

APPENDIX C

Atlantic Canada Conservation Data Centre (ACCDC) – Data
Report, Plantlist, Habitat Photos, Wetland Delineation
Datasheets & Photos, Wetland Functional Analysis

ACCDC - Data Report

DATA REPORT 5712: Cap Pele, NB

Prepared 7 December 2016
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1.0 PREFACE

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

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

1.1 DATA LIST

Included datasets:

Filename	Contents
CpPeleNB_5712ob.xls	All Rare and legally protected <i>Flora and Fauna</i> within 5 km of your study area
CpPeleNB_5712ob100km.xls	A list of Rare and legally protected <i>Flora and Fauna</i> within 100 km of your study area
CpPeleNB_5712ma.xls	All <i>Managed Areas</i> in your study area

1.2 RESTRICTIONS

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

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

1.3 ADDITIONAL INFORMATION

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

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

Plants, Lichens, Ranking Methods, All other Inquiries

Sean Blaney, Senior Scientist, Executive Director

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

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

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

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

2.0 RARE AND ENDANGERED SPECIES

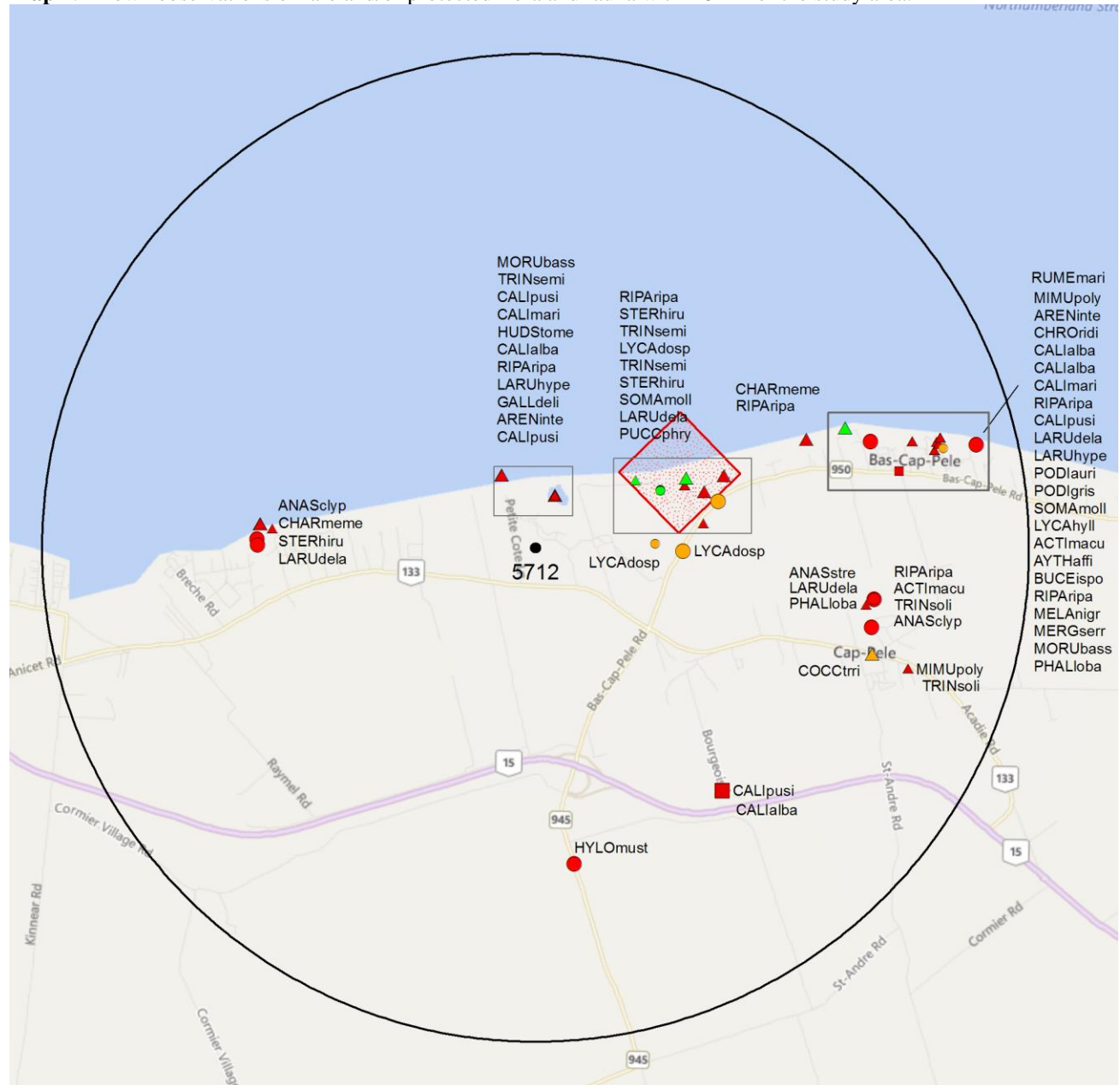
2.1 FLORA

A 5 km buffer around the study area contains 6 records of 3 vascular, no records of nonvascular flora (Map 2 and attached: *ob.xls).

2.2 FAUNA

A 5 km buffer around the study area contains 171 records of 27 vertebrate, 5 records of 3 invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

Map 2: Known observations of rare and/or protected flora and fauna within 5 km of the study area.



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

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

3.0 SPECIAL AREAS

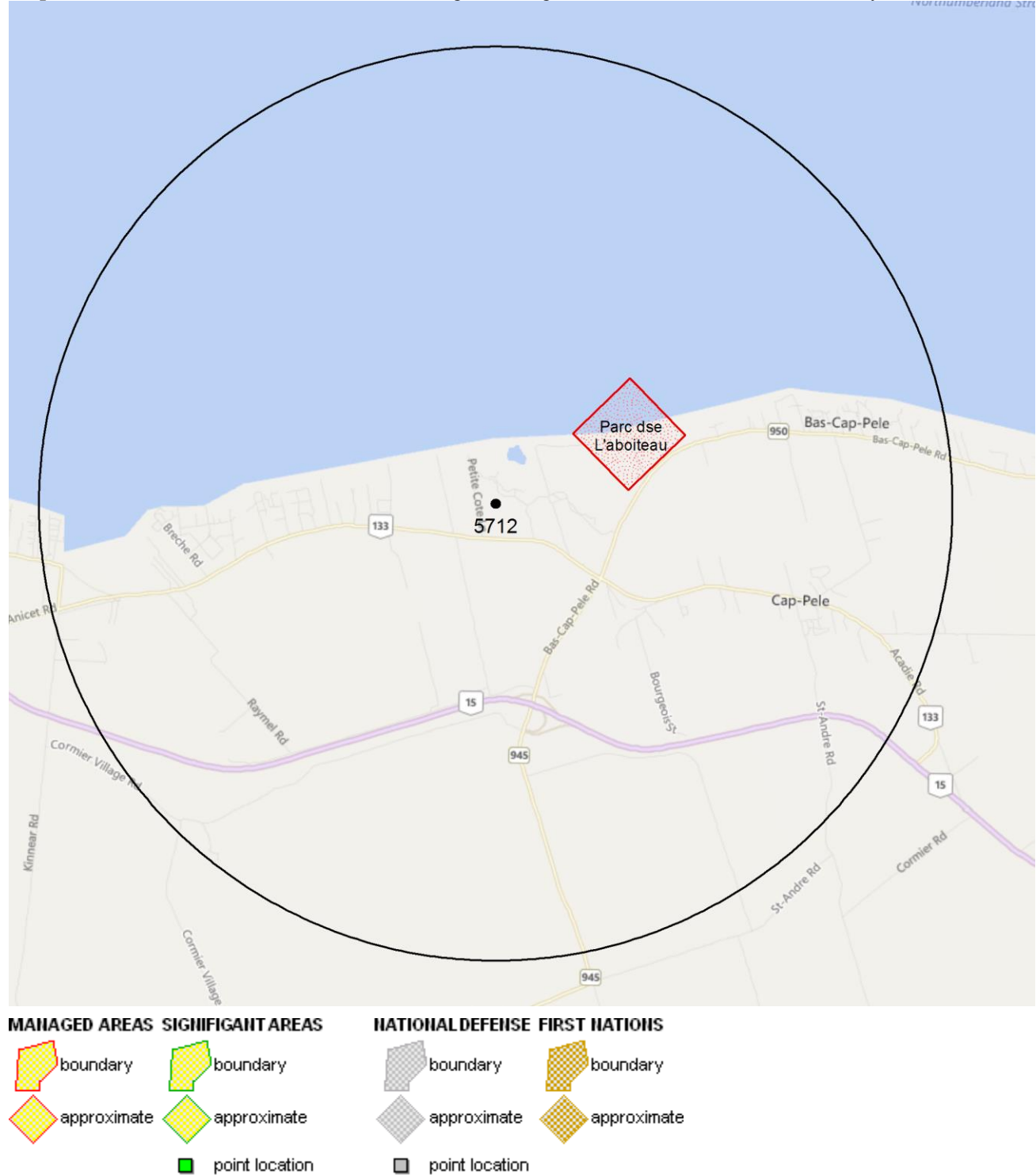
3.1 MANAGED AREAS

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

3.2 SIGNIFICANT AREAS

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

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



4.0 RARE SPECIES LISTS

Rare and/or endangered taxa (excluding "location-sensitive" species, section 4.3) within the 5 km-buffered area listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (\pm the precision, in km, of the record). [P] = vascular plant, [N] = nonvascular plant, [A] = invertebrate animal, [I] = vertebrate animal, [C] = community. Note: records are from attached files *ob.xls/*ob.shp only.

4.1 FLORA

Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
<i>Puccinellia phryganodes</i>	Creeping Alkali Grass				S2	3 Sensitive	1	1.7 \pm 1.0
<i>Hudsonia tomentosa</i>	Woolly Beach-heath				S3	4 Secure	4	1.2 \pm 0.0
<i>Rumex maritimus</i>	Sea-Side Dock				S3S4	4 Secure	1	3.4 \pm 1.0

4.2 FAUNA

Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
<i>Charadrius melodus melodus</i>	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B,S1M	1 At Risk	9	2.7 \pm 0.0
<i>Hylodichla mustelina</i>	Wood Thrush	Threatened		Threatened	S1S2B,S1S2M	2 May Be At Risk	2	3.2 \pm 0.0
<i>Riparia riparia</i>	Bank Swallow	Threatened			S2S3B,S2S3M	3 Sensitive	11	0.6 \pm 0.0
<i>Bucephala islandica (Eastern pop.)</i>	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	3 Sensitive	3	4.3 \pm 0.0
<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern	Special Concern	S3M	3 Sensitive	3	3.4 \pm 0.0
<i>Podiceps auritus</i>	Horned Grebe	Special Concern		Special Concern	S4N,S4M	4 Secure	3	4.0 \pm 0.0
<i>Sterna hirundo</i>	Common Tern	Not At Risk			S3B,SUM	3 Sensitive	5	0.6 \pm 0.0
<i>Podiceps grisegena</i>	Red-necked Grebe	Not At Risk			S3M,S2N	3 Sensitive	3	4.3 \pm 0.0
<i>Aythya affinis</i>	Lesser Scaup	Not At Risk			S1B,S4M	4 Secure	1	4.3 \pm 0.0
<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S1N,S2M	3 Sensitive	1	4.0 \pm 0.0
<i>Mimus polyglottos</i>	Northern Mockingbird				S2B,S2M	3 Sensitive	4	3.8 \pm 7.0
<i>Anas strepera</i>	Gadwall				S2B,S3M	4 Secure	4	3.5 \pm 0.0
<i>Tringa solitaria</i>	Solitary Sandpiper				S2B,S5M	4 Secure	3	3.5 \pm 0.0
<i>Larus hyperboreus</i>	Glaucous Gull				S2N,S2M	4 Secure	24	0.6 \pm 0.0
<i>Anas clypeata</i>	Northern Shoveler				S2S3B,S2S3M	4 Secure	6	2.8 \pm 1.0
<i>Tringa semipalmata</i>	Willet				S3B,S3M	3 Sensitive	4	0.6 \pm 0.0
<i>Somateria mollissima</i>	Common Eider				S3B,S4M,S3N	4 Secure	4	1.6 \pm 0.0
<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	4 Secure	1	4.3 \pm 0.0
<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	4 Secure	4	0.8 \pm 2.0
<i>Melanitta nigra</i>	Black Scoter				S3M,S1S2N	3 Sensitive	8	4.2 \pm 0.0
<i>Calidris maritima</i>	Purple Sandpiper				S3M,S3N	4 Secure	2	0.6 \pm 1.0
<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	4 Secure	6	3.5 \pm 0.0
<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B,S5M	4 Secure	1	0.6 \pm 0.0
<i>Larus delawarensis</i>	Ring-billed Gull				S3S4B,S5M	4 Secure	9	0.6 \pm 0.0
<i>Calidris pusilla</i>	Semipalmated Sandpiper				S3S4M	4 Secure	7	0.6 \pm 0.0
<i>Calidris alba</i>	Sanderling				S3S4M,S1N	3 Sensitive	34	0.6 \pm 1.0
<i>Morus bassanus</i>	Northern Gannet				SHB,S5M	4 Secure	9	0.6 \pm 0.0
<i>Lycaena hyllus</i>	Bronze Copper				S3	3 Sensitive	1	4.3 \pm 0.0
<i>Lycaena dospassosi</i>	Salt Marsh Copper				S3	4 Secure	3	1.2 \pm 0.0
<i>Coccinella transversoguttata richardsoni</i>	Transverse Lady Beetle				SH	2 May Be At Risk	1	3.6 \pm 1.0

4.3 LOCATION SENSITIVE SPECIES

The Department of Natural Resources in each Maritimes province considers a number of species ‘location sensitive’. Concern about exploitation of location-sensitive species precludes inclusion of precise coordinates in this report. Those intersecting a 5 km buffer of your study area are indicated below with ‘‘YES’’.

New Brunswick Scientific Name	Common Name	SARA	Prov Legal Prot	Known within 5 km of Study Site?
<i>Chrysemys picta picta</i>	Eastern Painted Turtle			No
<i>Chelydra serpentina</i>	Snapping Turtle		Special Concern	No
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	No
<i>Haliaeetus leucocephalus</i>	Bald Eagle		Endangered	YES
<i>Falco peregrinus</i> pop. 1	Peregrine Falcon - anatum/tundrius pop.	Special Concern	Endangered	No
<i>Cicindela marginipennis</i>	Cobblesone Tiger Beetle	Endangered	Endangered	No
<i>Coenonympha nipisiquit</i>	Maritime Ringlet	Endangered	Endangered	No
<i>Bat Hibernaculum</i>		[Endangered]'	[Endangered]'	No

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

4.4 SOURCE BIBLIOGRAPHY

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

# recs	CITATION
155	eBird Basic Dataset. Version: EBD_relnov-2014. Ithaca, New York. Nov 2014. Cornell Lab of Ornithology. 25036 recs.
8	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
5	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
2	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
2	Klymko, J.J.D. 2014. Maritimes Butterfly Atlas, 2012 submissions. Atlantic Canada Conservation Data Centre, 8552 records.
2	Robinson, S.L. 2010. Fieldwork 2009 (dune ecology). Atlantic Canada Conservation Data Centre, Sackville NB, 408 recs.
1	Benedict, B. Connell Herbarium Specimens (Data) . University New Brunswick, Fredericton, 2003.
1	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton, 2003.
1	Canadian Wildlife Service, Dartmouth, 2010. Piping Plover censuses 2007-09, 304 recs.
1	Klymko, J.J.D. 2012. Maritimes Butterfly Atlas, 2010 and 2011 records. Atlantic Canada Conservation Data Centre, 6318 recs.
1	Majka, C. 2009. Université de Moncton Insect Collection: Carabidae, Cerambycidae, Coccinellidae. Université de Moncton, 540 recs.
1	Mazerolle, D. 2003. Assessment of Seaside Pinweed (<i>Lechea maritima</i> var. <i>subcylindrica</i>) in Southeastern New Brunswick. Irving Eco-centre, la Dune du Boutouché, 18 recs.
1	Mazerolle, D.M. 2005. Boutouché Irving Eco-Centre rare coastal plant fieldwork results 2004-05. Irving Eco-centre, la Dune du Boutouché, 174 recs.
1	NSDNR website
1	Webster, R.P. & Edsall, J. 2007. 2005 New Brunswick Rare Butterfly Survey. Environmental Trust Fund, unpublished report, 232 recs.

5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 36858 records of 129 vertebrate and 582 records of 55 invertebrate fauna; 4589 records of 268 vascular, 597 records of 164 nonvascular flora (attached: *ob100km.xls).

