teal				S3B	89	27.9 ± 7.0	NS
A	<i>Charadrius vociferus</i>	Killdeer				S3B	429	3.7 ± 7.0	NS
A	<i>Tringa semipalmata</i>	Willet				S3B	1693	26.9 ± 0.0	NS
A	<i>Sterna paradisaea</i>	Arctic Tern				S3B	66	36.3 ± 0.0	NS
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B	47	12.6 ± 7.0	NS
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3B	205	3.7 ± 7.0	NS
A	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak				S3B	385	3.7 ± 7.0	NS
A	<i>Alosa pseudoharengus</i>	Alewife				S3B	13	59.4 ± 1.0	NS
A	<i>Somateria mollissima</i>	Common Eider				S3B,S3M,S3N	479	32.5 ± 7.0	NS
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S3B,S4M	1607	26.9 ± 0.0	NS
A	<i>Falco sparverius</i>	American Kestrel				S3B,S4S5M	157	8.3 ± 7.0	NS
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3B,S5M	503	3.7 ± 7.0	NS
A	<i>Setophaga striata</i>	Blackpoll Warbler				S3B,S5M	53	18.0 ± 7.0	NS
A	<i>Cardellina pusilla</i>	Wilson's Warbler				S3B,S5M	61	15.1 ± 7.0	NS
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S3B,S5N,S5M	106	3.7 ± 7.0	NS
A	<i>Setophaga tigrina</i>	Cape May Warbler				S3B,SUM	57	15.0 ± 0.0	NS
A	<i>Branta bernicla</i>	Brant				S3M	2	79.6 ± 0.0	NS
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3M	1778	26.9 ± 0.0	NS
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	756	26.9 ± 0.0	NS
A	<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3M	1459	26.9 ± 0.0	NS
A	<i>Calidris melanotos</i>	Pectoral Sandpiper				S3M	336	38.1 ± 0.0	NS
A	<i>Limnodromus griseus</i>	Short-billed Dowitcher				S3M	1153	38.1 ± 0.0	NS
A	<i>Picoides arcticus</i>	Black-backed Woodpecker				S3S4	80	3.7 ± 7.0	NS
A	<i>Loxia curvirostra</i>	Red Crossbill				S3S4	259	1.2 ± 0.0	NS
A	<i>Botaurus lentiginosus</i>	American Bittern				S3S4B,S4S5M	242	3.7 ± 7.0	NS
A	<i>Setophaga castanea</i>	Bay-breasted Warbler				S3S4B,S4S5M	270	3.7 ± 7.0	NS
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	709	3.4 ± 0.0	NS
A	<i>Leiothlypis peregrina</i>	Tennessee Warbler				S3S4B,S5M	143	3.7 ± 7.0	NS
A	<i>Passerella iliaca</i>	Fox Sparrow				S3S4B,S5M	59	27.2 ± 7.0	NS
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3S4B,S5M,S5N	90	8.3 ± 7.0	NS
A	<i>Calidris maritima</i>	Purple Sandpiper				S3S4N	192	35.6 ± 10.0	NS
A	<i>Morus bassanus</i>	Northern Gannet				SHB	16	42.6 ± 0.0	NS
A	<i>Leucophaeus atricilla</i>	Laughing Gull				SHB	3	38.0 ± 0.0	NS
A	<i>Progne subis</i>	Purple Martin				SHB	2	32.0 ± 7.0	NS
A	<i>Eremophila alpestris</i>	Horned Lark				SHB,S4S5N,S5M	9	60.9 ± 0.0	NS
I	<i>Bombus bohemicus</i>	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	22	7.2 ± 5.0	NS
I	<i>Epeoloides pilosulus</i>	Macropis Cuckoo Bee	Endangered	Endangered	Endangered	S1	2	60.9 ± 5.0	NS
I	<i>Danaus plexippus</i>	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	401	7.1 ± 0.0	NS
I	<i>Danaus plexippus plexippus</i>	Monarch	Endangered	Special Concern		S2?B,S3M	2	84.9 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	<i>Gomphurus ventricosus</i>	Skillet Clubtail	Endangered	Endangered		SH	1	89.6 ± 1.0	NS
I	<i>Bombus suckleyi</i>	Suckley's Cuckoo Bumble Bee	Threatened			SH	1	39.0 ± 5.0	NS
I	<i>Alasmidonta varicosa</i>	Brook Floater	Special Concern	Special Concern	Threatened	S3	2	16.1 ± 0.0	NS
I	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	75	9.0 ± 0.0	NS
I	<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle	Special Concern		Endangered	SH	3	60.2 ± 2.0	NS
I	<i>Cicindela formosa</i>	Big Sand Tiger Beetle				S1	1	74.1 ± 1.0	NS
I	<i>Erora laeta</i>	Early Hairstreak				S1	3	80.8 ± 2.0	NS
I	<i>Ophiogomphus anomalus</i>	Extra-Striped Snaketail				S1	8	21.7 ± 0.0	NS
I	<i>Atlanticoncha ochracea</i>	Tidewater Mucket				S1	1	93.3 ± 0.0	NS
I	<i>Polygonia comma</i>	Eastern Comma				S1?	20	73.4 ± 0.0	NS
I	<i>Polygonia satyrus</i>	Satyr Comma				S1?	11	79.2 ± 2.0	NS
I	<i>Margaritifera margaritifera</i>	Eastern Pearlshell				S2	5	13.9 ± 0.0	NS
I	<i>Pantala hymenaea</i>	Spot-Winged Glider				S2?B	3	83.9 ± 0.0	NS
I	<i>Nymphalis l-album</i>	Compton Tortoiseshell				S2S3	20	20.4 ± 2.0	NS
I	<i>Aglais milberti</i>	Milbert's Tortoiseshell				S2S3	9	67.0 ± 2.0	NS
I	<i>Somatochlora kennedyi</i>	Kennedy's Emerald				S2S3	5	30.2 ± 0.0	NS
I	<i>Williamsonia fletcheri</i>	Ebony Boghaunter				S2S3	3	20.8 ± 0.0	NS
I	<i>Enallagma geminatum</i>	Skimming Bluet				S2S3	4	9.6 ± 0.0	NS