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

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	Endangered	Endangered	S1	1 At Risk	50	41.4 \pm 1.0	NB
A	<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	Endangered	Endangered	Endangered	S1	1 At Risk	60	41.4 \pm 1.0	NB
A	<i>Perimyotis subflavus</i>	Eastern Pipistrelle	Endangered	Endangered	Endangered	S1	1 At Risk	11	45.9 \pm 0.0	NB
A	<i>Charadrius melodus melodus</i>	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B,S1M	1 At Risk	2649	2.7 \pm 0.0	NB
A	<i>Dermochelys coriacea</i> (Atlantic pop.)	Leatherback Sea Turtle - Atlantic pop.	Endangered	Endangered	Endangered	S1S2N	1 At Risk	5	11.8 \pm 1.0	NB
A	<i>Salmo salar</i> pop. 1	Atlantic Salmon - Inner Bay of Fundy pop.	Endangered	Endangered	Endangered	S2	2 May Be At Risk	40	52.8 \pm 0.0	NS
A	<i>Callidris canutus rufa</i>	Red Knot rufa ssp	Endangered	Endangered	Endangered	S2M	1 At Risk	1001	11.1 \pm 0.0	NB
A	<i>Rangifer tarandus</i> pop. 2	Woodland Caribou (Atlantic-Gasp F-rsie pop.)	Endangered	Endangered	Extirpated	SX	0.1 Extirpated	2	58.0 \pm 1.0	NB
A	<i>Sturnella magna</i>	Eastern Meadowlark	Threatened	Threatened	Threatened	S1B,S1M	2 May Be At Risk	32	28.9 \pm 1.0	NB
A	<i>Ixobrychus exilis</i>	Least Bittern	Threatened	Threatened	Threatened	S1S2B,S1S2M	1 At Risk	13	28.9 \pm 0.0	NB
A	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	Threatened	Threatened	S1S2B,S1S2M	2 May Be At Risk	42	3.2 \pm 0.0	NB
A	<i>Caprimulgus vociferus</i>	Whip-Poor-Will	Threatened	Threatened	Threatened	S2B,S2M	1 At Risk	17	35.9 \pm 7.0	NB
A	<i>Catharus bicknelli</i>	Bicknell's Thrush	Threatened	Special Concern	Threatened	S2B,S2M	1 At Risk	8	35.1 \pm 2.0	NB
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	Threatened	S2S3	1 At Risk	381	22.0 \pm 0.0	NB
A	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	Threatened	Threatened	S2S3B,S2M	1 At Risk	119	15.2 \pm 7.0	NB
A	<i>Riparia riparia</i>	Bank Swallow	Threatened	Threatened	Threatened	S2S3B,S2S3M	3 Sensitive	749	0.6 \pm 0.0	NB
A	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Threatened	Threatened	Threatened	S3	4 Secure	1	58.9 \pm 1.0	NB
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened	Threatened	Threatened	S3B,S3M	3 Sensitive	1069	6.0 \pm 7.0	NB
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened	Threatened	Threatened	S3B,S3M	3 Sensitive	1073	6.0 \pm 7.0	NB
A	<i>Chordeiles minor</i>	Common Nighthawk	Threatened	Threatened	Threatened	S3B,S4M	1 At Risk	173	15.2 \pm 7.0	NB
A	<i>Cortopus cooperi</i>	Olive-sided Flycatcher	Threatened	Threatened	Threatened	S3S4B,S3S4M	1 At Risk	468	12.1 \pm 0.0	NB
A	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	Threatened	Threatened	S3S4B,S3S4M	1 At Risk	451	6.0 \pm 7.0	NB
A	<i>Anguilla rostrata</i>	American Eel	Threatened	Threatened	Threatened	S4	4 Secure	78	42.2 \pm 1.0	NB
A	<i>Coturnicops noveboracensis</i>	Yellow Rail	Special Concern	Special Concern	Special Concern	S1?B,SUM	2 May Be At Risk	5	28.9 \pm 1.0	NB
A	<i>Falco peregrinus</i> pop. 1	Peregrine Falcon - anatum/tundrius	Special Concern	Special Concern	Endangered	S1B,S3M	1 At Risk	255	5.1 \pm 0.0	NB
A	<i>Asio flammeus</i>	Short-eared Owl	Special Concern	Special Concern	Special Concern	S2B,S2M	3 Sensitive	48	30.0 \pm 1.0	NB
A	<i>Bucephala islandica</i> (Eastern pop.)	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	3 Sensitive	108	4.3 \pm 0.0	NB
A	<i>Balaenoptera physalus</i>	Fin Whale - Atlantic pop.	Special Concern	Special Concern	Special Concern	S2S3	3 Sensitive	1	77.3 \pm 1.0	NB
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern	Special Concern	Special Concern	S3	2 May Be At Risk	1	90.0 \pm 0.0	NS
A	<i>Euphagus carolinus</i>	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	3 Sensitive	80	29.8 \pm 4.0	NB
A	<i>Phalaropus lobatus</i>	Red-necked Phalarope	Special Concern	Special Concern	Special Concern	S3M	3 Sensitive	24	3.4 \pm 0.0	NB
A	<i>Cortopus virens</i>	Eastern Wood-Pewee	Special Concern	Special Concern	Special Concern	S4B,S4M	4 Secure	562	6.0 \pm 7.0	NB
A	<i>Podiceps auritus</i>	Horned Grebe	Special Concern	Special Concern	Special Concern	S4N,S4M	4 Secure	49	4.0 \pm 0.0	NB
A	<i>Hemidactylum scutatum</i>	Four-toed Salamander	Not At Risk	Not At Risk	Not At Risk	S1?	5 Undetermined	5	75.2 \pm 0.0	NS
A	<i>Bubo scandiacus</i>	Snowy Owl	Not At Risk	Not At Risk	Not At Risk	S1N,S2S3M	4 Secure	50	11.1 \pm 1.0	NB
A	<i>Accipiter cooperi</i>	Cooper's Hawk	Not At Risk	Not At Risk	Not At Risk	S1S2B,S1S2M	2 May Be At Risk	3	25.7 \pm 5.0	NB
A	<i>Fulica americana</i>	American Coot	Not At Risk	Not At Risk	Not At Risk	S1S2B,S1S2M	3 Sensitive	57	20.9 \pm 7.0	NB
A	<i>Aegolius funereus</i>	Boreal Owl	Not At Risk	Not At Risk	Not At Risk	S1S2B,SUM	2 May Be At Risk	13	26.0 \pm 0.0	NB

Taxonomic Group	Scientific Name	Common Name	SARA	COSEWIC	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>Sorex dispar</i>	Long-tailed Shrew	Special Concern	Not At Risk		S2	3 Sensitive	5	58.7 ± 1.0	NB
A	<i>Buteo lineatus</i>	Red-shouldered Hawk	Special Concern	Not At Risk		S2B, S2M	2 May Be At Risk	12	29.9 ± 0.0	NB
A	<i>Chlidonias niger</i>	Black Tern		Not At Risk		S2B, S2M	3 Sensitive	44	13.9 ± 1.0	NB
A	<i>Lynx canadensis</i>	Canadian Lynx		Not At Risk	Endangered	S3	1 At Risk	13	46.4 ± 1.0	NB
A	<i>Desmognathus fuscus</i>	Northern Dusky Salamander		Not At Risk		S3	3 Sensitive	1	88.3 ± 0.0	NB
A	<i>Sterna hirundo</i>	Common Tern		Not At Risk		S3B, SUM	3 Sensitive	697	0.6 ± 0.0	NB
A	<i>Podiceps grisegena</i>	Red-necked Grebe		Not At Risk		S3M, S2N	3 Sensitive	50	4.3 ± 0.0	NB
A	<i>Legionorhynchus acutus</i>	Atlantic White-sided Dolphin		Not At Risk		S3S4		2	45.4 ± 1.0	NB
A	<i>Haliaeetus leucocephalus</i>	Bald Eagle		Not At Risk	Endangered	S4	1 At Risk	1111	0.6 ± 0.0	NB
A	<i>Canis lupus</i>	Gray Wolf		Not At Risk	Extirpated	SX	0.1 Extirpated	1	85.5 ± 100.0	NB
A	<i>Puma concolor</i> , pop. 1	Cougar - Eastern pop.		Data Deficient	Endangered	SU	5 Undetermined	109	25.1 ± 1.0	NB
A	<i>Morone saxatilis</i>	Striped Bass		E, E, SC		S3	2 May Be At Risk	39	58.9 ± 0.0	NB
A	<i>Tringa melanoleuca</i>	Greater Yellowlegs				S17B, S5M	4 Secure	3057	5.1 ± 0.0	NB
A	<i>Gallinula chloropus</i>	Common Moorhen				S1B, S1M	3 Sensitive	32	34.5 ± 0.0	NB
A	<i>Bartramia longicauda</i>	Upland Sandpiper				S1B, S1M	3 Sensitive	48	26.9 ± 7.0	NB
A	<i>Phalaropus tricolor</i>	Wilson's Phalarope				S1B, S1M	3 Sensitive	59	13.3 ± 0.0	NB
A	<i>Leucophaeus atricilla</i>	Laughing Gull				S1B, S1M	3 Sensitive	9	5.1 ± 0.0	NB
A	<i>Progne subis</i>	Purple Martin				S1B, S1M	2 May Be At Risk	77	13.6 ± 7.0	NB
A	<i>Oxyura jamaicensis</i>	Ruddy Duck				S1B, S2S3M	4 Secure	103	12.9 ± 0.0	NB
A	<i>Aythya affinis</i>	Lesser Scaup				S1B, S4M	4 Secure	164	4.3 ± 0.0	NB
A	<i>Aythya marila</i>	Greater Scaup				S1B, S4M, S2N	4 Secure	13	13.0 ± 1.0	NB
A	<i>Eremophila alpestris</i>	Horned Lark				S1B, S4N, S5M	2 May Be At Risk	63	13.9 ± 1.0	NB
A	<i>Sterna paradisaea</i>	Arctic Tern				S1B, SUM	2 May Be At Risk	44	24.1 ± 7.0	NB
A	<i>Fratercula arctica</i>	Atlantic Puffin				S1B, SUN, SUM	3 Sensitive	3	48.0 ± 0.0	NB
A	<i>Branta bernicla</i>	Brant				S1N, S2S3M	4 Secure	34	13.9 ± 1.0	NB
A	<i>Chroicocephalus ridibundus</i>	Black-headed Gull				S1N, S2M	3 Sensitive	13	4.0 ± 0.0	NB
A	<i>Butorides virescens</i>	Green Heron				S1S2B, S1S2M	3 Sensitive	5	36.0 ± 0.0	NB
A	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron				S1S2B, S1S2M	3 Sensitive	5	15.8 ± 0.0	NB
A	<i>Empidonax traillii</i>	Willow Flycatcher				S1S2B, S1S2M	3 Sensitive	51	24.1 ± 0.0	NB
A	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow				S1S2B, S1S2M	2 May Be At Risk	4	47.3 ± 0.0	NS
A	<i>Troglodytes aedon</i>	House Wren				S1S2B, S1S2M	5 Undetermined	11	24.1 ± 7.0	NB
A	<i>Rissa tridactyla</i>	Black-legged Kittiwake				S1S2B, S4N, S5M	4 Secure	2	31.5 ± 0.0	NB
A	<i>Calliris bairdii</i>	Baird's Sandpiper				S1S2M	3 Sensitive	53	11.1 ± 0.0	NB
A	<i>Cistothorus palustris</i>	Marsh Wren				S2B, S2M	3 Sensitive	43	23.1 ± 1.0	NB
A	<i>Mimus polyglottos</i>	Northern Mockingbird				S2B, S2M	3 Sensitive	135	3.8 ± 7.0	NB
A	<i>Toxostoma rufum</i>	Brown Thrasher				S2B, S2M	3 Sensitive	24	20.1 ± 7.0	NB
A	<i>Pooecetes gramineus</i>	Vesper Sparrow				S2B, S2M	2 May Be At Risk	110	20.1 ± 7.0	NB
A	<i>Anas strepera</i>	Gadwall				S2B, S3M	4 Secure	263	3.5 ± 0.0	NB
A	<i>Pinicola enucleator</i>	Pine Grosbeak				S2B, S4S5N, S4S	3 Sensitive	31	16.2 ± 7.0	NB
A	<i>Tringa solitaria</i>	Solitary Sandpiper				S2B, S5M	4 Secure	170	3.5 ± 0.0	NB
A	<i>Oceanodroma leucorhoa</i>	Leach's Storm-Petrel				S2B, SUM	3 Sensitive	1	5.1 ± 0.0	NB
A	<i>Chen caerulescens</i>	Snow Goose				S2M	4 Secure	22	13.0 ± 1.0	NB
A	<i>Phalacrocorax carbo</i>	Great Cormorant				S2N, S2M	4 Secure	89	16.6 ± 1.0	NB
A	<i>Somateria spectabilis</i>	King Eider				S2N, S2M	4 Secure	4	11.1 ± 1.0	NB
A	<i>Larus hyperboreus</i>	Glaucous Gull				S2N, S2M	4 Secure	92	0.6 ± 0.0	NB
A	<i>Asio otus</i>	Long-eared Owl				S2S3	5 Undetermined	27	30.3 ± 7.0	NB
A	<i>Picoides dorsalis</i>	American Three-toed Woodpecker				S2S3	3 Sensitive	18	57.3 ± 0.0	NS
A	<i>Salmo salar</i>	Atlantic Salmon				S2S3	2 May Be At Risk	60	35.8 ± 1.0	NB
A	<i>Anas clypeata</i>	Northern Shoveler				S2S3B, S2S3M	4 Secure	273	2.8 ± 1.0	NB
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher				S2S3B, S2S3M	3 Sensitive	25	14.4 ± 7.0	NB
A	<i>Petrochelidon</i>	Cliff Swallow				S2S3B, S2S3M	3 Sensitive	429	5.5 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	<i>pyrrhonota</i>									
A	<i>Pluvialis dominica</i>	American Golden-Plover				S2S3M	3 Sensitive	285	11.1 ± 0.0	NB
A	<i>Calcarius lapponicus</i>	Lapland Longspur				S2S3N,SUM	3 Sensitive	42	11.1 ± 1.0	NB
A	<i>Cephus grylle</i>	Black Guillemot				S3	4 Secure	52	22.4 ± 7.0	PE
A	<i>Loxia curvirostra</i>	Red Crossbill				S3	4 Secure	110	11.3 ± 7.0	NB
A	<i>Carduelis pinus</i>	Pine Siskin				S3	4 Secure	282	6.0 ± 7.0	NB
A	<i>Sorex maritimensis</i>	Maritime Shrew				S3	4 Secure	142	34.2 ± 1.0	NB
A	<i>Eptesicus fuscus</i>	Big Brown Bat				S3	3 Sensitive	5	34.8 ± 10.0	NB
A	<i>Cathartes aura</i>	Turkey Vulture				S3B,S3M	4 Secure	107	13.3 ± 4.0	NB
A	<i>Rallus limicola</i>	Virginia Rail				S3B,S3M	3 Sensitive	91	14.9 ± 0.0	NB
A	<i>Charadrius vociferus</i>	Killdeer				S3B,S3M	3 Sensitive	970	5.1 ± 0.0	NB
A	<i>Tringa semipalmata</i>	Willet				S3B,S3M	3 Sensitive	1503	0.6 ± 0.0	NB
A	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo				S3B,S3M	4 Secure	107	6.0 ± 7.0	NB
A	<i>Vireo gilvus</i>	Warbling Vireo				S3B,S3M	4 Secure	48	34.2 ± 7.0	NB
A	<i>Piranga olivacea</i>	Scarlet Tanager				S3B,S3M	4 Secure	33	28.5 ± 0.0	NB
A	<i>Passerina cyanea</i>	Indigo Bunting				S3B,S3M	4 Secure	22	42.0 ± 7.0	NB
A	<i>Molothrus ater</i>	Brown-headed Cowbird				S3B,S3M	2 May Be At Risk	249	6.0 ± 7.0	NB
A	<i>Icterus galbula</i>	Baltimore Oriole				S3B,S3M	4 Secure	78	16.6 ± 1.0	NB
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak				S3B,S3S4N,SUM	3 Sensitive	220	16.2 ± 7.0	NB
A	<i>Somateria mollissima</i>	Common Eider				S3B,S4M,S3N	4 Secure	188	1.6 ± 0.0	NB
A	<i>Dendroica tigrina</i>	Cape May Warbler				S3B,S4S5M	4 Secure	240	6.0 ± 7.0	NB
A	<i>Anas acuta</i>	Northern Pintail				S3B,S5M	3 Sensitive	141	6.0 ± 7.0	NB
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	4 Secure	288	4.3 ± 0.0	NB
A	<i>Arenaria interpres</i>	Ruddy Turnstone				S3M	4 Secure	1588	0.8 ± 2.0	NB
A	<i>Phalaropus fulicarius</i>	Red Phalarope				S3M	3 Sensitive	5	50.6 ± 0.0	NB
A	<i>Melanitta nigra</i>	Black Scoter				S3M,S1S2N	3 Sensitive	258	4.2 ± 0.0	NB
A	<i>Bucephala albeola</i>	Bufflehead				S3M,S2N	3 Sensitive	108	6.4 ± 0.0	NB
A	<i>Colaptes auratus</i>	Purple Sandpiper				S3M,S3N	4 Secure	72	0.6 ± 1.0	NB
A	<i>Synaptornis cooperi</i>	Southern Bog Lemming				S3S4	4 Secure	27	66.5 ± 1.0	NB
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B,S3S4M	3 Sensitive	468	6.0 ± 7.0	NB
A	<i>Actitis macularia</i>	Spotted Sandpiper				S3S4B,S5M	4 Secure	968	3.5 ± 0.0	NB
A	<i>Gallinago delicata</i>	Wilson's Snipe				S3S4B,S5M	4 Secure	701	0.6 ± 0.0	NB
A	<i>Larus delawarensis</i>	Ring-billed Gull				S3S4B,S5M	4 Secure	263	0.6 ± 0.0	NB
A	<i>Dendroica striata</i>	Blackpoll Warbler				S3S4B,S5M	4 Secure	52	14.4 ± 7.0	NB
A	<i>Pluvialis squatarola</i>	Black-bellied Plover				S3S4M	4 Secure	2859	6.0 ± 0.0	NB
A	<i>Limosa haemastfica</i>	Hudsonian Godwit				S3S4M	4 Secure	778	11.1 ± 0.0	NB
A	<i>Callidris pusilla</i>	Semipalmated Sandpiper				S3S4M	4 Secure	3177	0.6 ± 0.0	NB
A	<i>Callidris alba</i>	Pectoral Sandpiper				S3S4M	4 Secure	471	11.1 ± 0.0	NB
A	<i>Morus bassanus</i>	Sanderling				S3S4M,S1N	3 Sensitive	2184	0.6 ± 1.0	NB
A	<i>Lanius ludovicianus</i>	Northern Gannet				SHB,S5M	4 Secure	172	0.6 ± 0.0	NB
A	<i>Gomphus ventricosus</i>	Loggerhead Shrike				SHB,S5M	1 At Risk	1	40.1 ± 0.0	NB
I	<i>Alasmidonta varicosa</i>	Skillet Clubtail	Endangered		Endangered	S1S2	2 May Be At Risk	1	96.3 ± 0.0	NB
I	<i>Bombus terricola</i>	Brook Floater	Special Concern		Special Concern	S2	3 Sensitive	32	43.8 ± 1.0	NB
I	<i>Danaus plexippus</i>	Yellow-banded Bumblebee	Special Concern		Special Concern	S3?	3 Sensitive	9	38.6 ± 1.0	NS
I	<i>Eriora laeta</i>	Monarch	Special Concern		Special Concern	S3B,S3M	3 Sensitive	73	13.1 ± 1.0	NB
I	<i>Leucorrhinia patricia</i>	Early Hairstreak	Special Concern		Special Concern	S1	2 May Be At Risk	2	41.5 ± 1.0	NB
I	<i>Plebejus saepiolus</i>	Canada Whiteface	Special Concern		Special Concern	S1	2 May Be At Risk	7	80.4 ± 1.0	NB
I	<i>Satyrium calanus</i>	Greenish Blue	Special Concern		Special Concern	S1S2	4 Secure	1	73.3 ± 1.0	NB
I	<i>Strymon melinus</i>	Banded Hairstreak	Special Concern		Special Concern	S2	3 Sensitive	1	92.6 ± 0.0	PE
I	<i>Somatochlora brevicincta</i>	Grey Hairstreak	Special Concern		Special Concern	S2	4 Secure	1	50.5 ± 1.0	NB
I	<i>Somatochlora tenebrosa</i>	Quebec Emerald	Special Concern		Special Concern	S2	5 Undetermined	2	50.8 ± 0.0	NB
I	<i>Somatochlora Ladona exusta</i>	Clamp-Tipped Emerald	Special Concern		Special Concern	S2	5 Undetermined	6	22.6 ± 1.0	NB
I		White Corporal	Special Concern		Special Concern	S2	5 Undetermined	2	67.0 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
I	<i>Coenagrion interogratum</i>	Subarctic Bluet			S2	3 Sensitive	3	96.9 ± 1.0	NB	
I	<i>Callophrys hennici</i>	Henry's Elfin			S2S3	4 Secure	8	39.9 ± 0.0	NB	
I	<i>Agonum consimile</i>	a Ground Beetle			S3	4 Secure	1	37.9 ± 1.0	NB	
I	<i>Amara pallipes</i>	a Ground Beetle			S3	4 Secure	2	37.9 ± 1.0	NB	
I	<i>Calathus gregarius</i>	a Ground Beetle			S3	4 Secure	1	88.0 ± 1.0	NB	
I	<i>Dyschirius setosus</i>	a Ground Beetle			S3	5 Undetermined	3	61.5 ± 0.0	NB	
I	<i>Elaphrus americanus</i>	a Ground Beetle			S3	4 Secure	1	67.3 ± 0.0	NB	
I	<i>Lachnocrepis parallela</i>	a Ground Beetle			S3	4 Secure	1	61.5 ± 0.0	NB	
I	<i>Agonum crenistratum</i>	a Ground Beetle			S3	5 Undetermined	1	37.9 ± 1.0	NB	
I	<i>Harpalus fulvibris</i>	a Ground Beetle			S3	4 Secure	1	66.5 ± 0.0	NB	
I	<i>Carabus maeander</i>	a Ground Beetle			S3	5 Undetermined	1	37.9 ± 1.0	NB	
I	<i>Carabus serratus</i>	a Ground Beetle			S3	4 Secure	1	42.4 ± 1.0	NB	
I	<i>Hippodamia parenthesis</i>	Parenthesis Lady Beetle			S3	4 Secure	6	37.9 ± 1.0	NB	
I	<i>Trachysida aspera</i>	a Longhorned Beetle			S3	4 Secure	1	72.9 ± 0.0	NB	
I	<i>Hesperia sassacus</i>	Indian Skipper			S3	4 Secure	1	78.9 ± 5.0	NB	
I	<i>Euphyes bimacula</i>	Two-spotted Skipper			S3	4 Secure	6	34.9 ± 1.0	NB	
I	<i>Papilio brevicauda</i>	Short-tailed Swallowtail			S3	4 Secure	6	42.3 ± 7.0	NB	
I	<i>Papilio brevicauda bretonensis</i>	Short-tailed Swallowtail			S3	4 Secure	5	11.2 ± 0.0	NB	
I	<i>Lycaena hyllus</i>	Bronze Copper			S3	3 Sensitive	79	4.3 ± 0.0	NB	
I	<i>Lycaena dospassosi</i>	Salt Marsh Copper			S3	4 Secure	101	1.2 ± 0.0	NB	
I	<i>Satyrium acadica</i>	Acadian Hairstreak			S3	4 Secure	6	34.4 ± 1.0	NB	
I	<i>Callophrys polios</i>	Hoary Elfin			S3	4 Secure	6	25.2 ± 0.0	NB	
I	<i>Plebejus idas</i>	Northern Blue			S3	4 Secure	17	33.4 ± 0.0	NS	
I	<i>Plebejus idas empetri</i>	Crowberry Blue			S3	4 Secure	5	31.6 ± 0.0	NB	
I	<i>Speyeria aphrodite</i>	Aphrodite Fritillary			S3	4 Secure	10	39.2 ± 0.0	NB	
I	<i>Boloria chariclea</i>	Arctic Fritillary			S3	4 Secure	10	38.9 ± 1.0	NB	
I	<i>Polygonia satyrus</i>	Satyr Comma			S3	4 Secure	2	74.5 ± 2.0	PE	
I	<i>Polygonia gracilis</i>	Hoary Comma			S3	4 Secure	1	79.0 ± 0.0	NB	
I	<i>Nymphalis l-album</i>	Compton Tortoiseshell			S3	4 Secure	8	39.5 ± 10.0	NB	
I	<i>Dorcordulia lepida</i>	Petite Emerald			S3	4 Secure	3	71.1 ± 1.0	PE	
I	<i>Somatochlora cingulata</i>	Lake Emerald			S3	4 Secure	3	85.0 ± 1.0	NB	
I	<i>Somatochlora forcipata</i>	Forcipate Emerald			S3	4 Secure	5	41.8 ± 0.0	NB	
I	<i>Williamsonia fletcheri</i>	Ebony Boghaunter			S3	4 Secure	15	28.5 ± 1.0	NB	
I	<i>Lestes eurus</i>	Amber-winged Spreadwing			S3	4 Secure	16	50.5 ± 1.0	NB	
I	<i>Lestes vigilax</i>	Swamp Spreadwing			S3	3 Sensitive	1	82.0 ± 0.0	NS	
I	<i>Stylurus scudderi</i>	Zebra Clubtail			S3	4 Secure	5	39.2 ± 0.0	NB	
I	<i>Alasmidonta undulata</i>	Triangle Floater			S3	3 Sensitive	25	59.0 ± 1.0	NB	
I	<i>Leptodea ochracea</i>	Tidewater Mucket			S3	4 Secure	22	28.9 ± 1.0	NB	
I	<i>Pantala hymenaea</i>	Spot-winged Glider			S3B, S3M	4 Secure	3	26.5 ± 0.0	NB	
I	<i>Satyrium liparops</i>	Striped Hairstreak			S3S4	4 Secure	13	36.9 ± 0.0	NB	
I	<i>Satyrium liparops strigosum</i>	Striped Hairstreak			S3S4	4 Secure	12	20.6 ± 0.0	NB	
I	<i>Cupido comyntas</i>	Eastern Tailed Blue			S3S4	4 Secure	1	64.1 ± 0.0	NB	
I	<i>Cocoinella transversoguttata richardsoni</i>	Transverse Lady Beetle			S3S4	4 Secure	1	3.6 ± 1.0	NB	
N	<i>Erioderma mollissimum</i>	Graceful Felt Lichen	Endangered		SH	2 May Be At Risk	27	95.7 ± 1.0	NB	
N	<i>Peltigera hydrophyria</i>	Eastern Waterfan	Threatened		SH	2 May Be At Risk	1	54.6 ± 1.0	NB	
N	<i>Anzia colpodes</i>	Black-foam Lichen	Threatened		S1S2	5 Undetermined	2	82.4 ± 1.0	NB	
N	<i>Pseudevernia cladonia</i>	Ghost Antler Lichen	Not At Risk		S2S3	5 Undetermined	1	87.3 ± 0.0	NB	
N	<i>Alouina rigida</i>	Aloe-Like Rigid Screw Moss			S1	2 May Be At Risk	2	55.0 ± 0.0	NB	
N	<i>Aulacomnium heterostichum</i>	One-sided Groove Moss			S1	2 May Be At Risk	2	84.8 ± 0.0	NB	

Taxonomic Group	Scientific Name	Common Name	SARA	COSEWIC	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
N	<i>Campylostellum saxicola</i>	a Moss			S1	2 May Be At Risk	2 May Be At Risk	3	75.8 ± 0.0	PE
N	<i>Dicranoweisia crispula</i>	Mountain Thatch Moss			S1	2 May Be At Risk	2 May Be At Risk	1	85.7 ± 0.0	NB
N	<i>Didymodon rigidulus</i> var. <i>gracilis</i>	a moss			S1	2 May Be At Risk	2 May Be At Risk	1	93.0 ± 1.0	NB
N	<i>Zygodon viridissimus</i> var. <i>viridissimus</i>	a Moss			S1	2 May Be At Risk	2 May Be At Risk	1	86.5 ± 0.0	NB
N	<i>Cladonia metacoralifera</i>	Reptilian Pixie-cup Lichen			S1	5 Undetermined	5 Undetermined	5	79.9 ± 1.0	NB
N	<i>Coccocarpia palmicola</i>	Salted Shell Lichen			S1	2 May Be At Risk	2 May Be At Risk	1	79.9 ± 1.0	NB
N	<i>Peltigera malacea</i>	Veinless Pelt Lichen			S1	5 Undetermined	5 Undetermined	1	92.9 ± 1.0	NB
N	<i>Byronia bicolor</i>	Electrified Horsehair Lichen			S1	2 May Be At Risk	2 May Be At Risk	1	92.9 ± 1.0	NB
N	<i>Hygrobolus laxifolia</i>	Lax Notchwort			S1?	6 Not Assessed	6 Not Assessed	1	94.5 ± 1.0	NB
N	<i>Atrichum angustatum</i>	Lesser Smoothcap Moss			S1?	2 May Be At Risk	2 May Be At Risk	1	95.4 ± 5.0	NS
N	<i>Bartramia thiphylla</i>	Straight-leaved Apple Moss			S1?	2 May Be At Risk	2 May Be At Risk	2	86.6 ± 1.0	NB
N	<i>Dicranum bonjeanii</i>	Bonjean's Broom Moss			S1?	2 May Be At Risk	2 May Be At Risk	3	88.1 ± 4.0	PE
N	<i>Dicranum condensatum</i>	Condensed Broom Moss			S1?	2 May Be At Risk	2 May Be At Risk	1	85.8 ± 0.0	NB
N	<i>Entodon brevisetus</i>	a Moss			S1?	2 May Be At Risk	2 May Be At Risk	1	97.3 ± 10.0	NB
N	<i>Homomalium adhatum</i>	Adnate Hairy-gray Moss			S1?	2 May Be At Risk	2 May Be At Risk	4	74.2 ± 1.0	NB
N	<i>Plagiothecium latebricola</i>	Alder Silk Moss			S1?	2 May Be At Risk	2 May Be At Risk	2	86.6 ± 3.0	NS
N	<i>Rhytidium rugosum</i>	Wrinkle-leaved Moss			S1?	2 May Be At Risk	2 May Be At Risk	1	92.9 ± 1.0	NB
N	<i>Seligeria recurvata</i>	a Moss			S1?	2 May Be At Risk	2 May Be At Risk	3	68.3 ± 15.0	NB
N	<i>Timmia megapolitana</i>	Metropolitan Timmia Moss			S1?	2 May Be At Risk	2 May Be At Risk	3	92.9 ± 1.0	NS
N	<i>pseudopunctatum</i>	Felted Leafy Moss			S1?	2 May Be At Risk	2 May Be At Risk	1	82.1 ± 0.0	NB
N	<i>Cephalozelia spinigera</i>	Spiny Threadwort			S1S2	6 Not Assessed	6 Not Assessed	2	89.2 ± 0.0	NB
N	<i>Cladopodiella francisci</i>	Holt's Notchwort			S1S2	6 Not Assessed	6 Not Assessed	4	77.6 ± 0.0	NB
N	<i>Harpanthus flovianus</i>	Great Mountain Flapwort			S1S2	6 Not Assessed	6 Not Assessed	2	81.3 ± 1.0	NB
N	<i>Jungermannia obovata</i>	Egg Flapwort			S1S2	6 Not Assessed	6 Not Assessed	1	87.3 ± 0.0	NB
N	<i>Odontoschisma sphagni</i>	Bog-Moss Flapwort			S1S2	6 Not Assessed	6 Not Assessed	1	91.1 ± 0.0	NB
N	<i>Pallavicinia lyellii</i>	Lyell's Ribbonwort			S1S2	6 Not Assessed	6 Not Assessed	1	97.3 ± 1.0	NB
N	<i>Radula tenax</i>	Tenacious Scalewort			S1S2	6 Not Assessed	6 Not Assessed	1	87.3 ± 0.0	NB
N	<i>Brachythecium acuminatum</i>	Acuminate Ragged Moss			S1S2	5 Undetermined	5 Undetermined	2	88.7 ± 2.0	NB
N	<i>Bynum salinum</i>	a Moss			S1S2	2 May Be At Risk	2 May Be At Risk	1	92.3 ± 1.0	NB
N	<i>Distichium inclinatum</i>	Inclined Iris Moss			S1S2	2 May Be At Risk	2 May Be At Risk	5	93.0 ± 1.0	NB
N	<i>Ditrichum pallidum</i>	Pale Cow-hair Moss			S1S2	2 May Be At Risk	2 May Be At Risk	1	96.2 ± 1.0	NB
N	<i>Drummondia prorepens</i>	a Moss			S1S2	2 May Be At Risk	2 May Be At Risk	1	86.7 ± 0.0	NB
N	<i>Hygrohypnum bestii</i>	Best's Brook Moss			S1S2	3 Sensitive	3 Sensitive	5	85.0 ± 1.0	NB
N	<i>Seligeria brevifolia</i>	a Moss			S1S2	3 Sensitive	3 Sensitive	4	86.3 ± 0.0	NB
N	<i>Timmia norvegica</i>	a moss			S1S2	2 May Be At Risk	2 May Be At Risk	2	93.2 ± 0.0	NB
N	<i>Timmia norvegica</i> var. <i>excurrans</i>	a moss			S1S2	2 May Be At Risk	2 May Be At Risk	1	93.2 ± 0.0	NB
N	<i>Tortella humilis</i>	Small Crisp Moss			S1S2	2 May Be At Risk	2 May Be At Risk	7	87.5 ± 1.0	NB
N	<i>Pseudotaxiphyllum distichaceum</i>	a Moss			S1S2	2 May Be At Risk	2 May Be At Risk	1	30.4 ± 1.0	NB
N	<i>Umbilicaria vellea</i>	Grizzled Rocktripe Lichen			S1S2	5 Undetermined	5 Undetermined	1	92.6 ± 1.0	NB
N	<i>Peltigera scabrosa</i>	Greater Toad Pelt Lichen			S1S2	2 May Be At Risk	2 May Be At Risk	4	78.5 ± 1.0	NB
N	<i>Tritomaria scitula</i>	Mountain Notchwort			S1S3	6 Not Assessed	6 Not Assessed	1	83.5 ± 1.0	NB
N	<i>Amphidium mougeotii</i>	a Moss			S2	3 Sensitive	3 Sensitive	11	83.8 ± 0.0	NB
N	<i>Anomodon viticulosus</i>	a Moss			S2	2 May Be At Risk	2 May Be At Risk	2	81.2 ± 10.0	NB
N	<i>Cirriphyllum piliferum</i>	Hair-pointed Moss			S2	3 Sensitive	3 Sensitive	3	77.0 ± 1.0	NB
N	<i>Dicranella palustris</i>	Drooping-Leaved Fork Moss			S2	3 Sensitive	3 Sensitive	7	81.3 ± 1.0	NB