I	<i>Stylurus scudderi</i>	Zebra Clubtail				S2S3	5	59.2 ± 0.0	NS
I	<i>Alasmidonta undulata</i>	Triangle Floater				S2S3	4	97.3 ± 0.0	NS
I	<i>Strophiona nitens</i>	Chestnut Bark Long-horned Beetle				S3	2	87.0 ± 0.0	NS
I	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle				S3	2	15.2 ± 0.0	NS
I	<i>Naemia seriata</i>	Seaside Lady Beetle				S3	17	66.5 ± 1.0	NS
I	<i>Chilocorus stigma</i>	Twice-stabbed Lady Beetle				S3	5	17.6 ± 0.0	NS
I	<i>Dicerca tenebrosa</i>	Dark Jewel Beetle				S3	1	61.1 ± 0.0	NS
I	<i>Astylopsis sexguttata</i>	Six-speckled Long-horned Beetle				S3	1	55.9 ± 0.0	NS
I	<i>Satyrrium calanus</i>	Banded Hairstreak				S3	60	50.3 ± 2.0	NS
I	<i>Callophrys lanoraieensis</i>	Bog Elfin				S3	17	22.9 ± 2.0	NS
I	<i>Strymon melinus</i>	Gray Hairstreak				S3	18	26.5 ± 0.0	NS
I	<i>Ophiogomphus aspersus</i>	Brook Snaketail				S3	4	41.3 ± 1.0	NS
I	<i>Ophiogomphus mainensis</i>	Maine Snaketail				S3	9	13.6 ± 0.0	NS
I	<i>Ophiogomphus rupinsulensis</i>	Rusty Snaketail				S3	13	19.6 ± 0.0	NS
I	<i>Epitheca princeps</i>	Prince Baskettail				S3	11	21.4 ± 0.0	NS
I	<i>Somatochlora forcipata</i>	Forcinate Emerald				S3	5	37.5 ± 1.0	NS
I	<i>Enallagma vernale</i>	Vernal Bluet				S3	3	81.8 ± 1.0	NS
I	<i>Polygonia interrogationis</i>	Question Mark				S3B	126	30.6 ± 7.0	NS
I	<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper				S3S4	15	71.3 ± 7.0	NS
I	<i>Cupido comyntas</i>	Eastern Tailed Blue				S3S4	25	30.8 ± 2.0	NS
I	<i>Argynnis aphrodite</i>	Aphrodite Fritillary				S3S4	21	13.2 ± 2.0	NS
I	<i>Polygonia faunus</i>	Green Comma				S3S4	10	68.5 ± 1.0	NS
I	<i>Oeneis jutta</i>	Jutta Arctic				S3S4	3	89.7 ± 2.0	NS
I	<i>Aeshna clepsydra</i>	Mottled Darner				S3S4	31	22.4 ± 1.0	NS
I	<i>Aeshna constricta</i>	Lance-Tipped Darner				S3S4	7	67.3 ± 1.0	NS
I	<i>Boyeria grafiana</i>	Ocellated Darner				S3S4	18	16.0 ± 0.0	NS
I	<i>Gomphaeschna furcillata</i>	Harlequin Darner				S3S4	33	0.4 ± 0.0	NS
I	<i>Somatochlora franklini</i>	Delicate Emerald				S3S4	2	50.7 ± 1.0	NS
I	<i>Erythrodiplax berenice</i>	Seaside Dragonlet				S3S4	11	37.6 ± 0.0	NS
I	<i>Nannothemis bella</i>	Elfin Skimmer				S3S4	32	1.7 ± 0.0	NS
I	<i>Sympetrum danae</i>	Black Meadowhawk				S3S4	1	39.3 ± 0.0	NS
I	<i>Enallagma vesperum</i>	Vesper Bluet				S3S4	22	13.3 ± 0.0	NS
I	<i>Icaricia saepiolus</i>	Greenish Blue				SH	2	79.2 ± 2.0	NS
I	<i>Chlosyne nycteis</i>	Silvery Checkerspot				SH	4	50.3 ± 2.0	NS
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	271	41.2 ± 0.0	NS
N	<i>Erioderma pedicellatum</i>	Boreal Felt Lichen - Atlantic	Endangered	Endangered	Endangered	S1	64	53.5 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	(Atlantic pop.)	pop.							
N	<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	195	1.1 ± 0.0	NS
N	<i>Pannaria lurida ssp. russellii</i>	Wrinkled Shingle Lichen	Threatened	Threatened		S2S3	1	33.0 ± 0.0	NS
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened	Threatened	Threatened	S3	213	6.0 ± 0.0	NS
N	<i>Fuscopannaria leucosticta</i>	White-rimmed Shingle Lichen	Threatened			S3	414	1.2 ± 0.0	NS
N	<i>Pectenium plumbea</i>	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	961	16.3 ± 0.0	NS
N	<i>Sclerophora peronella</i>	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	105	32.5 ± 0.0	NS
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk			S2S3	21	32.0 ± 0.0	NS
N	<i>Fissidens exilis</i>	Pygmy Pocket Moss	Not At Risk			S3	13	65.0 ± 3.0	NS
N	<i>Aloina brevirostris</i>	Short-Beaked Rigid Screw Moss				S1	1	83.8 ± 2.0	NS
N	<i>Orthotrichum pallens</i>	Pale Bristle Moss				S1	1	33.1 ± 0.0	NS
N	<i>Sematophyllum demissum</i>	a Moss				S1	1	14.2 ± 1.0	NS
N	<i>Cyrto-hypnum minutulum</i>	Tiny Cedar Moss				S1	1	33.9 ± 0.0	NS
N	<i>Umbilicaria vellea</i>	Grizzled Rocktripe Lichen				S1	4	53.3 ± 0.0	NS
N	<i>Usnea perplexans</i>	Powdered Beard Lichen				S1	1	93.7 ± 0.0	NS
N	<i>Heterodermia leucomela</i>	Elegant Fringe Lichen				S1	1	41.2 ± 0.0	NS
N	<i>Scytinium dactylinum</i>	Brown-buttoned Jellyskin Lichen				S1	2	64.6 ± 0.0	NS
N	<i>Flavoparmelia baltimorensis</i>	Rock Greenshield Lichen				S1	1	69.1 ± 1.0	NS
N	<i>Lathagrium cristatum</i>	Fingered Jelly Lichen				S1	3	85.8 ± 0.0	NS
N	<i>Ephebe hispidula</i>	Dryside Rockshag Lichen				S1	2	53.7 ± 1.0	NS
N	<i>Ephebe perspinulosa</i>	Thread Lichen				S1	2	64.1 ± 0.0	NS