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N	<i>Didymodon ferrugineus</i>	a moss			S2		3 Sensitive	1	92.7 ± 0.0	NB
N	<i>Anomodon tristis</i>	a Moss			S2		2 May Be At Risk	3	87.8 ± 0.0	NB
N	<i>Isoperlygloopsis pulchella</i>	Neat Silk Moss			S2		3 Sensitive	7	85.0 ± 1.0	NB
N	<i>Platydictya jungermannioides</i>	False Willow Moss			S2		3 Sensitive	4	68.3 ± 15.0	NB
N	<i>Pohlia elongata</i>	Long-necked Nodding Moss			S2		3 Sensitive	14	84.8 ± 0.0	NB
N	<i>Pohlia sphagnetcola</i>	a moss			S2		3 Sensitive	1	81.1 ± 0.0	NB
N	<i>Seligeria calcarea</i>	Chalk Brittle Moss			S2		3 Sensitive	2	81.3 ± 0.0	NB
N	<i>Sphagnum centrale</i>	Central Peat Moss			S2		3 Sensitive	6	81.6 ± 1.0	NB
N	<i>Sphagnum flexuosum</i>	Flexuous Peatmoss			S2		3 Sensitive	3	71.4 ± 10.0	NB
N	<i>Tayloria serrata</i>	Serrate Trumpet Moss			S2		3 Sensitive	7	64.4 ± 100.0	NB
N	<i>Tetradontium brownianum</i>	Little Georgia			S2		3 Sensitive	12	84.8 ± 0.0	NB
N	<i>Thamnobryum alleghaniense</i>	a Moss			S2		3 Sensitive	11	58.0 ± 1.0	NB
N	<i>Ulotia phyllantha</i>	a Moss			S2		3 Sensitive	4	93.1 ± 0.0	NB
N	<i>Anomobryum filiforme</i>	a moss			S2		5 Undetermined	3	93.0 ± 1.0	NB
N	<i>Cladonia macrophylla</i>	Fig-leaved Lichen			S2		5 Undetermined	3	85.9 ± 1.0	NB
N	<i>Nephroma laevigatum</i>	Mustard Kidney Lichen			S2		2 May Be At Risk	1	78.0 ± 0.0	NB
N	<i>Anacamptodon splachnoides</i>	a Moss			S2?		3 Sensitive	2	66.6 ± 1.0	NB
N	<i>Andreaea rothii</i>	a Moss			S2?		3 Sensitive	5	83.6 ± 1.0	NB
N	<i>Anomodon minor</i>	Blunt-leaved Anomodon Moss			S2?		2 May Be At Risk	1	80.7 ± 1.0	NB
N	<i>Bryum pallescens</i>	Pale Bryum Moss			S2?		5 Undetermined	1	81.8 ± 100.0	NB
N	<i>Dichelyma capillaceum</i>	Hairlike Dichelyma Moss			S2?		3 Sensitive	1	97.1 ± 3.0	NB
N	<i>Dicranum spurium</i>	Spurred Broom Moss			S2?		3 Sensitive	1	75.8 ± 0.0	PE
N	<i>Hygrohypnum montanum</i>	a Moss			S2?		3 Sensitive	1	84.6 ± 1.0	NB
N	<i>Sphagnum angermanicum</i>	a Peatmoss			S2?		3 Sensitive	2	88.4 ± 0.0	NB
N	<i>Trichodon cylindricus</i>	Cylindric Hairy-teeth Moss			S2?		3 Sensitive	2	68.3 ± 15.0	NB
N	<i>Plagiommium rostratum</i>	Long-beaked Leafy Moss			S2?		3 Sensitive	4	92.4 ± 0.0	NB
N	<i>Ramalina pollinaria</i>	Chalky Ramalina Lichen			S2?		5 Undetermined	1	89.5 ± 1.0	NB
N	<i>Collera leptaleum</i>	Crumpled Bat's Wing Lichen			S2?		5 Undetermined	1	85.0 ± 0.0	NB
N	<i>Nephroma arcticum</i>	Arctic Kidney Lichen			S2?		3 Sensitive	1	91.4 ± 1.0	NB
N	<i>Bryum uliginosum</i>	a Moss			S2S3		3 Sensitive	1	93.1 ± 0.0	NB
N	<i>Buxbaumia aphylla</i>	Brown Shield Moss			S2S3		3 Sensitive	2	75.8 ± 0.0	PE
N	<i>Calliergonella cuspidata</i>	Common Large Wetland Moss			S2S3		3 Sensitive	2	43.1 ± 0.0	PE
N	<i>Campyllum polygamum</i>	a Moss			S2S3		3 Sensitive	2	79.9 ± 0.0	PE
N	<i>Palustriella falcata</i>	a Moss			S2S3		3 Sensitive	2	93.8 ± 0.0	NB
N	<i>Didymodon rigidulus</i>	Rigid Screw Moss			S2S3		3 Sensitive	8	88.7 ± 2.0	NB
N	<i>Orthotrichum speciosum</i>	Showy Bristle Moss			S2S3		5 Undetermined	13	67.4 ± 4.0	NB
N	<i>Pohlia prolifera</i>	Cottony Nodding Moss			S2S3		3 Sensitive	14	68.3 ± 15.0	NB
N	<i>Racomitrium fasciculare</i>	a Moss			S2S3		3 Sensitive	3	85.7 ± 0.0	NB
N	<i>Racomitrium affine</i>	a Moss			S2S3		3 Sensitive	1	82.3 ± 1.0	NB
N	<i>Saelania glaucescens</i>	Blue Dew Moss			S2S3		3 Sensitive	2	85.7 ± 0.0	NB
N	<i>Sphagnum subfulvum</i>	a Peatmoss			S2S3		2 May Be At Risk	2	80.4 ± 0.0	NB
N	<i>Taxiphyllum deplanatum</i>	Imbricate Yew-leaved Moss			S2S3		3 Sensitive	2	87.5 ± 1.0	NB
N	<i>Zygodon viridissimus</i>	a Moss			S2S3		2 May Be At Risk	2	86.4 ± 0.0	NB
N	<i>Schistidium agassizii</i>	Elf Bloom Moss			S2S3		3 Sensitive	3	82.3 ± 1.0	NB
N	<i>Loeskeobryum</i>	a Moss			S2S3		3 Sensitive	12	83.8 ± 0.0	NB

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N	<i>Tetraphis geniculata</i>	Geniculate Four-tooth Moss			S3S4	S3S4	4 Secure	11	78.8 ± 0.0	NB
N	<i>Tetraploclon angustatus</i>	Toothed-leaved Nitrogen Moss			S3S4	S3S4	4 Secure	1	84.9 ± 0.0	NB
N	<i>Weissia controversa</i>	Green-Cushioned Weissia			S3S4	S3S4	4 Secure	3	93.5 ± 1.0	NB
N	<i>Abietinella abietina</i>	Winy Fern Moss			S3S4	S3S4	4 Secure	2	93.2 ± 0.0	NB
N	<i>Trichostomum tenuirostre</i>	Acid-Soil Moss			S3S4	S3S4	4 Secure	4	85.7 ± 0.0	NB
N	<i>Rauvolfia scita</i>	Smaller Fern Moss			S3S4	S3S4	3 Sensitive	1	81.9 ± 0.0	NB
N	<i>Pannaria rubiginosa</i>	Brown-eyed Shingle Lichen			S3S4	S3S4	3 Sensitive	1	93.4 ± 1.0	NB
N	<i>Ramalina thrausta</i>	Angelhair Ramalina Lichen			S3S4	S3S4	5 Undetermined	11	78.5 ± 1.0	NB
N	<i>Hypogymnia vittata</i>	Slender Monk's Hood Lichen			S3S4	S3S4	4 Secure	22	78.5 ± 1.0	NB
N	<i>Cladonia floerkeana</i>	Gritty British Soldiers Lichen			S3S4	S3S4	4 Secure	3	91.3 ± 1.0	NB
N	<i>Hypocenomyce friesii</i>	a Lichen			S3S4	S3S4	5 Undetermined	1	92.6 ± 1.0	NB
N	<i>Melanelia panniformis</i>	Shingled Camouflage Lichen			S3S4	S3S4	5 Undetermined	4	80.7 ± 1.0	NB
N	<i>Nephroma parile</i>	Powdery Kidney Lichen			S3S4	S3S4	4 Secure	6	79.9 ± 1.0	NB
N	<i>Protopannaria pezizoides</i>	Brown-gray Moss-shingle Lichen			S3S4	S3S4	4 Secure	10	92.6 ± 1.0	NB
N	<i>Pseudocyphellaria perpetua</i>	Gilded Specklebelly Lichen			S3S4	S3S4	3 Sensitive	9	20.0 ± 0.0	NB
N	<i>Stereocaulon paschale</i>	Easter Foam Lichen			S3S4	S3S4	5 Undetermined	1	30.5 ± 1.0	NB
N	<i>Anaptychia palmulata</i>	Shaggy Fringed Lichen			S3S4	S3S4	3 Sensitive	3	82.4 ± 1.0	NB
N	<i>Peltigera neopolydactyla</i>	Undulating Pelt Lichen			S3S4	S3S4	5 Undetermined	7	79.9 ± 1.0	NB
N	<i>Cladonia cariosa</i>	Lesser Ribbed Pixie Lichen			S3S4	S3S4	4 Secure	3	87.4 ± 1.0	NB
N	<i>Hypocenomyce scalaris</i>	Common Clam Lichen			S3S4	S3S4	5 Undetermined	1	89.5 ± 1.0	NB
N	<i>Dermatocarpon luridum</i>	Brookside Stippleback Lichen			S3S4	S3S4	4 Secure	5	77.7 ± 1.0	NB
N	<i>Leucodon brachypus</i>	a Moss			SH	SH	2 May Be At Risk	12	78.4 ± 0.0	NB
N	<i>Splachnum luteum</i>	Yellow Collar Moss			SH	SH	5 Undetermined	1	81.8 ± 100.0	NB
P	<i>Juglans cinerea</i>	Butternut	Endangered	Endangered	S1	S1	1 At Risk	10	53.4 ± 0.0	PE
P	<i>Symphytotrichum laurentianum</i>	Gulf of St Lawrence Aster	Threatened	Threatened	S1	S1	1 At Risk	48	75.7 ± 0.0	NB
P	<i>Symphytotrichum subulatum</i> (Bathurst pop)	Bathurst Aster - Bathurst pop.	Special Concern	Special Concern	S2	S2	1 At Risk	20	62.2 ± 0.0	NB
P	<i>Isoetes prototypus</i>	Prototype Quillwort	Special Concern	Special Concern	S2	S2	1 At Risk	13	83.4 ± 0.0	NS
P	<i>Lechea maritima</i> var. <i>subcylindrica</i>	Beach Pinweed	Special Concern	Special Concern	S2	S2	3 Sensitive	478	34.8 ± 0.0	NB
P	<i>Antennaria howellii</i> ssp. <i>petaloidea</i>	Pussy-Toes			S1	S1	2 May Be At Risk	7	60.4 ± 5.0	PE
P	<i>Symphytotrichum subulatum</i> (non-Bathurst pop)	Annual Saltmarsh Aster			S1	S1	2 May Be At Risk	12	38.2 ± 0.0	NB
P	<i>Pseudognaphalium obtusifolium</i>	Eastern Cudweed			S1	S1	2 May Be At Risk	28	43.3 ± 5.0	NB
P	<i>Hieracium robinsonii</i>	Robinson's Hawkweed			S1	S1	3 Sensitive	5	82.9 ± 0.0	NB
P	<i>Solidago multiradiata</i>	Multi-rayed Goldenrod			S1	S1	2 May Be At Risk	10	48.7 ± 0.0	NB
P	<i>Betula mitchauxii</i>	Michaux's Dwarf Birch			S1	S1	2 May Be At Risk	3	96.8 ± 0.0	NB
P	<i>Draba arabisans</i>	Rock Whitlow-Grass			S1	S1	2 May Be At Risk	4	78.6 ± 0.0	NB
P	<i>Draba glabella</i>	Rock Whitlow-Grass			S1	S1	2 May Be At Risk	3	92.9 ± 0.0	NB
P	<i>Draba incana</i>	Twisted Whitlow-grass			S1	S1	2 May Be At Risk	4	94.4 ± 0.0	PE
P	<i>Stellaria crassifolia</i>	Fleshy Stitchwort			S1	S1	2 May Be At Risk	3	16.5 ± 5.0	NB
P	<i>Chenopodium simplex</i>	Maple-leaved Goosefoot			S1	S1	2 May Be At Risk	5	70.9 ± 1.0	NB
P	<i>Suaeda rolandii</i>	Roland's Sea-Blite			S1	S1	3 Sensitive	4	45.3 ± 7.0	NS
P	<i>Triadenum virginicum</i>	Virginia St John's-wort			S1	S1	2 May Be At Risk	1	94.3 ± 3.0	NS
P	<i>Coremia conradii</i>	Broom Crowberry			S1	S1	2 May Be At Risk	7	58.6 ± 0.0	PE

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P	<i>Vaccinium boreale</i>	Northern Blueberry			S1	2 May Be At Risk	5	22.8 ± 1.0	NB	
P	<i>Vaccinium uliginosum</i>	Alpine Bilberry			S1	2 May Be At Risk	1	80.5 ± 1.0	PE	
P	<i>Chamaesyce polygonifolia</i>	Seaside Spurge			S1	2 May Be At Risk	23	36.0 ± 0.0	NB	
P	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed			S1	2 May Be At Risk	2	78.9 ± 5.0	NS	
P	<i>Primula laurentiana</i>	Laurentian Primrose			S1	2 May Be At Risk	9	93.2 ± 0.0	NB	
P	<i>Ranunculus sceleratus</i>	Cursed Buttercup			S1	2 May Be At Risk	1	87.3 ± 100.0	NB	
P	<i>Amelanchier fernaldii</i>	Fernald's Serviceberry			S1	2 May Be At Risk	3	53.3 ± 1.0	NB	
P	<i>Dryas integrifolia</i>	Entire-leaved Mountain Avens			S1	2 May Be At Risk	11	47.5 ± 3.0	NB	
P	<i>Waldsteinia fragarioides</i>	Barren Strawberry			S1	2 May Be At Risk	1	40.9 ± 1.0	NB	
P	<i>Salix myrtilifolia</i>	Blueberry Willow			S1	2 May Be At Risk	24	48.1 ± 0.0	NB	
P	<i>Saxifraga paniculata</i>	White Mountain Saxifrage			S1	2 May Be At Risk	7	92.2 ± 0.0	NB	
P	<i>Agalinis paupercula</i>	Small-flowered Agalinis			S1	2 May Be At Risk	29	32.4 ± 0.0	NS	
P	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet			S1	2 May Be At Risk	2	89.3 ± 1.0	PE	
P	<i>Carex annectens</i>	Yellow-Fruited Sedge			S1	2 May Be At Risk	3	7.6 ± 0.0	NB	
P	<i>Carex atlantica</i> ssp. <i>atlantica</i>	Atlantic Sedge			S1	2 May Be At Risk	7	16.5 ± 0.0	NB	
P	<i>Carex backii</i>	Rocky Mountain Sedge			S1	2 May Be At Risk	2	70.4 ± 0.0	NB	
P	<i>Carex merrii-fernalidii</i>	Merritt Fernald's Sedge			S1	2 May Be At Risk	1	70.9 ± 0.0	NB	
P	<i>Carex rariflora</i>	Loose-flowered Alpine Sedge			S1	2 May Be At Risk	1	94.3 ± 0.0	PE	
P	<i>Carex sterilis</i>	Sterile Sedge			S1	2 May Be At Risk	1	80.1 ± 2.0	NB	
P	<i>Scirpus pendulus</i>	Hanging Bulrush			S1	2 May Be At Risk	7	31.3 ± 0.0	NS	
P	<i>Sisyrinchium angustifolium</i>	Narrow-leaved Blue-eyed-grass			S1	2 May Be At Risk	2	53.3 ± 5.0	NS	
P	<i>Juncus greenii</i>	Greene's Rush			S1	2 May Be At Risk	11	34.9 ± 5.0	PE	
P	<i>Juncus stygius</i> ssp. <i>americanus</i>	Moor Rush			S1	2 May Be At Risk	16	33.1 ± 5.0	NB	
P	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain			S1	2 May Be At Risk	5	70.5 ± 0.0	NB	
P	<i>Malaxis brachypoda</i>	White Adder's-Mouth			S1	2 May Be At Risk	3	91.9 ± 1.0	NS	
P	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid			S1	2 May Be At Risk	4	30.6 ± 0.0	NB	
P	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	Slim-stemmed Reed Grass			S1	2 May Be At Risk	2	29.7 ± 1.0	NB	
P	<i>Catabrosa aquatica</i> var. <i>laurentiana</i>	Water Whorl Grass			S1	2 May Be At Risk	4	79.6 ± 5.0	PE	
P	<i>Danthonia compressa</i>	Flattened Oat Grass			S1	2 May Be At Risk	14	62.3 ± 2.0	NS	
P	<i>Festuca subverticillata</i>	Nodding Fescue			S1	2 May Be At Risk	6	88.1 ± 0.0	NS	
P	<i>Puccinellia ambigua</i>	Dwarf Alkali Grass			S1	5 Undetermined	1	68.5 ± 5.0	PE	
P	<i>Potamogeton friesii</i>	Fries' Pondweed			S1	2 May Be At Risk	18	38.3 ± 0.0	PE	
P	<i>Dryopteris filix-mas</i>	Male Fern			S1	2 May Be At Risk	2	58.9 ± 1.0	NB	
P	<i>Schizaea pusilla</i>	Little Curlygrass Fern			S1	2 May Be At Risk	1	88.7 ± 0.0	NB	
P	<i>Bidens heterodoxa</i>	Connecticut Beggar-Ticks			S1?	2 May Be At Risk	8	86.5 ± 0.0	NB	
P	<i>Selaginella rupestris</i>	Rock Spikemoss			S1S2	2 May Be At Risk	1	99.5 ± 1.0	NB	
P	<i>Cuscuta cephalanthi</i>	Buttonbush Dodder			S1S3	2 May Be At Risk	6	18.4 ± 0.0	NB	
P	<i>Eriophorum russeolum</i> var. <i>albidum</i>	Russet Cotton-Grass			S1S3	5 Undetermined	1	30.1 ± 1.0	NB	
P	<i>Listera australis</i>	Southern Twayblade	Endangered		S2	1 At Risk	14	13.4 ± 0.0	NB	
P	<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely			S2	3 Sensitive	5	71.0 ± 1.0	NS	
P	<i>Pseudognaphalium macounii</i>	Macoun's Cudweed			S2	3 Sensitive	41	46.0 ± 0.0	PE	
P	<i>Ionactis linarifolius</i>	Stiff Aster			S2	3 Sensitive	1	74.9 ± 5.0	NB	
P	<i>Arabis drummondii</i>	Drummond's Rockcress			S2	3 Sensitive	7	70.1 ± 0.0	NB	
P	<i>Sagina nodosa</i>	Knotted Pearlwort			S2	3 Sensitive	2	62.7 ± 0.0	PE	