N	<i>Fuscopannaria praetermissa</i>	Moss Shingles Lichen				S1	1	80.7 ± 0.0	NS
N	<i>Lichina confinis</i>	Marine Seaweed Lichen				S1	2	97.8 ± 1.0	NS
N	<i>Parmotrema perforatum</i>	Perforated Ruffle Lichen				S1	4	35.8 ± 0.0	NS
N	<i>Polychidium muscicola</i>	Eyed Mossthorns				S1	2	52.5 ± 0.0	NS
N	<i>Pseudevernia consocians</i>	Woollybear Lichen				S1	1	32.2 ± 0.0	NS
N	<i>Spilonema revertens</i>	Common Antler Lichen				S1	4	62.8 ± 0.0	NS
N	<i>Sticta limbata</i>	Rock Hairball Lichen				S1	8	55.1 ± 0.0	NS
N	<i>Leptogium hibernicum</i>	Powdered Moon Lichen				S1	59	3.6 ± 0.0	NS
N	<i>Hypotrachyna horrescens</i>	Hibernia Jellyskin Lichen				S1	4	73.7 ± 0.0	NS
N	<i>Peltigera lepidophora</i>	Hairy-spined Shield Lichen				S1	5	33.9 ± 0.0	NS
N	<i>Hypogymnia hultenii</i>	Scaly Pelt Lichen				S1	3	56.4 ± 0.0	NS
N	<i>Aloina rigida</i>	Powdered Honeycomb Lichen				S1?	2	83.2 ± 0.0	NS
N	<i>Imbricium muehlenbeckii</i>	Aloe-Like Rigid Screw Moss				S1?	2	63.4 ± 0.0	NS
N	<i>Muehlenbeckia bryum</i>	Muehlenbeck's Bryum Moss				S1?	1	59.1 ± 1.0	NS
N	<i>Campylostelium saxicola</i>	a Moss				S1?	1	70.2 ± 2.0	NS
N	<i>Conardia compacta</i>	Coast Creeping Moss				S1?	1	70.2 ± 2.0	NS
N	<i>Grimmia anodon</i>	Toothless Grimmiid Moss				S1?	2	37.2 ± 3.0	NS
N	<i>Homomallium adnatum</i>	Adnate Hairy-gray Moss				S1?	1	36.6 ± 5.0	NS
N	<i>Meesia triquetra</i>	Three-ranked Cold Moss				S1?	1	72.1 ± 0.0	NS
N	<i>Paludella squarrosa</i>	Tufted Fen Moss				S1?	3	91.4 ± 0.0	NS
N	<i>Physcomitrium immersum</i>	a Moss				S1?	1	84.9 ± 0.0	NS
N	<i>Schistostega pennata</i>	Luminous Moss				S1?	1	98.4 ± 0.0	NS
N	<i>Sphagnum cyclophyllum</i>	a Moss				S1?	9	99.0 ± 0.0	NS
N	<i>Sphagnum molle</i>	Blushing Peat Moss				S1?	1	93.0 ± 0.0	NS
N	<i>Trichodon cylindricus</i>	Cylindric Hairy-teeth Moss				S1?	1	81.4 ± 3.0	NS
N	<i>Plagiomnium ellipticum</i>	Marsh Leafy Moss				S1?	1	61.2 ± 0.0	NS
N	<i>Syntrichia ruralis</i>	a Moss				S1?	1	86.5 ± 0.0	NS
N	<i>Euopsis granatina</i>	Lesser Rockbud Lichen				S1?	1	66.0 ± 1.0	NS
N	<i>Scytinium intermedium</i>	Forty-five Jellyskin Lichen				S1?	1	91.5 ± 1.0	NS
N	<i>Melanelia culbersonii</i>	Appalachian Camouflage Lichen				S1?	1	57.1 ± 0.0	NS
N	<i>Metzgeria crassipilis</i>	Hairy Veilwort				S1S2	3	47.3 ± 0.0	NS

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N	<i>Porella pinnata</i>	Pinnate Scalewort				S1S2	1	15.1 ± 0.0	NS
N	<i>Arrhenopterum heterostichum</i>	One-sided Groove Moss				S1S2	2	9.0 ± 5.0	NS
N	<i>Brachythecium turgidum</i>	Thick Ragged Moss				S1S2	3	81.4 ± 3.0	NS
N	<i>Didymodon rigidulus</i>	Rigid Screw Moss				S1S2	2	33.6 ± 0.0	NS
N	<i>Hypnum pratense</i>	Meadow Plait Moss				S1S2	1	70.3 ± 3.0	NS
N	<i>Mnium thomsonii</i>	Thomson's Leafy Moss				S1S2	1	82.5 ± 2.0	NS
N	<i>Tortula acaulon</i>	Cuspidate Earth Moss				S1S2	1	74.4 ± 2.0	NS
N	<i>Plagiothecium latebricola</i>	Alder Silk Moss				S1S2	1	47.5 ± 5.0	NS
N	<i>Platydictya confervoides</i>	a Moss				S1S2	1	81.4 ± 0.0	NS
N	<i>Sematophyllum marylandicum</i>	a Moss				S1S2	1	33.5 ± 0.0	NS
N	<i>Sphagnum trinitense</i>	a peatmoss				S1S2	2	92.5 ± 0.0	NS
N	<i>Tortula mucronifolia</i>	Mucronate Screw Moss				S1S2	1	37.2 ± 3.0	NS
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss				S1S2	5	46.6 ± 4.0	NS
N	<i>Hamatocaulis vernicosus</i>	a Moss				S1S2	2	72.3 ± 0.0	NS
N	<i>Haplocladium microphyllum</i>	Tiny-leaved Haplocladium Moss				S1S2	1	69.5 ± 3.0	NS
N	<i>Enchylium bachmanianum</i>	Bachman's Jelly Lichen				S1S2	1	85.8 ± 0.0	NS
N	<i>Pilophorus cereolus</i>	Powdered Matchstick Lichen				S1S2	1	67.1 ± 3.0	NS
N	<i>Rhizoplaca subdiscrepans</i>	Scattered Rock-posy Lichen				S1S2	1	56.0 ± 1.0	NS
N	<i>Parmotrema reticulatum</i>	Netted Ruffle Lichen				S1S2	5	31.7 ± 0.0	NS
N	<i>Parmeliella parvula</i>	Poor-man's Shingles Lichen				S1S2	40	56.6 ± 0.0	NS
N	<i>Umbilicaria polyrhiza</i>	Ballpoint Rocktripe Lichen				S1S3	2	41.8 ± 0.0	NS
N	<i>Lecanora polytropa</i>	a lichen				S1S3	2	91.8 ± 1.0	NS
N	<i>Heterodermia galactophylla</i>	Branching Fringe Lichen				S1S3	1	56.0 ± 0.0	NS
N	<i>Xylopsora friesii</i>	a Lichen				S1S3	2	97.0 ± 0.0	NS
N	<i>Peltigera neckeri</i>	Black-saddle Pelt Lichen				S1S3	1	43.9 ± 0.0	NS
N	<i>Usnea fragilesceus</i>	Inflationary Beard Lichen				S1S3	2	59.9 ± 2.0	NS
N	<i>Stereocaulon intermedium</i>	Pacific Brain Foam Lichen				S1S3	4	18.0 ± 0.0	NS
N	<i>Anacamptodon splachnoides</i>	a Moss				S2	2	36.3 ± 0.0	NS