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P	<i>Sagina nodosa</i> ssp. <i>borealis</i>	Knotted Pearlwort			S2	3 Sensitive	5	61.1 ± 0.0	PE	
P	<i>Stellaria longifolia</i>	Long-leaved Starwort			S2	3 Sensitive	8	28.0 ± 1.0	NB	
P	<i>Atriplex franktonii</i>	Frankton's Saltbush			S2	4 Secure	7	20.7 ± 0.0	NB	
P	<i>Chenopodium rubrum</i>	Red Pigweed			S2	3 Sensitive	11	18.4 ± 0.0	NB	
P	<i>Hypericum dissimulatum</i>	Disguised St John's-wort			S2	3 Sensitive	3	49.1 ± 0.0	PE	
P	<i>Shepherdia canadensis</i>	Soapberry			S2	3 Sensitive	5	45.1 ± 1.0	NB	
P	<i>Gentiana linearis</i>	Narrow-Leaved Gentian			S2	3 Sensitive	1	70.4 ± 50.0	NB	
P	<i>Myriophyllum humile</i>	Low Water Milfoil			S2	3 Sensitive	1	88.1 ± 1.0	NB	
P	<i>Proserpinaca palustris</i> var. <i>crebra</i>	Marsh Mermaidweed			S2	3 Sensitive	1	82.1 ± 0.0	NS	
P	<i>Hedeoma pulegioides</i>	American False Pennyroyal			S2	4 Secure	3	63.8 ± 1.0	NS	
P	<i>Nuphar lutea</i> ssp. <i>rubrodisca</i>	Red-disked Yellow Pond-lily			S2	3 Sensitive	12	21.4 ± 1.0	NB	
P	<i>Orobanche uniflora</i>	One-Flowered Broomrape			S2	3 Sensitive	3	80.2 ± 0.0	PE	
P	<i>Polygonum careyi</i>	Carey's Smartweed			S2	3 Sensitive	2	27.5 ± 1.0	NB	
P	<i>Anemone parviflora</i>	Small-flowered Anemone			S2	3 Sensitive	8	48.2 ± 0.0	NB	
P	<i>Hepatica nobilis</i> var. <i>obtusata</i>	Round-lobed Hepatica			S2	3 Sensitive	3	83.5 ± 0.0	NS	
P	<i>Crataegus scabrada</i>	Rough Hawthorn			S2	3 Sensitive	3	6.6 ± 1.0	NB	
P	<i>Crataegus succulenta</i>	Fleshy Hawthorn			S2	3 Sensitive	6	36.7 ± 0.0	PE	
P	<i>Salix candida</i>	Sage Willow			S2	3 Sensitive	2	81.0 ± 0.0	PE	
P	<i>Euphrasia randii</i>	Rand's Eyebright			S2	2 May Be At Risk	3	38.3 ± 0.0	PE	
P	<i>Dirca palustris</i>	Eastern Leatherwood			S2	2 May Be At Risk	1	41.2 ± 1.0	NB	
P	<i>Sagittaria calycina</i> var. <i>spongiosa</i>	Long-lobed Arrowhead			S2	4 Secure	67	57.3 ± 0.0	NB	
P	<i>Symlocarpus foetidus</i>	Eastern Skunk Cabbage			S2	3 Sensitive	114	33.6 ± 0.0	NS	
P	<i>Carex comosa</i>	Bearded Sedge			S2	2 May Be At Risk	5	28.2 ± 0.0	NB	
P	<i>Carex granularis</i>	Limestone Meadow Sedge			S2	3 Sensitive	9	7.7 ± 0.0	NB	
P	<i>Carex gynocrates</i>	Northern Bog Sedge			S2	3 Sensitive	1	89.4 ± 0.0	PE	
P	<i>Carex hirtifolia</i>	Pubescent Sedge			S2	3 Sensitive	12	66.6 ± 0.0	NS	
P	<i>Carex livida</i> var. <i>radicaulis</i>	Livid Sedge			S2	3 Sensitive	8	30.8 ± 0.0	NS	
P	<i>Carex plantaginea</i>	Plantain-Leaved Sedge			S2	3 Sensitive	1	94.5 ± 0.0	NB	
P	<i>Carex prairea</i>	Prairie Sedge			S2	3 Sensitive	1	96.4 ± 0.0	PE	
P	<i>Carex rostrata</i>	Narrow-leaved Beaked Sedge			S2	3 Sensitive	2	67.4 ± 5.0	NB	
P	<i>Carex tenuiflora</i>	Sparse-Flowered Sedge			S2	2 May Be At Risk	9	34.3 ± 0.0	NS	
P	<i>Carex albicans</i> var. <i>emmonsii</i>	White-tinged Sedge			S2	3 Sensitive	20	9.0 ± 0.0	NB	
P	<i>Eriophorum gracile</i>	Slender Cottongrass			S2	2 May Be At Risk	49	14.4 ± 0.0	NB	
P	<i>Blysmus rufus</i>	Red Bulrush			S2	3 Sensitive	32	37.7 ± 0.0	PE	
P	<i>Juncus vaseyi</i>	Vasey Rush			S2	3 Sensitive	10	37.5 ± 0.0	NB	
P	<i>Allium tricoccum</i>	Wild Leek			S2	2 May Be At Risk	2	65.4 ± 1.0	NS	
P	<i>Calypso bulbosa</i> var. <i>americana</i>	Calypso			S2	2 May Be At Risk	2	73.9 ± 5.0	NB	
P	<i>Coeloglossum viride</i> var. <i>virescens</i>	Long-bracted Frog Orchid			S2	2 May Be At Risk	5	57.4 ± 10.0	NB	
P	<i>Goodyera oblongifolia</i>	Menzies' Rattlesnake-plantain			S2	3 Sensitive	1	48.5 ± 0.0	PE	
P	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses			S2	3 Sensitive	1	74.2 ± 1.0	NB	
P	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-Tresses			S2	2 May Be At Risk	6	28.5 ± 0.0	NB	
P	<i>Elymus canadensis</i>	Canada Wild Rye			S2	2 May Be At Risk	1	48.4 ± 1.0	NB	
P	<i>Piptatherum canadense</i>	Canada Rice Grass			S2	3 Sensitive	3	52.8 ± 10.0	NB	
P	<i>Poa glauca</i>	Glaucous Blue Grass			S2	4 Secure	6	92.5 ± 0.0	NB	
P	<i>Puccinellia laurentiana</i>	Nootka Alkali Grass			S2	3 Sensitive	1	83.2 ± 10.0	NB	

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P	<i>Puccinellia phryganodes</i>	Creeping Alkali Grass			S2	3 Sensitive	2	1.7 ± 1.0	NB	
P	<i>Zizania aquatica</i> var. <i>aquatica</i>	Indian Wild Rice			S2	5 Undetermined	4	64.5 ± 0.0	NS	
P	<i>Piptatherum pungens</i>	Slender Rice Grass			S2	2 May Be At Risk	5	64.9 ± 5.0	NB	
P	<i>Potamogeton vaseyi</i>	Vasey's Pondweed			S2	3 Sensitive	1	33.2 ± 0.0	PE	
P	<i>Asplenium trichomanes</i>	Maidenhair Spleenwort			S2	3 Sensitive	3	67.3 ± 0.0	NB	
P	<i>Woodwardia virginica</i>	Virginia Chain Fern			S2	3 Sensitive	12	34.2 ± 0.0	NS	
P	<i>Woodsia alpina</i>	Alpine Cliff Fern			S2	3 Sensitive	1	81.3 ± 0.0	NB	
P	<i>Lycopodium sitchense</i>	Sitka Clubmoss			S2	3 Sensitive	4	34.4 ± 0.0	NB	
P	<i>Selaginella selaginoides</i>	Low Spikemoss			S2	3 Sensitive	7	92.2 ± 0.0	NB	
P	<i>Toxicodendron radicans</i>	Poison Ivy			S2?	3 Sensitive	6	33.4 ± 5.0	NB	
P	<i>Symphoricaricum novibelligii</i> var. <i>crenifolium</i>	New York Aster			S2?	5 Undetermined	5	27.8 ± 0.0	NB	
P	<i>Humulus lupulus</i> var. <i>lupuloides</i>	Common Hop			S2?	3 Sensitive	1	68.6 ± 5.0	NB	
P	<i>Rubus recurvicaulis</i>	Arching Dewberry			S2?	4 Secure	5	23.9 ± 0.0	NB	
P	<i>Galium obtusum</i>	Blunt-leaved Bedstraw			S2?	4 Secure	7	38.6 ± 1.0	NB	
P	<i>Salix myricoides</i>	Bayberry Willow			S2?	3 Sensitive	1	48.2 ± 1.0	NB	
P	<i>Carex vacillans</i>	Estuarine Sedge			S2?	3 Sensitive	1	42.0 ± 0.0	NB	
P	<i>Solidago altissima</i>	Tall Goldenrod			S2S3	4 Secure	1	61.6 ± 0.0	NB	
P	<i>Ceratophyllum echinatum</i>	Prickly Hornwort			S2S3	3 Sensitive	24	10.4 ± 1.0	NB	
P	<i>Callitriche hermaphroditica</i>	Northern Water-starwort			S2S3	4 Secure	9	45.4 ± 0.0	NB	
P	<i>Elatine americana</i>	American Waterwort			S2S3	3 Sensitive	6	29.7 ± 0.0	NB	
P	<i>Bartonia paniculata</i>	Branched Bartonia			S2S3	3 Sensitive	1	62.7 ± 0.0	NS	
P	<i>Bartonia paniculata</i> ssp. <i>iodandra</i>	Branched Bartonia			S2S3	3 Sensitive	3	86.0 ± 0.0	NB	
P	<i>Geranium robertianum</i>	Herb Robert			S2S3	4 Secure	74	46.3 ± 0.0	PE	
P	<i>Myriophyllum quitense</i>	Andean Water Milfoil			S2S3	4 Secure	1	96.0 ± 5.0	PE	
P	<i>Epilobium coloratum</i>	Purple-veined Willowherb			S2S3	3 Sensitive	5	13.1 ± 1.0	NB	
P	<i>Rumex maritimus</i> var. <i>persicarioides</i>	Peach-leaved Dock			S2S3	5 Undetermined	5	59.5 ± 5.0	PE	
P	<i>Rumex pallidus</i>	Seabeach Dock			S2S3	3 Sensitive	5	47.4 ± 1.0	PE	
P	<i>Rubus pensilvanicus</i>	Pennsylvania Blackberry			S2S3	4 Secure	26	36.3 ± 0.0	NB	
P	<i>Galium labradoricum</i>	Labrador Bedstraw			S2S3	3 Sensitive	15	37.7 ± 0.0	NB	
P	<i>Carex adusta</i>	Lesser Brown Sedge			S2S3	4 Secure	8	34.7 ± 0.0	NB	
P	<i>Coralorhiza maculata</i> var. <i>occidentalis</i>	Spotted Coralroot			S2S3	3 Sensitive	6	41.9 ± 10.0	NB	
P	<i>Listera auriculata</i>	Auricled Twayblade			S2S3	3 Sensitive	1	93.7 ± 0.0	NB	
P	<i>Spiranthes cernua</i>	Nodding Ladies'-Tresses			S2S3	3 Sensitive	16	18.3 ± 0.0	NB	
P	<i>Eragrostis pectinacea</i>	Tufted Love Grass			S2S3	4 Secure	5	38.0 ± 0.0	NB	
P	<i>Stuckenia filiformis</i>	Thread-leaved Pondweed			S2S3	3 Sensitive	1	86.5 ± 20.0	PE	
P	<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	Thread-leaved Pondweed			S2S3	3 Sensitive	4	18.0 ± 1.0	NB	
P	<i>Stuckenia pectinata</i>	Sago Pondweed			S2S3	3 Sensitive	48	35.8 ± 0.0	PE	
P	<i>Potamogeton praelongus</i>	White-stemmed Pondweed			S2S3	4 Secure	25	33.6 ± 0.0	NS	
P	<i>Isoetes acadensis</i>	Acadian Quillwort			S2S3	3 Sensitive	1	96.6 ± 1.0	NS	
P	<i>Ophioglossum pusillum</i>	Northern Adder's-tongue			S2S3	3 Sensitive	7	44.6 ± 50.0	NS	
P	<i>Panax trifolius</i>	Dwarf Ginseng			S3	3 Sensitive	29	22.4 ± 0.0	NB	
P	<i>Artemisia campestris</i>	Field Wormwood			S3	4 Secure	2	98.3 ± 0.0	NB	
P	<i>Artemisia campestris</i>	Field Wormwood			S3	4 Secure	3	62.2 ± 0.0	PE	