N	<i>Sphagnum platyphyllum</i>	Flat-leaved Peat Moss				S2	2	65.7 ± 0.0	NS
N	<i>Sphagnum subnitens</i>	Lustrous Peat Moss				S2	4	37.3 ± 0.0	NS
N	<i>Usnea flavocardia</i>	Blood-splattered Beard Lichen				S2	2	67.2 ± 1.0	NS
N	<i>Cystocoleus ebeneus</i>	Rockgossamer Lichen				S2	6	41.6 ± 0.0	NS
N	<i>Hypotrachyna catawbiensis</i>	Powder-tipped Antler Lichen				S2	12	36.1 ± 0.0	NS
N	<i>Scytinium imbricatum</i>	Scaly Jellyskin Lichen				S2	1	47.0 ± 0.0	NS
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen				S2	1	98.9 ± 1.0	NS
N	<i>Nephroma resupinatum</i>	a lichen				S2	13	47.8 ± 0.0	NS
N	<i>Placynthium flabellousum</i>	Scaly Ink Lichen				S2	1	52.5 ± 0.0	NS
N	<i>Weissia muhlenbergiana</i>	a Moss				S2?	5	70.3 ± 3.0	NS
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss				S2?	7	33.8 ± 0.0	NS
N	<i>Ptychostomum pendulum</i>	Drooping Bryum				S2?	2	83.8 ± 2.0	NS
N	<i>Drepanocladus polygamus</i>	Polygamous Hook Moss				S2?	2	34.2 ± 0.0	NS
N	<i>Pseudocampyllum radicale</i>	Long-stalked Fine Wet Moss				S2?	3	33.2 ± 0.0	NS
N	<i>Climacium americanum</i>	American Tree Moss				S2?	9	33.2 ± 0.0	NS
N	<i>Dicranum condensatum</i>	Condensed Broom Moss				S2?	6	33.8 ± 0.0	NS
N	<i>Ditrichum rhynchostegium</i>	a Moss				S2?	6	31.7 ± 1.0	NS
N	<i>Fissidens bushii</i>	Bush's Pocket Moss				S2?	6	33.9 ± 0.0	NS
N	<i>Fontinalis hypnoides</i>	a moss				S2?	1	34.4 ± 0.0	NS
N	<i>Fontinalis sullivantii</i>	Sullivant's Water Moss				S2?	4	29.1 ± 0.0	NS
N	<i>Grimmia olneyi</i>	a Moss				S2?	10	33.5 ± 0.0	NS
N	<i>Grimmia anomala</i>	Mountain Forest Grimmia				S2?	1	37.7 ± 1.0	NS
N	<i>Hygrohypnum bestii</i>	Best's Brook Moss				S2?	1	69.8 ± 0.0	NS
N	<i>Orthotrichum anomalum</i>	Anomalous Bristle Moss				S2?	2	33.1 ± 0.0	NS
N	<i>Philonotis marchica</i>	a Moss				S2?	1	33.6 ± 0.0	NS

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N	<i>Physcomitrium collenchymatum</i>	a Moss				S2?	1	81.4 ± 0.0	NS
N	<i>Rauvella scita</i>	Smaller Fern Moss				S2?	16	33.8 ± 0.0	NS
N	<i>Platylomella lescurii</i>	a Moss				S2?	8	14.2 ± 1.0	NS
N	<i>Phyllicum demangeonii</i>	Black Rock-wafer Lichen				S2?	5	19.3 ± 0.0	NS
N	<i>Oxyrrhynchium hians</i>	Light Beaked Moss				S2S3	5	36.6 ± 5.0	NS
N	<i>Platydictya subtilis</i>	Bark Willow Moss				S2S3	3	33.4 ± 0.0	NS
N	<i>Plagiomnium rostratum</i>	Long-beaked Leafy Moss				S2S3	5	34.2 ± 0.0	NS
N	<i>Scorpidium revolvens</i>	Limprichtia Moss				S2S3	2	70.1 ± 2.0	NS
N	<i>Moelleropsis nebulosa</i>	Blue-gray Moss Shingle Lichen				S2S3	156	19.2 ± 0.0	NS
N	<i>Moelleropsis nebulosa ssp. frullaniae</i>	Blue-gray Moss Shingle Lichen				S2S3	8	28.3 ± 0.0	NS
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen				S2S3	1	99.6 ± 2.0	NS
N	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen				S2S3	68	13.8 ± 0.0	NS
N	<i>Usnea ceratina</i>	Warty Beard Lichen				S2S3	1	32.3 ± 0.0	NS
N	<i>Usnea hirta</i>	Bristly Beard Lichen				S2S3	2	97.9 ± 0.0	NS
N	<i>Usnea rubicunda</i>	Red Beard Lichen				S2S3	7	40.5 ± 0.0	NS
N	<i>Ahtiana aurescens</i>	Eastern Candlewax Lichen				S2S3	23	13.8 ± 0.0	NS
N	<i>Usnocetraria oakesiana</i>	Yellow Band Lichen				S2S3	16	35.9 ± 0.0	NS
N	<i>Cladonia incrassata</i>	Powder-foot British Soldiers Lichen				S2S3	2	31.7 ± 3.0	NS
N	<i>Cladonia mateocyatha</i>	Mixed-up Pixie-cup				S2S3	5	17.7 ± 0.0	NS
N	<i>Cladonia parasitica</i>	Fence-rail Lichen				S2S3	2	66.1 ± 1.0	NS
N	<i>Chaenotheca gracilentia</i>	a lichen				S2S3	1	99.0 ± 0.0	NS
N	<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen				S2S3	7	39.6 ± 1.0	NS
N	<i>Melanohalea septentrionalis</i>	Northern Camouflage Lichen				S2S3	1	94.2 ± 0.0	NS
N	<i>Myelochroa aurulenta</i>	Powdery Axil-bristle Lichen				S2S3	1	75.6 ± 2.0	NS
N	<i>Parmelia fertilis</i>	Fertile Shield Lichen				S2S3	2	22.3 ± 0.0	NS
N	<i>Hypotrachyna minarum</i>	Hairless-spined Shield Lichen				S2S3	4	31.9 ± 0.0	NS
N	<i>Parmeliopsis ambigua</i>	Green Starburst Lichen				S2S3	2	74.7 ± 2.0	NS
N	<i>Racodium rupestre</i>	Rockhair Lichen				S2S3	3	56.5 ± 0.0	NS
N	<i>Umbilicaria polyphylla</i>	Petalled Rocktripe Lichen				S2S3	1	74.7 ± 2.0	NS
N	<i>Usnea cavernosa</i>	Pitted Beard Lichen				S2S3	4	67.1 ± 0.0	NS
N	<i>Usnea mutabilis</i>	Bloody Beard Lichen				S2S3	1	93.6 ± 0.0	NS
N	<i>Fuscopannaria sorediata</i>	a Lichen				S2S3	18	32.2 ± 0.0	NS
N	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen				S2S3	2	63.3 ± 0.0	NS
N	<i>Dimelaena oreina</i>	Golden Moonglow Lichen				S2S3	1	98.3 ± 1.0	NS
N	<i>Hypotrachyna revoluta</i>	Granulating Loop Lichen				S2S3	4	97.1 ± 0.0	NS
N	<i>Cetraria arenaria</i>	Sand-loving Icelandmoss Lichen				S2S3	18	45.6 ± 0.0	NS
N	<i>Cladonia coccifera</i>	Eastern Boreal Pixie-cup Lichen				S2S3	1	50.9 ± 0.0	NS
N	<i>Cladonia deformis</i>	Lesser Sulphur-cup Lichen				S2S3	2	59.4 ± 4.0	NS
N	<i>Cladonia phyllophora</i>	Felt Lichen				S2S3	2	73.2 ± 4.0	NS
N	<i>Usnea flammea</i>	Coastal Bushy Beard Lichen				S2S3	3	69.2 ± 0.0	NS
N	<i>Ephemerum serratum</i>	a Moss				S3	4	80.7 ± 5.0	NS
N	<i>Fissidens taxifolius</i>	Yew-leaved Pocket Moss				S3	7	80.7 ± 5.0	NS
N	<i>Anomodon tristis</i>	a Moss				S3	6	36.3 ± 0.0	NS
N	<i>Sphagnum contortum</i>	Twisted Peat Moss				S3	1	65.6 ± 0.0	NS
N	<i>Tetraplodon angustatus</i>	Toothed-leaved Nitrogen Moss				S3	3	0.5 ± 0.0	NS
N	<i>Rostania occultata</i>	Crusted Tarpaper Lichen				S3	4	32.5 ± 2.0	NS
N	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen				S3	78	14.2 ± 0.0	NS
N	<i>Solorina saccata</i>	Woodland Owl Lichen				S3	9	85.6 ± 0.0	NS
N	<i>Fuscopannaria ahlneri</i>	Corrugated Shingles Lichen				S3	102	6.0 ± 0.0	NS
N	<i>Heterodermia squamulosa</i>	Scaly Fringe Lichen				S3	25	1.6 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	<i>Scytinium lichenoides</i>	Tattered Jellyskin Lichen				S3	19	7.7 ± 0.0	NS
N	<i>Leptogium milligranum</i>	Stretched Jellyskin Lichen				S3	44	1.7 ± 0.0	NS
N	<i>Nephroma bellum</i>	Naked Kidney Lichen				S3	14	27.6 ± 9.0	NS
N	<i>Placynthium nigrum</i>	Common Ink Lichen				S3	1	45.3 ± 3.0	NS
N	<i>Punctelia appalachensis</i>	Appalachian Speckleback Lichen				S3	41	62.8 ± 0.0	NS
N	<i>Viridothelium virens</i>					S3	6	28.4 ± 0.0	NS
N	<i>Ephebe lanata</i>	Waterside Rockshag Lichen				S3	1	34.0 ± 0.0	NS
N	<i>Phaeophyscia adiaetola</i>	Powder-tipped Shadow Lichen				S3	18	91.6 ± 0.0	NS
N	<i>Phaeophyscia pusilloides</i>	Pompom-tipped Shadow Lichen				S3	8	27.3 ± 0.0	NS
N	<i>Peltigera collina</i>	Tree Pelt Lichen				S3	11	27.3 ± 0.0	NS
N	<i>Metzgeria conjugata</i>	Rock Veilwort				S3?	1	64.5 ± 0.0	NS
N	<i>Barbula convoluta</i>	Lesser Bird's-claw Beard Moss				S3?	3	69.4 ± 0.0	NS
N	<i>Calliergon giganteum</i>	Giant Spear Moss				S3?	3	65.8 ± 0.0	NS
N	<i>Drummondia prorepens</i>	a Moss				S3?	5	33.8 ± 0.0	NS
N	<i>Elodium blandowii</i>	Blandow's Bog Moss				S3?	5	61.2 ± 0.0	NS
N	<i>Mnium stellare</i>	Star Leafy Moss				S3?	2	85.3 ± 0.0	NS
N	<i>Cladonia stygia</i>	Black-footed Reindeer Lichen				S3?	2	63.8 ± 0.0	NS
N	<i>Anomodon rugelii</i>	Rugel's Anomodon Moss				S3S4	11	35.3 ± 4.0	NS
N	<i>Dichelyma capillaceum</i>	Hairlike Dichelyma Moss				S3S4	9	32.4 ± 1.0	NS
N	<i>Dicranum leioneuron</i>	a Dicranum Moss				S3S4	3	67.6 ± 0.0	NS
N	<i>Myurella julacea</i>	Small Mouse-tail Moss				S3S4	1	62.8 ± 0.0	NS
N	<i>Splachnum ampullaceum</i>	Cruet Dung Moss				S3S4	1	41.7 ± 0.0	NS
N	<i>Thamnobryum alleghaniense</i>	a Moss				S3S4	5	8.8 ± 1.0	NS
N	<i>Tomentypnum nitens</i>	Golden Fuzzy Fen Moss				S3S4	1	91.4 ± 0.0	NS
N	<i>Schistidium agassizii</i>	Elf Bloom Moss				S3S4	3	14.2 ± 1.0	NS
N	<i>Hylocomiastrum pyrenaicum</i>	a Feather Moss				S3S4	4	36.3 ± 0.0	NS
N	<i>Enchylium tenax</i>	Soil Tarpaper Lichen				S3S4	5	85.8 ± 0.0	NS
N	<i>Stictia fuliginosa</i>	Peppered Moon Lichen				S3S4	271	38.6 ± 0.0	NS
N	<i>Arctoparmelia incurva</i>	Finger Ring Lichen				S3S4	63	27.6 ± 0.0	NS
N	<i>Scytinium teretiusculum</i>	Curly Jellyskin Lichen				S3S4	19	38.6 ± 0.0	NS
N	<i>Leptogium acadense</i>	Acadian Jellyskin Lichen				S3S4	55	21.0 ± 0.0	NS
N	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen				S3S4	33	24.1 ± 0.0	NS
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen				S3S4	2	42.5 ± 0.0	NS
N	<i>Vahlia leucophaea</i>	Shelter Shingle Lichen				S3S4	1	52.5 ± 0.0	NS
N	<i>Heterodermia speciosa</i>	Powdered Fringe Lichen				S3S4	62	6.0 ± 0.0	NS
N	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen				S3S4	366	1.6 ± 0.0	NS
N	<i>Melanohalea olivacea</i>	Spotted Camouflage Lichen				S3S4	5	60.2 ± 0.0	NS
N	<i>Parmotrema perlatum</i>	Powdered Ruffle Lichen				S3S4	49	31.5 ± 19.0	NS
N	<i>Sphaerophorus fragilis</i>	Fragile Coral Lichen				S3S4	6	70.7 ± 3.0	NS
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen				S3S4	1002	6.0 ± 0.0	NS