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P	<i>Bidens caudata</i>									
P	<i>Bidens hyperborea</i>	Estuary Beggarticks			S3	4 Secure	30	45.9 ± 0.0	NB	
P	<i>Bidens hyperborea</i> var. <i>hyperborea</i>	Estuary Beggarticks			S3	4 Secure	3	45.9 ± 0.0	NB	
P	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane			S3	4 Secure	35	46.0 ± 1.0	NB	
P	<i>Prenanthes racemosa</i>	Glaucous Rattlesnakeroot			S3	4 Secure	2	77.3 ± 0.0	PE	
P	<i>Symphoricarpon boreale</i>	Boreal Aster			S3	3 Sensitive	9	38.1 ± 0.0	PE	
P	<i>Betula pumila</i>	Bog Birch			S3	4 Secure	43	37.7 ± 0.0	PE	
P	<i>Arabis hirsuta</i> var. <i>pycnocarpa</i>	Western Hairy Rockcross			S3	4 Secure	8	18.4 ± 0.0	NB	
P	<i>Cardamine maxima</i>	Large Toothwort			S3	4 Secure	2	59.0 ± 0.0	PE	
P	<i>Subularia aquatica</i> var. <i>americana</i>	Water Ailwort			S3	4 Secure	2	89.4 ± 0.0	NB	
P	<i>Stellaria humifusa</i>	Saltmarsh Starwort			S3	4 Secure	15	16.5 ± 5.0	NB	
P	<i>Hudsonia tomentosa</i>	Woolly Beach-heath			S3	4 Secure	231	1.2 ± 0.0	NB	
P	<i>Crassula aquatica</i>	Water Pygmyweed			S3	4 Secure	6	69.4 ± 0.0	NB	
P	<i>Rhodiola rosea</i>	Roseroot			S3	4 Secure	13	78.4 ± 0.0	NB	
P	<i>Elatine minima</i>	Small Waterwort			S3	4 Secure	1	89.8 ± 0.0	NB	
P	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill			S3	4 Secure	13	34.7 ± 0.0	NB	
P	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil			S3	4 Secure	9	31.4 ± 1.0	NB	
P	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil			S3	4 Secure	14	30.7 ± 1.0	NB	
P	<i>Teucrium canadense</i>	Canada Germander			S3	3 Sensitive	91	15.5 ± 0.0	NB	
P	<i>Nuphar lutea</i> ssp. <i>pumila</i>	Small Yellow Pond-lily			S3	4 Secure	7	30.7 ± 1.0	NB	
P	<i>Epilobium hornemannii</i>	Homemann's Willowherb			S3	4 Secure	2	92.2 ± 1.0	NB	
P	<i>Epilobium hornemannii</i> ssp. <i>hornemannii</i>	Homemann's Willowherb			S3	4 Secure	1	92.5 ± 0.0	NB	
P	<i>Epilobium strictum</i>	Downy Willowherb			S3	4 Secure	22	8.6 ± 1.0	NB	
P	<i>Polygala sanguinea</i>	Blood Milkwort			S3	3 Sensitive	13	8.5 ± 0.0	NB	
P	<i>Polygonum arifolium</i>	Halberd-leaved Tearthumb			S3	4 Secure	76	16.0 ± 0.0	NB	
P	<i>Polygonum punctatum</i>	Dotted Smartweed			S3	4 Secure	6	30.5 ± 0.0	NS	
P	<i>Polygonum punctatum</i> var. <i>confertiflorum</i>	Dotted Smartweed			S3	4 Secure	37	36.2 ± 0.0	NS	
P	<i>Polygonum scandens</i>	Climbing False Buckwheat			S3	4 Secure	48	27.5 ± 1.0	NB	
P	<i>Samolus valerandi</i>	Seaside Brookweed			S3	4 Secure	4	62.5 ± 0.0	NB	
P	<i>Samolus valerandi</i> ssp. <i>parviflorus</i>	Seaside Brookweed			S3	4 Secure	115	16.9 ± 0.0	NB	
P	<i>Pyrola minor</i>	Lesser Pyrola			S3	4 Secure	5	34.9 ± 0.0	NS	
P	<i>Clematis occidentalis</i>	Purple Clematis			S3	4 Secure	6	48.4 ± 0.0	NS	
P	<i>Ranunculus gmelinii</i>	Gmelin's Water Buttercup			S3	4 Secure	37	27.7 ± 0.0	NB	
P	<i>Thalictrum venulosum</i>	Northern Meadow-rue			S3	4 Secure	1	69.9 ± 1.0	PE	
P	<i>Amelanchier canadensis</i>	Canada Serviceberry			S3	4 Secure	34	14.2 ± 0.0	NB	
P	<i>Rosa palustris</i>	Swamp Rose			S3	4 Secure	3	28.7 ± 0.0	NB	
P	<i>Sanguisorba canadensis</i>	Canada Burnet			S3	4 Secure	15	85.5 ± 0.0	NB	
P	<i>Galium boreale</i>	Northern Bedstraw			S3	4 Secure	8	44.6 ± 5.0	NS	
P	<i>Salix interior</i>	Sandbar Willow			S3	4 Secure	1	50.5 ± 1.0	NB	
P	<i>Salix pedicellaris</i>	Bog Willow			S3	4 Secure	25	14.4 ± 0.0	NB	
P	<i>Comandra umbellata</i>	Bastard's Toadflax			S3	4 Secure	58	9.0 ± 0.0	NB	
P	<i>Comandra umbellata</i> ssp. <i>umbellata</i>	Bastard's Toadflax			S3	4 Secure	1	86.5 ± 20.0	PE	
P	<i>Limosella australis</i>	Southern Mudwort			S3	4 Secure	85	21.7 ± 1.0	NB	
P	<i>Veronica serpyllifolia</i> ssp. <i>humifusa</i>	Thyme-Leaved Speedwell			S3	4 Secure	6	84.2 ± 0.0	NB	

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P	<i>Pilea pumila</i>	Dwarf Clearweed			S3		4 Secure	44		43.1 ± 0.0	PE
P	<i>Viola adunca</i>	Hooked Violet			S3		4 Secure	2		70.7 ± 0.0	NB
P	<i>Viola nephrophylla</i>	Northern Bog Violet			S3		4 Secure	3		49.4 ± 0.0	PE
P	<i>Carex aquatilis</i>	Water Sedge			S3		4 Secure	19		16.5 ± 0.0	NB
P	<i>Carex arcta</i>	Northern Clustered Sedge			S3		4 Secure	3		67.2 ± 20.0	NB
P	<i>Carex atratifloris</i>	Scabrous Black Sedge			S3		4 Secure	3		87.9 ± 0.0	NS
P	<i>Carex capillaris</i>	Hairlike Sedge			S3		4 Secure	8		56.3 ± 0.0	NS
P	<i>Carex chondrorhiza</i>	Creeping Sedge			S3		4 Secure	53		28.7 ± 0.0	NB
P	<i>Carex conoidea</i>	Field Sedge			S3		4 Secure	6		7.6 ± 0.0	NB
P	<i>Carex eburnea</i>	Bristle-leaved Sedge			S3		4 Secure	2		64.4 ± 100.0	NB
P	<i>Carex exilis</i>	Coastal Sedge			S3		4 Secure	1		78.4 ± 0.0	NB
P	<i>Carex garberi</i>	Garber's Sedge			S3		3 Sensitive	1		18.4 ± 0.0	NB
P	<i>Carex haydenii</i>	Hayden's Sedge			S3		4 Secure	2		20.8 ± 0.0	NB
P	<i>Carex lupulina</i>	Hop Sedge			S3		4 Secure	4		54.3 ± 3.0	NS
P	<i>Carex michauxiana</i>	Michaux's Sedge			S3		4 Secure	7		30.9 ± 0.0	NS
P	<i>Carex ornostachya</i>	Necklace Spike Sedge			S3		4 Secure	4		38.6 ± 1.0	NB
P	<i>Carex rosea</i>	Rosy Sedge			S3		4 Secure	7		88.0 ± 1.0	NS
P	<i>Carex tenera</i>	Tender Sedge			S3		4 Secure	8		27.8 ± 0.0	NB
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge			S3		4 Secure	18		46.7 ± 0.0	NS
P	<i>Carex wiegandii</i>	Wiegand's Sedge			S3		4 Secure	113		12.8 ± 0.0	NB
P	<i>Carex recta</i>	Estuary Sedge			S3		4 Secure	19		32.4 ± 0.0	NB
P	<i>Cyperus dentatus</i>	Toothed Flat-sedge			S3		4 Secure	1		56.2 ± 1.0	NB
P	<i>Cyperus esculentus</i>	Perennial Yellow Nut-sedge			S3		4 Secure	1		84.4 ± 0.0	NB
P	<i>Eleocharis intermedia</i>	Matted Spikerush			S3		4 Secure	1		93.1 ± 0.0	NB
P	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush			S3		4 Secure	1		88.3 ± 0.0	PE
P	<i>Rhynchospora fusca</i>	Brown Beakrush			S3		4 Secure	8		31.0 ± 0.0	NS
P	<i>Trichophorum clintonii</i>	Clinton's Clubrush			S3		4 Secure	18		91.5 ± 0.0	NB
P	<i>Schoenoplectus fluviatilis</i>	River Bulrush			S3		3 Sensitive	4		31.6 ± 1.0	NB
P	<i>Schoenoplectus torreyi</i>	Torrey's Bulrush			S3		4 Secure	1		34.5 ± 0.0	NB
P	<i>Lemma trisulca</i>	Star Duckweed			S3		4 Secure	20		29.7 ± 1.0	NB
P	<i>Cyripedium reginae</i>	Showy Lady's-Slipper			S3		3 Sensitive	27		35.4 ± 1.0	NS
P	<i>Liparis loeselii</i>	Loesel's Twayblade			S3		4 Secure	38		18.6 ± 0.0	NB
P	<i>Platanthera blephariglottis</i>	White Fringed Orchid			S3		4 Secure	74		9.6 ± 0.0	NB
P	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid			S3		3 Sensitive	35		18.6 ± 0.0	NB
P	<i>Bromus latiglumis</i>	Broad-Grumed Brome			S3		3 Sensitive	4		63.0 ± 0.0	NS
P	<i>Calamagrostis pickeringii</i>	Pickering's Reed Grass			S3		4 Secure	6		71.1 ± 0.0	NB
P	<i>Dichanthium depauperatum</i>	Starved Panic Grass			S3		4 Secure	6		56.4 ± 0.0	NB
P	<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed			S3		4 Secure	31		27.2 ± 0.0	NB
P	<i>Xyris montana</i>	Northern Yellow-Eyed-Grass			S3		4 Secure	47		12.9 ± 0.0	NB
P	<i>Zannichella palustris</i>	Horned Pondweed			S3		4 Secure	51		7.7 ± 0.0	NB
P	<i>Cryptogramma stelleri</i>	Steller's Rockbrake			S3		4 Secure	1		94.8 ± 0.0	NS
P	<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort			S3		4 Secure	11		70.5 ± 1.0	NB
P	<i>Dryopteris fragrans</i>	Fragrant Wood Fern			S3		4 Secure	32		79.6 ± 0.0	NB
P	<i>var. remotiuscula</i>	Smooth Cliff Fern			S3		4 Secure	20		79.6 ± 0.0	NB
P	<i>Woodsia glabella</i>	Tuckerman's Quillwort			S3		4 Secure	2		86.0 ± 0.0	NB
P	<i>Isaetes tuckermanii</i>	Ground-Fir			S3		4 Secure	16		33.3 ± 0.0	NB
P	<i>Lycopodium sabinifolium</i>	Appalachian Fir-Clubmoss			S3		3 Sensitive	13		83.8 ± 1.0	NS
P	<i>Huperzia appalachiana</i>	Cut-leaved Moonwort			S3		4 Secure	7		27.5 ± 1.0	NB

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P	<i>Botrychium lanceolatum</i> var.	Lance-Leaf Grape-Fern			S3	3 Sensitive		10	31.4 ± 0.0	NB
P	<i>Botrychium simplex</i>	Least Moonwort			S3	4 Secure		7	33.5 ± 0.0	NB
P	<i>appalachianum</i>	Appalachian Polypody			S3	4 Secure		15	52.8 ± 0.0	PE
P	<i>Crataegus submollis</i>	Quebec Hawthorn			S3?	3 Sensitive		2	92.3 ± 7.0	NS
P	<i>Mertensia maritima</i>	Sea Lungwort			S3S4	4 Secure		4	55.4 ± 0.0	NB
P	<i>Suaeda calceoliformis</i>	Horned Sea-blite			S3S4	4 Secure		41	5.1 ± 0.0	NB
P	<i>Myriophyllum sibiricum</i>	Siberian Water Milfoil			S3S4	4 Secure		31	48.5 ± 0.0	NS
P	<i>Utricularia gibba</i>	Humped Bladderwort			S3S4	4 Secure		4	11.1 ± 0.0	NB
P	<i>Rumex maritimus</i>	Sea-Side Dock			S3S4	4 Secure		89	3.4 ± 1.0	NB
P	<i>Rumex maritimus</i> var. <i>fueginus</i>	Tierra del Fuego Dock			S3S4	4 Secure		14	39.5 ± 0.0	NB
P	<i>Rubus chamaemorus</i>	Cloudberry			S3S4	4 Secure		50	32.0 ± 1.0	NB
P	<i>Geocaulon lividum</i>	Northern Comandra			S3S4	4 Secure		34	27.5 ± 1.0	NB
P	<i>Juniperus horizontalis</i>	Creeping Juniper			S3S4	4 Secure		32	44.6 ± 0.0	PE
P	<i>Cladium mariscoides</i>	Smooth Twigrush			S3S4	4 Secure		7	10.4 ± 1.0	NB
P	<i>Eriophorum russeolum</i>	Russet Cottongrass			S3S4	4 Secure		195	8.3 ± 0.0	NB
P	<i>Triglochin aspensis</i>	Gasp – Arrowgrass			S3S4	4 Secure		63	6.9 ± 0.0	NB
P	<i>Sporobola polyrrhiza</i>	Great Duckweed			S3S4	4 Secure		31	30.8 ± 0.0	NB
P	<i>Corallorhiza maculata</i>	Spotted Coralroot			S3S4	3 Sensitive		24	32.2 ± 5.0	NB
P	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass			S3S4	4 Secure		26	16.8 ± 2.0	NB
P	<i>ssp. stricta</i>	Slim-stemmed Reed Grass			S3S4	4 Secure		8	33.6 ± 0.0	NS
P	<i>Calamagrostis stricta</i> var. <i>stricta</i>	Slim-stemmed Reed Grass			S3S4	4 Secure		22	44.1 ± 0.0	PE
P	<i>Distichlis spicata</i>	Salt Grass			S3S4	4 Secure		86	9.4 ± 0.0	NB
P	<i>Potamogeton oakesianus</i>	Oakes' Pondweed			S3S4	4 Secure		8	11.1 ± 0.0	NB
P	<i>Polygonum railii</i>	Sharp-fruited Knotweed			SH	0.1 Extirpated		4	86.5 ± 20.0	PE
P	<i>Montia fontana</i>	Water Blinks			SH	2 May Be At Risk		2	16.7 ± 1.0	NB
P	<i>Agalinis maritima</i>	Saltmarsh Agalinis			SX	0.1 Extirpated		2	71.4 ± 50.0	NB

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

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Plantlist

Appendix C – Plantlist

Scientific Name	Common Name	Srank
<i>Equisetum pratense</i>	Meadow Horsetail	S4
<i>Maianthemum stellatum</i>	Starry False Solomon's Seal	S4S5
<i>Schoenoplectus acutus</i>	Hardstem Bulrush	S4S5
<i>Abies balsamea</i>	Balsam Fir	S5
<i>Acer rubrum</i>	Red Maple	S5
<i>Agrostis stolonifera</i>	Creeping Bent Grass	S5
<i>Alnus incana</i>	Speckled Alder	S5
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	S5
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	S5
<i>Athyrium filix-femina</i>	Common Lady Fern	S5
<i>Betula papyrifera</i>	Paper Birch	S5
<i>Bidens frondosa</i>	Devil's Beggarticks	S5
<i>Carex intumescens</i>	Bladder Sedge	S5
<i>Carex pseudocyperus</i>	Cyperuslike Sedge	S5
<i>Carex stipata</i>	Awl-fruited Sedge	S5
<i>Chelone glabra</i>	White Turtlehead	S5
<i>Chrysosplenium americanum</i>	American Golden Saxifrage	S5
<i>Cinna latifolia</i>	Drooping Wood Reed Grass	S5
<i>Dalibarda repens</i>	Dewdrop	S5
<i>Doellingeria umbellata</i>	Hairy Flat-top White Aster	S5
<i>Dryopteris cristata</i>	Crested Wood Fern	S5
<i>Epilobium ciliatum</i>	Northern Willowherb	S5
<i>Epilobium leptophyllum</i>	Bog Willowherb	S5
<i>Equisetum arvense</i>	Field Horsetail	S5
<i>Eupatorium maculatum</i>	Spotted Joe-pye-weed	S5
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	S5
<i>Geum aleppicum</i>	Yellow Avens	S5
<i>Glyceria striata</i>	Fowl Manna Grass	S5
<i>Gymnocarpium dryopteris</i>	Common Oak Fern	S5
<i>Ilex verticillata</i>	Common Winterberry	S5
<i>Impatiens capensis</i>	Spotted Jewelweed	S5
<i>Juncus effusus</i>	Soft Rush	S5

Scientific Name	Common Name	Srank
<i>Larix laricina</i>	Tamarack	S5
<i>Lycopus uniflorus</i>	Northern Water Horehound	S5
<i>Mentha arvensis</i>	Wild Mint	S5
<i>Onoclea sensibilis</i>	Sensitive Fern	S5
<i>Osmunda cinnamomea</i>	Cinnamon Fern	S5
<i>Picea glauca</i>	White Spruce	S5
<i>Polygonum sagittatum</i>	Arrow-leaved Smartweed	S5
<i>Populus tremuloides</i>	Trembling Aspen	S5
<i>Prunus pensylvanica</i>	Pin Cherry	S5
<i>Prunus virginiana</i>	Chokecherry	S5
<i>Ribes glandulosum</i>	Skunk Currant	S5
<i>Rosa virginiana</i>	Virginia Rose	S5
<i>Rubus idaeus</i>	Red Raspberry	S5
<i>Rubus pubescens</i>	Dwarf Red Raspberry	S5
<i>Rumex orbiculatus</i>	Greater Water Dock	S5
<i>Salix discolor</i>	Pussy Willow	S5
<i>Salix eriocephala</i>	Cottony Willow	S5
<i>Scutellaria lateriflora</i>	Mad-dog Skullcap	S5
<i>Sium suave</i>	Common Water Parsnip	S5
<i>Solidago canadensis</i>	Canada Goldenrod	S5
<i>Spartina pectinata</i>	Prairie Cord Grass	S5
<i>Spiraea alba</i>	White Meadowsweet	S5
<i>Symphotrichum puniceum</i>	Purple-stemmed Aster	S5
<i>Thalictrum pubescens</i>	Tall Meadow-Rue	S5
<i>Thelypteris palustris</i>	Eastern Marsh Fern	S5
<i>Thuja occidentalis</i>	Eastern White Cedar	S5
<i>Typha latifolia</i>	Broad-leaved Cattail	S5
<i>Viburnum nudum</i>	Northern Wild Raisin	S5
<i>Anthoxanthum odoratum</i>	Large Sweet Vernal Grass	SNA
<i>Cardamine pratensis</i>	Cuckoo Flower	SNA
<i>Echinochloa crus-galli</i>	Large Barnyard Grass	SNA
<i>Euphrasia nemorosa</i>	Common Eyebright	SNA
<i>Galeopsis tetrahit</i>	Common Hemp-nettle	SNA

Scientific Name	Common Name	Srank
<i>Galium aparine</i>	Common Bedstraw	SNA
<i>Hieracium piloselloides</i>	Tall Hawkweed	SNA
<i>Leontodon autumnalis</i>	Fall Dandelion	SNA
<i>Parthenocissus quinquefolia</i>	Virginia Creeper	SNA
<i>Phleum pratense</i>	Common Timothy	SNA
<i>Poa annua</i>	Annual Blue Grass	SNA
<i>Polygonum hydropiper</i>	Marshpepper Smartweed	SNA
<i>Ranunculus acris</i>	Common Buttercup	SNA
<i>Ranunculus repens</i>	Creeping Buttercup	SNA
<i>Solanum dulcamara</i>	Bittersweet Nightshade	SNA
<i>Taraxacum officinale</i>	Common Dandelion	SNA
<i>Trifolium repens</i>	White Clover	SNA
<i>Tussilago farfara</i>	Coltsfoot	SNA
<i>Valeriana officinalis</i>	Common Valerian	SNA
<i>Vicia cracca</i>	Tufted Vetch	SNA

Habitat Photos

Appendix C - Habitat Photos



Habitat 1

Mature White Birch with fewer graminoids (like Wetland Datapoint 2)



Habitat 3

More larger upland trees such as Trembling Aspen



4, 5, 6, 7, 8

Presence of larger trees including American Larch, White Spruce and Trembling Aspen. Raspberry dominant in understory. Upland habitat with no wetland hydrology.



9

Upland habitat. Edge of Rose and Spiraea meadow.



11

Marsh habitat on north side of road near culvert.



15

Marsh near road near the northern property boundary across from local residences.

Wetland Delineation Sheets & Photos

Appendix: Delineation Forms

Project Site: Cap Pele Date: Sept. 16, 2016 Sample Point: 1 Job #:
 Client/owner: Daigle Field Investigator(s): Theo Popma
 County: Westmorland Coordinates: 46.22634494; -64.31780049
 PID: 70314075 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No Roadways, clearing, walking trails, old field
Is this a potential Problem Area? Yes No Explain: Roadways, clearing, walking trails, old field

Wetland Determination
 (Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Determination

YES NO

Wetland Type:
Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)		%Cover	Dominant Species	Indicator Status
1	<i>Onoclea sensibilis</i>	20	x	facw
2	<i>Solanum dulcamara</i>	5		fac
3	<i>Rubus pubescens</i>	30	x	fac
4	<i>Doellingeria umbellata</i>	5		fac
5				#N/A
6				#N/A
Total		60		#N/A

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	4
Total # of Dominant Species across all strata:	4
% of Dominant Species	100

Shrub Stratum: (Plot size: 5m2)

1	<i>Alnus incana</i>	70	x	facw
2	<i>Prunus virginiana</i>	10		fac
3	<i>Populus tremuloides</i>	15		fac
4	<i>Dryopteris intermedia</i>	5		fac
5	<i>Spiraea alba</i>	10		fac
Total		110		

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:	
OBL Species	x 1 =	0
FACW Species	x 2 =	0
FAC Species	x 3 =	0
FACU Species	x 4 =	0
ULP Species	x 5 =	0
Column Totals:		0

Prevalence Index = B/A = ###

Herb Stratum: (Plot Size: 1m2)

1	<i>Populus tremuloides</i>	10	x	fac
2				
3				
4				
5				
Total		10		

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrologic Vegetation
 Dominance Test is >50%
 Prevalence Index is <3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Hydrology

Primary Hydrological Indicators: (minimum of one is required, check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Watermarks
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat of Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water Stained Leaves (B9)
- Aquatic Fauna (B13)
- Marl Deposits (B15)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron reduction in tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators: (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- Microtopographic Relief (D4)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth
 Water Table Present? Yes No Depth **Wetland Hydrology Present?** Yes No
 Saturation Present? Yes No Depth

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				Loc ²	Texture	Remarks
	Color(moist)	%	Color(moist)	%	Type ¹				
0 to 4									
5 to 34	7.5YR 3/3	99					Organic Sandy (alluvial)		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surfaces (S7)
- Polyvalue Below Surface (S8)
- Thin Dark Surface (S9)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Depth: **Hydric Soil Present?** Yes No

Comments:

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016
 Sample Point: 2
 Job #:
 Field Investigator(s): Theo Popma
 Coordinates: 46.22620689; -64.31673297
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No
 Is this a potential **Problem Area?** Yes No Explain: Roadways, clearing, walking trails, old field

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Determination

YES NO

Wetland Type:
Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1 <i>Carex stipata</i>	5		obl
2 <i>Lysimachia terrestris</i>	5		facw+
3 <i>Rubus pubescens</i>	15	x	fac
4 <i>Calamagrostis canadensis</i>	20	x	facw
5 <i>Thalictrum pubescens</i>	5		facw
6			
twenty 10	50	= Total Cover	

Dominance Test Worksheet:

# of Dominant Species that are OBL, FACW, FAC:	3
Total # of Dominant Species across all strata:	4
% of Dominant Species	75

Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1 <i>Spiraea alba</i>	5		fac
2 <i>Alnus incana</i>	75	x	facw
3 <i>Salix discolor</i>	20		fac
4 <i>Prunus virginiana</i>	5		fac
5			
twenty 21	105	= Total Cover	

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:	
OBL Species	x 1 =	0
FACW Species	x 2 =	0
FAC Species	x 3 =	0
FACU Species	x 4 =	0
ULP Species	x 5 =	0
Column Totals:		0

Prevalence Index = B/A = ###

Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1 <i>Betula papyrifera</i>	5	x	facu
2			
3			
4			
5			
twenty 1	5	= Total Cover	

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrolytic Vegetation
 Dominance Test is >50%
 Prevalence Index is <3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016
 Field Investigator(s): Theo Popma
 Coordinates: 46.22572602; -64.31641580
 Sample Point: 3
 Job #:
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No Old field
 Is this a potential Problem Area? Yes No Explain: Old field

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Type: Shrub Swamp

Rational for Determination:

Wetland Determination

YES NO

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1			#N/A
2	none		#N/A
3			#N/A
4			#N/A
5			#N/A
6			#N/A
0 = Total Cover			

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	4
Total # of Dominant Species across all strata:	4
% of Dominant Species	100

Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1	25	<i>Spiraea alba</i>	fac
2	80	<i>Alnus incana</i>	facw
3	10	<i>Salix bebbiana</i>	fac
4			#N/A
5			
23 = Total Cover			

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:	
OBL Species	x 1 =	0
FACW Species	x 2 =	0
FAC Species	x 3 =	0
FACU Species	x 4 =	0
ULP Species	x 5 =	0
Column Totals:		0

Prevalence Index = B/A = ###

Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1	20	<i>Carex stipata</i>	obl
2	15	<i>Calamagrostis canadensis</i>	facw
3	5	<i>Impatiens capensis</i>	fac
4			
5			
8 = Total Cover			

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrolic Vegetation
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Hydrology

Primary Hydrological Indicators: (minimum of one is required, check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Watermarks
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat of Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water Stained Leaves (B9)
- Aquatic Fauna (B13)
- Marl Deposits (B15)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron reduction in tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators: (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- Microtopographic Relief (D4)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth
 Water Table Present? Yes No Depth
 Saturation Present? Yes No Depth 5cm

Wetland Hydrology Present? Yes No

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				Loc ²	Texture	Remarks
	Color(moist)	%	Color(moist)	%	Type ¹				
0 to 6							organic		
6 to 21	7.5 3/2						Sandy		
21 to 35	5YR 4/4						Sandy		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surfaces (S7)
- Polyvalue Below Surface (S8)
- Thin Dark Surface (S9)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Depth: **Hydric Soil Present?** Yes No

Comments:

Alluvial

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016
 Field Investigator(s): Theo Popma
 Coordinates: 46.22556089; -64.31648344
 Sample Point: 4
 Job #: _____
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No Old field; drainage and vegetation affected by excavation and nearby development
 Is this a potential Problem Area? Yes No Explain: see above

Wetland Determination
 (Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Determination

YES NO

Wetland Type:
Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1 <i>Populus tremuloides</i>	2	x	fac
2			
3			
4			
5			
6			
twenty 0.4			
	2	= Total Cover	

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	3
Total # of Dominant Species across all strata:	3
% of Dominant Species	100

Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1 <i>Spiraea alba</i>	10		fac
2 <i>Alnus incana</i>	60	x	facw
3 <i>Populus tremuloides</i>	15		fac
4			
5			
twenty 17			
	85	= Total Cover	

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:
OBL Species	x 1 = 0
FACW Species	x 2 = 0
FAC Species	x 3 = 0
FACU Species	x 4 = 0
ULP Species	x 5 = 0
Column Totals:	0

Prevalence Index = B/A = ###

Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1 <i>Rubus pubescens</i>	20	x	fac
2 <i>Doellingeria umbellata</i>	15		fac
3			
4			
5			
twenty 7			
	35	= Total Cover	

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrologic Vegetation
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016 Sample Point: 5 Job #:
 Field Investigator(s): Theo Popma
 Coordinates: 46.22495145; -64.31593535
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No Old field regenerating near roads and trails
 Is this a potential Problem Area? Yes No Explain:

Wetland Determination
 (Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Determination	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

Wetland Type:
Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1 <i>Betula papyrifera</i>	10	x	facu
2			
3			
4			
5			
6			
twenty 2	10	= Total Cover	

Dominance Test Worksheet:

# of Dominant Species that are OBL, FACW, FAC:	2
Total # of Dominant Species across all strata:	3
% of Dominant Species	66.7

Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1 <i>Alnus incana</i>	75	x	facw
2			
3			
4			
5			
twenty 15	75	= Total Cover	

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:	
OBL Species	x 1 =	0
FACW Species	x 2 =	0
FAC Species	x 3 =	0
FACU Species	x 4 =	0
ULP Species	x 5 =	0
Column Totals:		0
Prevalence Index = B/A = ###		

Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1 <i>Calamagrostis canadensis</i>	60	x	facw
2 <i>Solidago canadensis</i>	5		fac
3 <i>Onoclea sensibilis</i>	10		facw
4 <i>Calystegia sepium</i>	5		facw
5 <i>Impatiens capensis</i>	5		fac
twenty 17	85	= Total Cover	

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydroic Vegetation
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016
 Field Investigator(s): Theo Popma
 Coordinates: 46.22459228; -64.31414933
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No regenerating old field near roads and ditches
 Is this a potential Problem Area? Yes No Explain:

Wetland Determination
 (Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Determination	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

Wetland Type:
Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1 none			
2			
3			
4			
5			
6			
twenty 0	0	= Total Cover	

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	3
Total # of Dominant Species across all strata:	3
% of Dominant Species	100

Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1 <i>Alnus incana</i>	30	x	facw
2 <i>Salix discolor</i>	10	x	fac
3 <i>Rosa virginiana</i>	5		fac
4			
5			
twenty 9	45	= Total Cover	

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:
OBL Species	x 1 = 0
FACW Species	x 2 = 0
FAC Species	x 3 = 0
FACU Species	x 4 = 0
ULP Species	x 5 = 0
Column Totals:	0
Prevalence Index = B/A = ###	

Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1 <i>Onoclea sensibilis</i>	90	x	facw
2			
3			
4			
5			
twenty 18	90	= Total Cover	

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrologic Vegetation
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016 Sample Point: 7 Job #:
 Field Investigator(s): Theo Popma
 Coordinates: 46.22406187; -64.31411555
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No Regenerating old field affected by poor drainage and near roads/trails
 Is this a potential Problem Area? Yes No Explain: Regenerating old field affected by poor drainage and near roads/trails

Wetland Determination
 (Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Determination

YES NO

Wetland Type:
Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1 none			
2			
3			
4			
5			
6			
twenty 0			
0 = Total Cover			

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	6
Total # of Dominant Species across all strata:	6
% of Dominant Species	100

Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1 <i>Spiraea alba</i>	20	x	fac
2 <i>Salix bebbiana</i>	20	x	fac
3 <i>Ilex verticillata</i>	20	x	facw+
4 <i>Rosa virginiana</i>	20	x	fac
5			
twenty 16	80		
80 = Total Cover			

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:	
OBL Species	x 1 =	0
FACW Species	x 2 =	0
FAC Species	x 3 =	0
FACU Species	x 4 =	0
ULP Species	x 5 =	0
Column Totals:		0

Prevalence Index = B/A = ###

Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1 <i>Onoclea sensibilis</i>	20	x	facw
2 <i>Calamagrostis canadensis</i>	50	x	facw
3			
4			
5			
twenty 14	70		
70 = Total Cover			

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrologic Vegetation
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Hydrology

Primary Hydrological Indicators: (minimum of one is required, check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Watermarks
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat of Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water Stained Leaves (B9)
- Aquatic Fauna (B13)
- Marl Deposits (B15)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron reduction in tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators: (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- Microtopographic Relief (D4)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth
 Water Table Present? Yes No Depth
 Saturation Present? Yes No Depth
Wetland Hydrology Present? Yes No

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				Loc ²	Texture	Remarks
	Color(moist)	%	Color(moist)	%	Type ¹				
0 to 6								organic	
6 to 20	10YR 3/3							Sandy	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surfaces (S7)
- Polyvalue Below Surface (S8)
- Thin Dark Surface (S9)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Depth: **Hydric Soil Present?** Yes No

Comments:

Project Site: Cap Pele
 Client/owner: Daigle
 County: Westmorland
 PID: 70314075

Date: Sept. 16, 2016
 Field Investigator(s): Theo Popma
 Coordinates: 46.22386993; -64.31177549
 Do normal environmental conditions exist on-site? Yes No

If no, explain:

Atypical Situation? Yes No Old field
 Is this a potential Problem Area? Yes No Explain:

Wetland Determination
 (Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule) Yes No
 Wetland Hydrology Yes No
 Hydric Soils Yes No

Wetland Type: Forested Wetland
 Rational for Determination: Cedar Swamp

Wetland Determination	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Vegetation

Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1 <i>Thuja occidentalis</i>	10	x	facw
2 <i>Picea glauca</i>	10	x	fac
3			
4			
5			
6			
twenty 4			
	20	= Total Cover	
Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1 <i>Thuja occidentalis</i>	10		facw
2 <i>Alnus incana</i>	40	x	facw
3			
4			
5			
twenty 10			
	50	= Total Cover	
Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1 <i>Cardamine pratensis</i>	20	x	fac
2 <i>Rubus pubescens</i>	20	x	fac
3 <i>Impatiens capensis</i>	20	x	fac
4 <i>Solanum dulcamara</i>	10		fac
5			
twenty 14			
	70	= Total Cover	

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	6
Total # of Dominant Species across all strata:	6
% of Dominant Species	100

Prevalence Index Worksheet:

Total %Cover of:	Multiply by:
OBL Species	x 1 = 0
FACW Species	x 2 = 0
FAC Species	x 3 = 0
FACU Species	x 4 = 0
ULP Species	x 5 = 0
Column Totals:	0
Prevalence Index = B/A = ###	

Hydrophytic Vegetation Indicators:
 Rapid Test for Hydrologic Vegetation
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (explain)
 Problematic Hydrophytic Vegetation¹(explain)

Comments

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Appendix C - Wetland Datapoint Photos



Datapoint 1



Datapoint 2



Datapoint 3



Datapoint 5



Datapoint 8



Datapoint 14



Datapoint 16



Datapoint 21



Datapoint 22

Wetland Functional Analysis

Cover Page: Basic Description of Assessment

Site Name:

Investigator Name:

Date of Field Assessment:

Nearest Town:

Latitude (decimal degrees):

Longitude (decimal degrees):

Approximate size of the Assessment Area (AA, in acres):

AA as percent of entire wetland (approx.). Attach sketch map if AA is smaller than the entire contiguous wetland.

What percent (approximate) of the **wetland** were you able to visit?

What percent (approximate) of the **AA** were you able to visit?

Have you attended a WESP-AC training session? If so, indicate approximate month & year.

How many wetlands have you assessed previously using WESP-AC?