N	<i>Physcia caesia</i>	Blue-gray Rosette Lichen				S3S4	3	54.7 ± 20.0	NS
N	<i>Physcia tenella</i>	Fringed Rosette Lichen				S3S4	5	69.1 ± 1.0	NS
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen				S3S4	132	1.6 ± 0.0	NS
N	<i>Evernia prunastri</i>	Valley Oakmoss Lichen				S3S4	31	46.6 ± 1.0	NS
N	<i>Heterodermia neglecta</i>	Fringe Lichen				S3S4	257	35.7 ± 0.0	NS
P	<i>Rhynchospora macrostachya</i>	Tall Beakrush	Endangered	Endangered	Endangered	S1	57	7.6 ± 0.0	NS
P	<i>Coreopsis rosea</i>	Pink Coreopsis	Endangered	Endangered	Endangered	S2	7	97.0 ± 0.0	NS
P	<i>Clethra alnifolia</i>	Coast Pepper-Bush	Endangered	Threatened	Vulnerable	S2	282	26.6 ± 0.0	NS
P	<i>Sabatia kennedyana</i>	Plymouth Gentian	Endangered	Endangered	Endangered	S2S3	837	78.7 ± 0.0	NS
P	<i>Juglans cinerea</i>	Butternut	Endangered	Endangered		SNA	12	19.0 ± 0.0	NS
P	<i>Fraxinus nigra</i>	Black Ash	Threatened		Threatened	S1S2	274	1.6 ± 0.0	NS
P	<i>Liatris spicata</i>	Dense Blazing Star	Threatened	Threatened		SNA	4	59.3 ± 0.0	NS

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P	<i>Hydrocotyle umbellata</i>	Water Pennywort	Special Concern	Special Concern	Endangered	S2	72	33.0 ± 0.0	NS
P	<i>Eleocharis tuberculosa</i>	Tuberled Spike-rush	Special Concern	Special Concern	Vulnerable	S2	80	32.9 ± 0.0	NS
P	<i>Lachnanthes caroliniana</i>	Redroot	Special Concern	Special Concern	Vulnerable	S2	1470	7.1 ± 0.0	NS
P	<i>Lophiola aurea</i>	Goldencrest	Special Concern	Special Concern	Vulnerable	S2	798	1.7 ± 0.0	NS
P	<i>Lilaeopsis chinensis</i>	Eastern Lilaeopsis	Special Concern	Special Concern	Vulnerable	S3	153	23.3 ± 0.0	NS
P	<i>Scirpus longii</i>	Long's Bulrush	Special Concern		Vulnerable	S3	682	0.8 ± 0.0	NS
P	<i>Isoetes prototypus</i>	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S3	6	63.4 ± 0.0	NS
P	<i>Floerkea proserpinacoides</i>	False Mermaidweed	Not At Risk			S2S3	36	70.0 ± 1.0	NS
P	<i>Acer saccharinum</i>	Silver Maple				S1	11	74.0 ± 0.0	NS
P	<i>Toxicodendron vernix</i>	Poison Sumac				S1	41	24.5 ± 0.0	NS
P	<i>Osmorhiza depauperata</i>	Blunt Sweet Cicely				S1	1	79.8 ± 5.0	NS
P	<i>Antennaria rosea ssp. arida</i>	Rosy Pussytoes				S1	1	94.9 ± 0.0	NS
P	<i>Nabalus racemosus</i>	Glaucous Rattlesnakeroot				S1	2	84.6 ± 0.0	NS
P	<i>Andersonglossum boreale</i>	Northern Wild Comfrey				S1	5	73.6 ± 0.0	NS
P	<i>Turritis glabra</i>	Tower Mustard				S1	1	36.0 ± 0.0	NS
P	<i>Lobelia spicata</i>	Pale-Spiked Lobelia				S1	5	90.7 ± 50.0	NS
P	<i>Silene antirrhina</i>	Sleepy Catchfly				S1	5	61.5 ± 2.0	NS
P	<i>Stellaria crassifolia</i>	Fleshy Stitchwort				S1	1	45.8 ± 2.0	NS
P	<i>Astragalus robbinsii var. minor</i>	Robbins' Milkvetch				S1	28	94.8 ± 0.0	NS
P	<i>Ribes americanum</i>	Wild Black Currant				S1	2	80.5 ± 1.0	NS
P	<i>Trichostema dichotomum</i>	Forked Bluecurls				S1	6	2.3 ± 0.0	NS
P	<i>Fraxinus pennsylvanica</i>	Red Ash				S1	11	77.2 ± 0.0	NS
P	<i>Polygonum achoreum</i>	Leathery Knotweed				S1	1	60.2 ± 10.0	NS
P	<i>Phytolacca americana</i>	Common Pokeweed				S1	1	99.1 ± 0.0	NS
P	<i>Podostemum ceratophyllum</i>	Horn-leaved Riverweed				S1	4	12.7 ± 0.0	NS
P	<i>Montia fontana</i>	Water Blinks				S1	3	97.3 ± 1.0	NS
P	<i>Lysimachia minima</i>	Chaffweed				S1	1	34.3 ± 0.0	NS
P	<i>Lysimachia quadrifolia</i>	Whorled Yellow Loosestrife				S1	1	76.7 ± 0.0	NS
P	<i>Amelanchier nantucketensis</i>	Nantucket Serviceberry				S1	1	88.2 ± 0.0	NS
P	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort				S1	2	57.8 ± 1.0	NS
P	<i>Carex digitalis</i>	Slender Wood Sedge				S1	4	12.0 ± 0.0	NS
P	<i>Carex laxiflora</i>	Loose-Flowered Sedge				S1	6	38.1 ± 2.0	NS
P	<i>Carex ormostachya</i>	Necklace Spike Sedge				S1	5	34.6 ± 0.0	NS
P	<i>Carex prairea</i>	Prairie Sedge				S1	3	79.5 ± 1.0	NS
P	<i>Carex viridula var. saxillitoralis</i>	Greenish Sedge				S1	1	91.8 ± 0.0	NS
P	<i>Cyperus diandrus</i>	Low Flatsedge				S1	1	97.1 ± 0.0	NS
P	<i>Fimbristylis autumnalis</i>	Slender Fimbry				S1	3	34.0 ± 0.0	NS
P	<i>Scirpus atrovirens</i>	Dark-green Bulrush				S1	3	45.3 ± 0.0	NS
P	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush				S1	8	5.1 ± 0.0	NS
P	<i>Iris prismatica</i>	Slender Blue Flag				S1	1	64.4 ± 100.0	NS
P	<i>Sisyrinchium fuscatum</i>	Coastal Plain Blue-eyed-grass				S1	6	13.9 ± 0.0	NS
P	<i>Juncus secundus</i>	Secund Rush				S1	3	13.6 ± 1.0	NS
P	<i>Trillium grandiflorum</i>	White Trillium				S1	3	79.6 ± 1.0	NS
P	<i>Malaxis monophyllos var. brachypoda</i>	North American White Adder's-mouth				S1	2	91.1 ± 10.0	NS
P	<i>Spiranthes casei var. casei</i>	Case's Ladies'-Tresses				S1	3	37.7 ± 0.0	NS
P	<i>Dichanthelium xanthophysum</i>	Slender Panic Grass				S1	9	15.3 ± 0.0	NS
P	<i>Elymus hystrix</i>	Spreading Wild Rye				S1	8	87.4 ± 0.0	NS
P	<i>Torreyochloa pallida var. pallida</i>	Pale False Manna Grass				S1	2	48.9 ± 0.0	NS
P	<i>Adiantum pedatum</i>	Northern Maidenhair Fern				S1	10	64.4 ± 100.0	NS
P	<i>Dryopteris goldieana</i>	Goldie's Woodfern				S1	1	32.8 ± 1.0	NS
P	<i>Equisetum palustre</i>	Marsh Horsetail				S1	1	74.4 ± 5.0	NS
P	<i>Selaginella rupestris</i>	Rock Spikemoss				S1	25	85.5 ± 0.0	NS

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P	<i>Suaeda rolandii</i>	Roland's Sea-Blite				S1?	4	80.9 ± 0.0	NS
P	<i>Carex pensylvanica</i>	Pennsylvania Sedge				S1?	1	22.3 ± 10.0	NS
P	<i>Bolboschoenus robustus</i>	Sturdy Bulrush				S1?	1	64.6 ± 5.0	NS
P	<i>Juncus antheratus</i>	Greater Poverty Rush				S1?	1	52.5 ± 0.0	NS
P	<i>Allium schoenoprasum</i>	Wild Chives				S1?	2	79.8 ± 0.0	NS
P	<i>Allium schoenoprasum var. sibiricum</i>	Wild Chives				S1?	2	75.6 ± 7.0	NS
P	<i>Panicum dichotomiflorum ssp. puritanorum</i>	Spreading Panicgrass				S1?	17	19.1 ± 0.0	NS
P	<i>Huperzia selago</i>	Northern Firmoss				S1?	1	91.8 ± 1.0	NS
P	<i>Crocianthemum canadense</i>	Long-branched Frostweed			Endangered	S1S2	135	10.5 ± 0.0	NS
P	<i>Cypripedium arietinum</i>	Ram's-Head Lady's-Slipper			Endangered	S1S2	278	81.3 ± 0.0	NS
P	<i>Sanicula odorata</i>	Clustered Sanicle				S1S2	9	71.0 ± 2.0	NS
P	<i>Ageratina altissima</i>	White Snakeroot				S1S2	1	96.4 ± 0.0	NS
P	<i>Draba glabella</i>	Rock Whitlow-Grass				S1S2	4	91.8 ± 1.0	NS
P	<i>Cornus suecica</i>	Swedish Bunchberry				S1S2	2	57.3 ± 0.0	NS
P	<i>Proserpinaca intermedia</i>	Intermediate Mermaidweed				S1S2	4	30.0 ± 1.0	NS
P	<i>Carex haydenii</i>	Hayden's Sedge				S1S2	3	1.2 ± 0.0	NS
P	<i>Platanthera huronensis</i>	Fragrant Green Orchid				S1S2	1	92.5 ± 10.0	NS
P	<i>Euphrasia farlowii</i>	Farlow's Eyebright				S1S3	2	42.8 ± 0.0	NS
P	<i>Carex vacillans</i>	Estuarine Sedge				S1S3	1	65.9 ± 0.0	NS
P	<i>Antennaria parlinii ssp. fallax</i>	Parlin's Pussytoes				S2	24	7.7 ± 0.0	NS
P	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower				S2	14	61.1 ± 5.0	NS
P	<i>Rudbeckia laciniata var. laciniata</i>	Cut-Leaved Coneflower				S2	9	64.5 ± 2.0	NS
P	<i>Cardamine maxima</i>	Large Toothwort				S2	18	69.3 ± 4.0	NS
P	<i>Hudsonia ericoides</i>	Pinebarren Golden Heather				S2	201	21.0 ± 0.0	NS
P	<i>Desmodium canadense</i>	Canada Tick-trefoil				S2	9	33.6 ± 1.0	NS
P	<i>Hylodesmum glutinosum</i>	Large Tick-trefoil				S2	38	33.1 ± 0.0	NS
P	<i>Oxytropis campestris var. johannensis</i>	Field Locoweed				S2	26	94.9 ± 0.0	NS
P	<i>Conopholis americana</i>	American Cancer-root				S2	59	20.9 ± 0.0	NS
P	<i>Anemonastrum canadense</i>	Canada Anemone				S2	13	32.1 ± 1.0	NS
P	<i>Hepatica americana</i>	Round-lobed Hepatica				S2	44	21.2 ± 1.0	NS
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup				S2	20	43.9 ± 0.0	NS
P	<i>Galium boreale</i>	Northern Bedstraw				S2	6	51.9 ± 0.0	NS
P	<i>Dirca palustris</i>	Eastern Leatherwood				S2	60	84.5 ± 1.0	NS
P	<i>Carex livida</i>	Livid Sedge				S2	2	80.0 ± 10.0	NS
P	<i>Juncus greenei</i>	Greene's Rush				S2	4	67.8 ± 0.0	NS
P	<i>Allium tricoccum</i>	Wild Leek				S2	88	58.8 ± 0.0	NS
P	<i>Lilium canadense</i>	Canada Lily				S2	21	71.1 ± 1.0	NS
P	<i>Cypripedium parviflorum var. pubescens</i>	Yellow Lady's-slipper				S2	13	73.8 ± 1.0	NS
P	<i>Cypripedium parviflorum var. makasin</i>	Small Yellow Lady's-Slipper				S2	13	63.7 ± 0.0	NS
P	<i>Cypripedium reginae</i>	Showy Lady's-Slipper				S2	17	88.2 ± 0.0	NS
P	<i>Platanthera flava var. flava</i>	Southern Rein Orchid				S2	275	7.8 ± 0.0	NS
P	<i>Platanthera flava var. herbiola</i>	Pale Green Orchid				S2	25	12.7 ± 0.0	NS
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid				S2	3	42.2 ± 0.0	NS
P	<i>Cinna arundinacea</i>	Sweet Wood Reed Grass				S2	36	12.6 ± 0.0	NS
P	<i>Festuca subverticillata</i>	Nodding Fescue				S2	3	82.1 ± 7.0	NS
P	<i>Piptatheropsis pungens</i>	Slender Ricegrass				S2	12	1.1 ± 0.0	NS
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake				S2	2	80.0 ± 0.0	NS