(approximate)

Comments about the site or this WESP-AC assessment (attach extra page if desired):

WESP-AC version 1.1
Aboiteau
Theo Popma
TBA
Cap Pele
46.2255
61.3136
1.00
100%
TBA
TBA
Jul-16
50
Office' portion only

A	B	C	D
#	Indicators	Condition Choices	Data
3			
4	Wetland Herbaceous Area	From "duck's eye" (aerial) view, the area of herbaceous vegetation (grasslike plants, excluding moss & ferns) in the Assessment Area (AA) plus in any contiguous herbaceous wetland is:	
5		<0.01 hectare (about 10 m x 10 m)	0
6		0.01 - 0.1 hectare	0
7		0.1 - 1 hectare	1
8		1 to 10 hectares	0
9		10 to 100 hectares	0
10		>100 hectares	0
11	Wetland + Water Total Area	The total area of the AA including ponded water within or adjoining it is:	
12		<0.01 hectare (about 10 m x 10 m)	1
13		0.01 - 0.1 hectare	0
14		0.1 - 1 hectare	0
15		1 to 10 hectares	0
16		10 to 100 hectares	0
17		>100 hectares	0
18	Size of Largest Nearby Vegetated Tract or Corridor	Including the AA's vegetated area, the largest patch or corridor that is unmanaged vegetation cover (excluding lawn, row crops, heavily grazed lands, conifer plantation) and is contiguous with vegetation in the AA (i.e., not completely separated by highways or channels that are uniformly wider than 50 m), occupies:	
19		<0.01 hectare (about 10 m x 10 m)	0
20		0.01 - 0.1 hectare	0
21		0.1 - 1 hectare	0
22		1 to 10 hectares	0
23		10 to 100 hectares	0
24		100 to 1000 hectares	0
25		>1000 hectares [<i>This is nearly always the answer in relatively undeveloped landscapes.</i>]	1
26	Distance to Large Vegetated Tract	The minimum distance from the AA edge to the edge of the closest patch or corridor of unmanaged vegetated land (excluding row crops, lawn, conifer plantation) larger than 375 hectares , is:	
27		<50 m, and not separated from the 375-ha vegetated area by any width of roads, stretches of open water, row crops, bare ground, lawn, or impervious surface. Or the AA itself contains >375 ha of vegetation. [<i>This is often the answer in relatively undeveloped landscapes.</i>]	0
28		<50 m, but completely separated from the 375-ha vegetated area by those features, and AA does not contain >375 ha of vegetation.	1

	A	B	C	D
29			50-500 m, and not separated.	0
30			50-500 m, but separated by those features.	0
31			0.5 - 5 km, and not separated.	0
32			0.5 - 5 km, but separated by those features.	0
33			none of the above (the closest patches or corridors which are that large are >5 km away).	0
	OF5	Herbaceous Uniqueness	Does the AA contain the largest unmanaged herbaceous* patch within 5 km of the AA's edge? (or is the AA's vegetation mostly herbaceous but uplands within 5 km have <10% herbaceous cover?). If so, enter "3" and continue to OF6. If not, consider: Does the AA have the largest unmanaged herbaceous patch within 1 km ? (or is the AA's vegetation mostly herbaceous but uplands within 1 km have <10% herbaceous cover?); if so enter "2" and continue to OF6. If not, consider: Does the AA have the largest unmanaged patch of herbaceous vegetation within 100 m ? (or is the AA's vegetation mostly herbaceous but uplands within 100 m have <10% herbaceous cover?) If so, enter "1" [* NOTE: Exclude lawns, row crops, heavily grazed lands, forest, shrublands. Include moss as well as grasslike plants in this use of "herbaceous vegetation"]	1
34				
	OF6	Woody Uniqueness	Does the AA contain the largest unmanaged woody* patch within 5 km ? (or is the AA's vegetation mostly woody but uplands within 5 km have <10% woody cover?). If so, enter "3" and continue to OF6. If not, consider: Does the AA have the largest unmanaged woody patch within 1 km ? (or is the AA's vegetation mostly woody but uplands within 1 km have <10% woody cover?); if so enter "2" and continue to OF6. If not, consider: Does the AA have the largest unmanaged patch of woody vegetation within 100 m ? (or is the AA's vegetation mostly woody but uplands within 100 m have <10% woody cover?) If so, enter "1". [*NOTE: woody = Shrubland and forest, but exclude conifer plantations.]	0
35				
	OF7	Unmanaged Cover Percentage	Draw a 5-km radius circle measured from the center of the AA. Ignoring all permanent water in the circle, the percent of the remaining area that has unmanaged vegetated cover (excluding lawn, row crops, heavily grazed land, clearcuts, and conifer plantations) is: <5% of the land. 5 to 20% of the land. 20 to 60% of the land. 60 to 90% of the land. >90% of the land. SKIP to OF9.	0 1 0 0 0
36				
37				
38				
39				
40				
41				
	OF8	Type of Land Cover Alteration	Within the 5-km radius circle, and ignoring all permanent water, the land area that is not vegetated with unmanaged cover is mostly: impervious surface, e.g., paved road, parking lot, building, exposed rock. bare pervious surface, e.g., lawn, recent (<5 yrs ago) clearcut, dirt or gravel road, plowed fields, landslide, conifer plantation.	1
42				
43				
44				
	OF9	Distance by Road to Nearest Population Center	Measured along the maintained road nearest the AA, the distance to the nearest population center is: <100 m	0
45				
46				

	A	B	C	D
47			100 - 500 m	0
48			0.5- 1 km	1
49			1 - 5 km	0
50			>5 km	0
OF10		Distance to Nearest Maintained Road	From the center of the AA, the distance to the nearest maintained public road (dirt or paved) is:	
51			<10 m	1
52			10 - 25 m	0
53			25 - 50 m	0
54			50 - 100 m	0
55			100 - 500 m	0
56			>500 m	0
57				0
OF11		Wildlife Access	Draw a circle of radius of 5 km from the center of the AA. If mammals and amphibians can move from the center of the AA to ALL other separate wetlands and ponds located within the circle without being forced to cross pavement (any width), lawns, bare ground, and/or marine waters, mark 1= yes can move to all, 0= no. Change to blank if there are no other wetlands within 5 km.	0
58				
OF12		Distance to Ponded Water	The distance from the AA edge to the closest (but separate) pond or lake is:	
59			<50 m, and not separated by any width of roads, stretches of open water, row crops, lawn, bare ground, or impervious surface.	0
60			<50 m, but completely separated by those features.	0
61			50-500 m, and not separated.	1
62			50-500 m, but separated by those features.	0
63			0.5 - 1 km, and not separated.	0
64			0.5 - 1 km, but separated by those features.	0
65			none of the above (the closest patches or corridors that large are >1 km away).	0
66				0
OF13		Distance to Lake	The distance from the AA edge to the closest (but separate) lake (a non-tidal body of water that is ponded during most of the year and is larger than 8 hectares) during most of a normal year is:	
67			<100 m	0
68			100 m - 1 km	0
69			1 - 2 km	0
70			2-5 km	1
71			5-10 km	0
72			>10 km	0
73				0
OF14		Tidal Proximity	The distance from the AA edge to the closest tidal water body (regardless of its salinity) is:	
74				

	A	B	C	D
75			<100 m	0
76			100 m - 1 km	1
77			1 - 5 km	0
78			5-10 km	0
79			10-40 km	0
80			>40 km	0
81	OF15	Upland Edge Contact	Select one:	
82			The AA has no upland edge (or upland is <1% of perimeter). The AA is entirely contiguous with other wetlands or water.	0
83			1-25% of the AA's perimeter abuts upland (including filled areas). The rest adjoins other wetlands or water that is mostly wider than the AA.	0
84			25-50% of the AA's perimeter abuts upland. The rest adjoins other wetlands or water that is mostly wider than the AA.	0
85			50-75% of the AA's perimeter abuts upland. The rest adjoins other wetlands or water that is mostly wider than the AA.	0
86			More than 75% of the AA's perimeter abuts upland. Any remainder adjoins other wetlands or water that is mostly wider than the AA. This will be true for most assessments done with WESP-AC.	0
87	OF16	Flood Zone	The AA is within a mapped Flood Zone or Flood Risk area, or an area in which river- or stream-associated floods within the past 20 years have damaged bridges, roads, buildings, or other infrastructure (not farmlands) within 5 km downslope from the AA. The floods must not be related to tidal influence or waves . If true, enter "1" in next column. If neither are true AND AA is not in a river floodplain, enter "0" and SKIP to OF18 . Otherwise, change to blank before skipping to OF18.	0
88	OF17	Flood Damage	Within the mapped Flood Zone, Flood Risk area, or area with known flood damage, ALL the following are true (if all true, enter "1" in next column. If false, enter "0") (a) there are bridges, roads, buildings, or other infrastructure (not just farmlands) within 5 km downslope from the AA that are vulnerable to damaging floods; (b) the damages would be caused mainly by rising river levels associated with precipitation and/or snowmelt, not primarily by high tides, hillslope runoff, or river ice jams, AND (c) between the AA and the damage area, peak flow in a connecting channel (if any) is NOT regulated by dams.	0
89	OF18	Relative Elevation in Watershed	To view watersheds, open Google Earth and then the NB_Watersheds.kmz file that accompanies this calculator. Determine the AA's position in its watershed as follows: 1) If the AA is on a channel wider than 10 m, or has both inlet & outlet and is closer to the watershed's outlet than to its upper end, check "lower 1/3." 2) If the AA is the source of a headwater stream, or lacks an outlet and is close to the watershed's outer margin, then check "upper 1/3." For all other conditions, check "middle 1/3".	
90			in the upper one-third of its watershed.	0
91			in the middle one-third of its watershed.	0
92			in the lower one-third of its watershed.	1

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OF19 93	Water Quality Sensitivity	The AA is in an area where research or map analysis (if any) has indicated groundwater may be at higher risk of contamination. Enter 1= yes, 0= no. In NB: includes but not limited to Designated Protected Watershed or Protected Wellfield. Go to: http://www.snb.ca/geonb1/e/apps/apps-E.asp	0
OF20 94	Erosion Potential Upslope	Within 100 m upstream or upslope from the AA, a stream channel, riverbank, or upland area is likely to have high potential for mass movement (slides or slumping) due to soil composition, slope, and exposure. Enter 1= yes, 0= no.	0
OF21 95	Degraded Water Upstream	Sampling indicates a problem with concentrations of metals, hydrocarbons, nutrients , or other substances (excluding bacteria, high temperatures) being present at levels harmful to aquatic life or humans, and:	
96		The condition is present within the AA.	0
97		The condition is present in waters within 1 km that flow into the AA, but has not been documented in the AA itself.	0
98		Sampling during both low water periods and times with high runoff (storms, snowmelt) indicates no problems in either the AA or inflowing waters.	0
99		Data are insufficient (no or inadequate sampling within 1 km, or condition exists only at >1 km upstream). This is the situation for nearly all NB wetlands.	1
100	Degraded Water Downstream	The problem described above is downslope from the AA, and:	
101		The condition is present within 1 km downslope and connected to the AA by a channel.	0
102		The condition is present within 5 km downslope and connected to the AA by a channel, or within 1 km but not connected to the AA by a channel.	0
103		Sampling during both low water periods and times with high runoff (storms, snowmelt) indicates no problems in either the AA or inflowing waters.	0
104		Data are insufficient (no or inadequate sampling within 1 km, or condition exists only at >1 km upstream). This is the situation for nearly all NB wetlands.	1
105	Contributing Area (CA) Percentage	Determine the approximate bounds of this AA's contributing area (follow the detailed directions in the Manual). Relative to the extent of that contributing area (CA), the AA comprises:	
106		<1% of its CA (includes most wetlands, especially those located low in watersheds, such as ones on major river floodplains or the marine shoreline).	1
107		1 to 10% of its CA.	0
108		10 to 100% of its CA.	0
109		Wetland has essentially no CA, e.g., isolated by dikes with no input channels, or is in terrain so flat that a CA can't be delineated. SKIP TO OF27 (Internal Gradient).	0
110	Unvegetated Surface in the Contributing Area	The proportion of the AA's contributing area (measured to no more than 1000 m upslope) that is comprised of buildings, roads, parking lots, other pavement, exposed bedrock, landslides, and other mostly-bare surface is about:	
111		<10%	1
112		10 to 25%	0
113		>25%	0

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OF25	Transport From Upslope	<p>A relatively large proportion of the precipitation that falls farther upslope in the CA reaches this wetland quickly as runoff (surface water), as indicated by the following:</p> <p>(a) input channel is present, (b) input channels have been straightened, (c) upslope wetlands have been ditched extensively, (d) land cover is mostly non-forest, (e) CA slopes are steep, and/or (f) most CA soils are shallow (bedrock near surface) and/or have high runoff coefficients.</p> <p>This statement is:</p>	
114		Mostly true	0
115		Somewhat true	0
116		Mostly untrue	1
117			
OF26	Aspect	<p>The overland flow direction of most surface water (in streams or runoff) that enters the AA is:</p>	
118		Northward (N, NE). north-facing contributing area.	1
119		Southward (S, SW). south-facing contributing area.	0
120		other (E, SE, W, NW), or no detectable uphill slope or input channel (flat).	0
121			
OF27	Internal Flow Distance (Path Length)	<p>The horizontal flow distance from the wetland's inlet to outlet is:</p>	
122		<10 m	0
123		10 - 50 m	0
124		50 - 100 m	1
125		100 - 1000 m	0
126		1 - 2 km	0
127		>2 km, or wetland lacks an outlet.	0
OF28	Growing Degree Days	<p>According to Figure A-1 in Appendix A of the Manual, the mean annual Growing Degree Days (GDD) in the vicinity of the AA is approximately:</p>	
129		800-1000 days	0
130		1000-1200	0
131		1200-1400	0
132		1400-1600	0
133		1600-1800	1
134		>1800 days	0
135			
OF29	Fish Access or Use	<p>According to agency biologists and/or your own observations, the AA: [mark just the first choice that is true]:</p>	
136			

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137			is known to support Atlantic salmon rearing and/or spawning. In NB, consult Figure A-2 in Appendix A of the Manual, or local fishery biologists. is connected to nearby waters containing Atlantic salmon and is probably salmon-accessible during some conditions, but anadromous salmon have not been documented in the AA.	0
138			is not connected to nearby salmon waters, but is known or likely to have other fish at least seasonally. In NB: includes but not limited to: http://www2.gnb.ca/content/gnb/en/departments/natural_resources/fish/content/StockedWaters.html	0
139			is known or likely to be fishless (e.g., too small, dry, and/or not accessible even temporarily).	1
140			Within the past 10 years, in the AA (or in its adjoining waters or wetland), qualified observers have documented [mark all applicable]:	
141	OF30	Species of Conservation Concern	Presence of one or more of the plant species listed in the Plants_Rare worksheet of the accompanying SupplInfo file, or (in NS only) the AA is within a mapped Atlantic Coastal Plain Flora Buffer as shown in Special Management Practice Zones at: https://nsgi.novascotia.ca/plv/	0
142			Presence of one or more of the amphibian or reptile species of conservation concern (AM) as listed in the Wildlife_Rare worksheet of the accompanying SupplInfo file	0
143			Presence of one or more of the waterbird species of conservation concern (WBF, WBN) as listed in the Wildlife_Rare worksheet of the accompanying SupplInfo file, during their nesting season (May-July for most species).	0
144			Presence of one or more of the nesting songbird or raptor species of conservation concern (SBM) as listed in the Wildlife_Rare worksheet of the accompanying SupplInfo file, during their nesting season (May-July for most species).	0
145			none of the above, or no data.	1
146			The AA is all or part of the West Shepody Bay or St. Johns River Important Bird Areas (IBA). See Figures A-3 & A-4 in Appendix A of the Manual. Enter 1= yes, 0= no.	0
147	OF31	Designated Important Bird Area (IBA)		
148	OF32	Black Duck Nesting Area	The AA is within an area mapped as generally high suitability (>20 pairs/25 sq km) for nesting American Black Duck. See Figure A-5 in Appendix A of the Manual. Enter 1= yes, 0= no.	0
149	OF33	Wintering Deer or Mainland Moose Concentration Area	The AA is all or part of a Deer Wintering Area or (in NS only) a Mainland Moose Concentration Area. If AA is on private land with no information, change to blank . Otherwise, in NB: In Google Earth, view the KMZ overlay that accompanies this calculator, or download the shapefile (Crown Lands Conservation Areas) at http://www.snb.ca/geomb1/eDC/catalogue-E.asp In NS: go to https://nsgi.novascotia.ca/plv/ and view Special Management Practice Zones> Mainland Moose Concentration Areas).	0
150	OF34	Other Conservation Designation	The AA is all or part of an area designated by the provincial government for its exceptional ecological features or highly intact natural conditions. Enter: yes= 1, no= 0. In NB: Provincially Significant Wetland, Environmentally Significant Area, Protected Natural Area (go to http://www.snb.ca/geomb1/e/apps/apps-E.asp and see Candidate PNA Map Viewer) In NS: go to https://nsgi.novascotia.ca/plv/ and view Protected Areas	0
151	OF35	Conservation Investment	The AA is part of or contiguous to a wetland on which public or private organizational funds were spent to preserve, create, restore, or enhance the wetland (excluding mitigation wetlands). Enter: yes= 1, no= 0. If no information, change to blank .	0
152	OF36	Mitigation Investment	The AA is all or part of a mitigation site used explicitly to offset impacts elsewhere. Enter: yes= 1, no= 0. If no information, change to blank .	0

A	B	C	D
OF37 1.53	Sustained Scientific Use	Plants, animals, or water in the AA have been monitored for >2 years, unrelated to any regulatory requirements, and data are available to the public. Or the AA is part of an area that has been designated by an agency or institution as a benchmark, reference, or status-trends monitoring area. Enter: yes= 1, no= 0. If no information, change to blank .	0