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder				S2?	6	13.7 ± 0.0	NS
P	<i>Rumex persicarioides</i>	Peach-leaved Dock				S2?	5	48.4 ± 0.0	NS
P	<i>Crataegus submollis</i>	Quebec Hawthorn				S2?	3	59.2 ± 7.0	NS
P	<i>Carex peckii</i>	White-Tinged Sedge				S2?	1	88.3 ± 5.0	NS

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P	<i>Thuja occidentalis</i>	Eastern White Cedar			Vulnerable	S2S3	322	28.9 ± 0.0	NS
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely				S2S3	11	67.2 ± 0.0	NS
P	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane				S2S3	1	91.8 ± 0.0	NS
P	<i>Eutrochium dubium</i>	Coastal Plain Joe Pye Weed				S2S3	49	16.3 ± 0.0	NS
P	<i>Lactuca hirsuta</i>	Hairy Lettuce				S2S3	6	10.5 ± 0.0	NS
P	<i>Impatiens pallida</i>	Pale Jewelweed				S2S3	6	75.0 ± 7.0	NS
P	<i>Caulophyllum thalictroides</i>	Blue Cohosh				S2S3	46	59.1 ± 0.0	NS
P	<i>Boechnera stricta</i>	Drummond's Rockcress				S2S3	5	91.8 ± 0.0	NS
P	<i>Draba arabisans</i>	Rock Whitlow-Grass				S2S3	14	91.6 ± 0.0	NS
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort				S2S3	1	96.2 ± 1.0	NS
P	<i>Oxybasis rubra</i>	Red Goosefoot				S2S3	3	66.6 ± 0.0	NS
P	<i>Hypericum majus</i>	Large St John's-wort				S2S3	4	10.6 ± 0.0	NS
P	<i>Hypericum x dissimulatum</i>	Disguised St. John's-wort				S2S3	8	15.2 ± 0.0	NS
P	<i>Empetrum atropurpureum</i>	Purple Crowberry				S2S3	4	69.1 ± 7.0	NS
P	<i>Euphorbia polygonifolia</i>	Seaside Spurge				S2S3	16	37.4 ± 1.0	NS
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil				S2S3	9	18.4 ± 0.0	NS
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal				S2S3	56	8.7 ± 5.0	NS
P	<i>Oenothera fruticosa ssp. tetragona</i>	Narrow-leaved Evening Primrose				S2S3	26	37.2 ± 0.0	NS
P	<i>Polygala polygama</i>	Racemed Milkwort				S2S3	26	32.0 ± 0.0	NS
P	<i>Polygonum aviculare ssp. buxiforme</i>	Box Knotweed				S2S3	5	42.8 ± 0.0	NS
P	<i>Polygonum oxyspermum ssp. raii</i>	Ray's Knotweed				S2S3	8	35.8 ± 5.0	NS
P	<i>Polygonum oxyspermum</i>	Sharp-fruit Knotweed				S2S3	1	93.4 ± 0.0	NS
P	<i>Rumex triangulivalvis</i>	Triangular-valve Dock				S2S3	7	22.8 ± 1.0	NS
P	<i>Anemone quinquefolia</i>	Wood Anemone				S2S3	23	49.9 ± 0.0	NS
P	<i>Caltha palustris</i>	Yellow Marsh Marigold				S2S3	8	16.3 ± 0.0	NS
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry				S2S3	2	18.0 ± 7.0	NS
P	<i>Potentilla canadensis</i>	Canada Cinquefoil				S2S3	15	23.3 ± 0.0	NS
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw				S2S3	12	0.5 ± 0.0	NS
P	<i>Salix pellita</i>	Satiny Willow				S2S3	1	70.6 ± 7.0	NS
P	<i>Tiarella cordifolia</i>	Heart-leaved Foamflower				S2S3	10	82.4 ± 0.0	NS
P	<i>Boehmeria cylindrica</i>	Small-spike False-nettle				S2S3	48	12.6 ± 0.0	NS
P	<i>Carex adusta</i>	Lesser Brown Sedge				S2S3	4	45.6 ± 7.0	NS
P	<i>Carex capillaris</i>	Hairlike Sedge				S2S3	7	94.9 ± 0.0	NS
P	<i>Carex comosa</i>	Bearded Sedge				S2S3	10	65.6 ± 1.0	NS
P	<i>Carex houghtoniana</i>	Houghton's Sedge				S2S3	7	14.4 ± 0.0	NS
P	<i>Carex hystericina</i>	Porcupine Sedge				S2S3	7	58.2 ± 1.0	NS
P	<i>Carex longii</i>	Long's Sedge				S2S3	7	35.3 ± 10.0	NS
P	<i>Eleocharis ovata</i>	Ovate Spikerush				S2S3	5	31.5 ± 0.0	NS
P	<i>Scirpus pedicellatus</i>	Stalked Bulrush				S2S3	1	92.7 ± 5.0	NS
P	<i>Vallisneria americana</i>	Wild Celery				S2S3	11	13.6 ± 0.0	NS
P	<i>Najas gracillima</i>	Thread-Like Naiad				S2S3	22	11.1 ± 0.0	NS
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain				S2S3	90	5.9 ± 5.0	NS
P	<i>Spiranthes casei</i>	Case's Ladies'-Tresses				S2S3	2	10.5 ± 0.0	NS
P	<i>Spiranthes casei var. novaescotiae</i>	Case's Ladies'-Tresses				S2S3	12	45.6 ± 7.0	NS
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses				S2S3	9	57.9 ± 1.0	NS
P	<i>Potamogeton friesii</i>	Fries' Pondweed				S2S3	8	74.2 ± 2.0	NS
P	<i>Botrychium lanceolatum ssp. angustisegmentum</i>	Narrow Triangle Moonwort				S2S3	7	74.1 ± 0.0	NS
P	<i>Botrychium simplex</i>	Least Moonwort				S2S3	5	43.8 ± 1.0	NS
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue				S2S3	7	51.1 ± 7.0	NS
P	<i>Potamogeton pulcher</i>	Spotted Pondweed			Vulnerable	S3	30	2.9 ± 0.0	NS
P	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley				S3	7	54.0 ± 0.0	NS
P	<i>Iva frutescens</i>	Big-leaved Marsh-elder				S3	33	78.0 ± 0.0	NS
P	<i>Senecio pseudoarnica</i>	Seabeach Ragwort				S3	2	78.4 ± 0.0	NS