



DATA REPORT 4880: Mount Wilson, NS

Prepared 18 September, 2012
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1.0 PREFACE

The Atlantic Canada Conservation Data Centre (ACCDC) is part of a network of circa 85 NatureServe data centres and heritage programs in 50 states, 10 provinces and 1 territory, 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, Newfoundland and Labrador. Although a non-governmental agency, the ACCDC is supported by 6 federal agencies, plus 4 provincial governments, outside grants and data processing fees. URL: www.ACCDC.com.

Upon request and for a fee, the ACCDC reports known observations of rare and endangered flora and fauna, in and near a specified study area. As a supplement to that data, the ACCDC includes locations of managed areas with some level of protection, and also known sites of ecological interest. Data summarised in each report is attached as DBF files which may be opened from within data software (Excel, Access) or mapped in GIS (ArcView, MapInfo, AutoCAD).

1.1 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 the potential threat of the information contained here to rare and/or endangered flora and fauna.
- 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.
- d.) ACCDC data responses are restricted to that data in our Data System at the time of the data request.
- e.) Data is qualified in regard to locational uncertainty and period of observation; cf Data Dictionary for details.
- f.) ACCDC data responses are not to be construed as exhaustive inventories of taxa in an area.
- g.) The non-occurrence of a taxon cannot be inferred by its absence in an ACCDC data response.

1.2 ADDITIONAL INFORMATION

Please direct biological questions about ACCDC data to: Stefen Gerriets, ACCDC: (506) 364-2657, and technical data queries to: Diane Amirault, CWS: (506) 364-5060.

For provincial information on rare taxa and protected areas, or information on game animals, deer yards, old growth forest, archeological sites, fish habitat etc, please contact Sherman Boates, NSDNR: (902) 679-6146.

2.0 RARE AND ENDANGERED TAXA

A 100km buffer around the study area contains 6945 records of 456 taxa from 113 sources, a relatively moderate density of records (quintile 3): 0.22 rec/km².

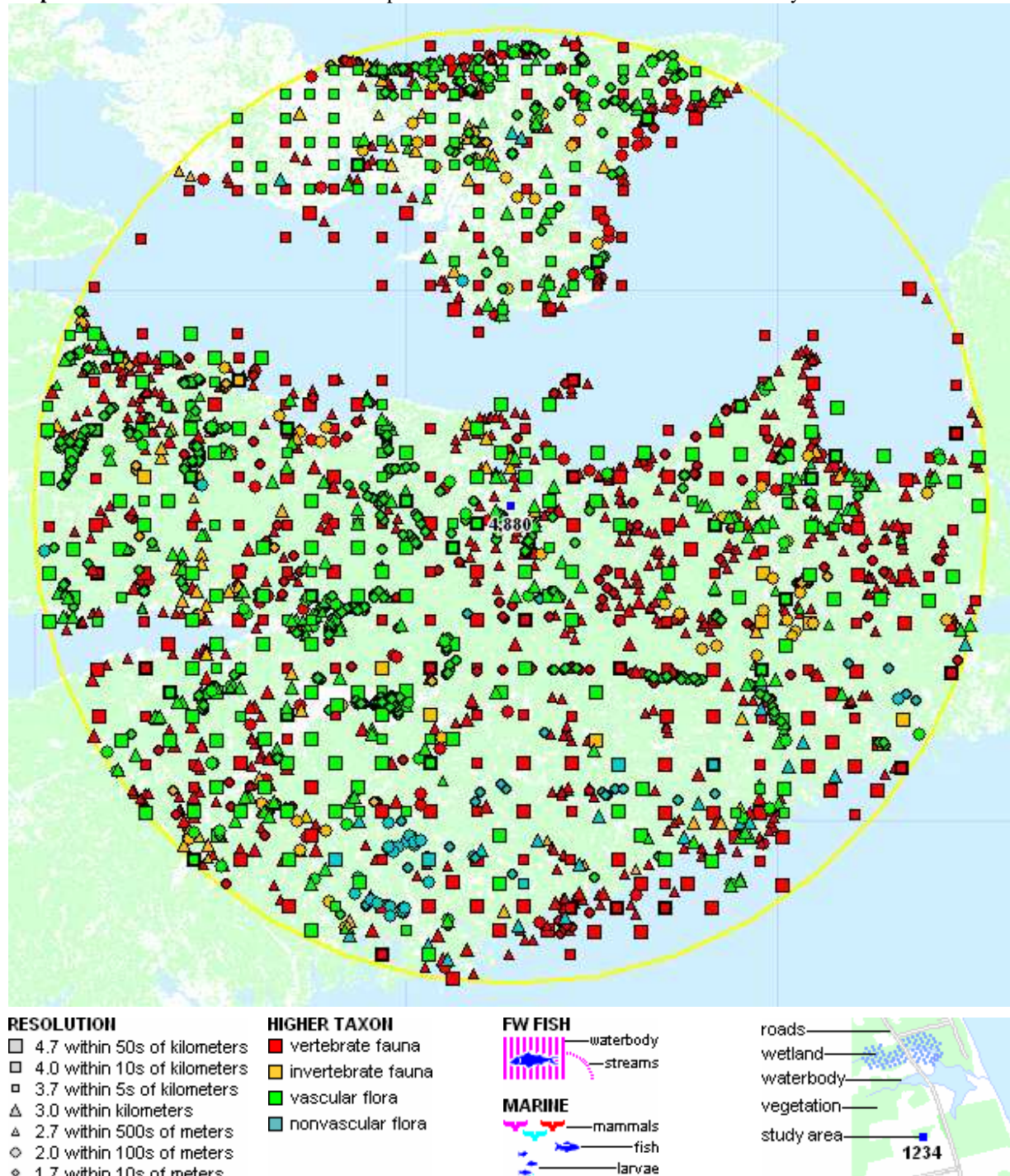
2.1 FLORA

A 100km buffer around the study area contains 1445 records of 270 vascular, 99 records of 20 nonvascular flora (see attached *ob.dbf).

2.2 FAUNA

A 100km buffer around the study area contains 5113 records of 107 vertebrate, 288 records of 59 invertebrate fauna (cf attached *ob.dbf). Sensitive data: Wood Turtles are PRESENT in the study area (cf attached WOTU.rtf).

Map 1: Known observations of rare and/or protected flora and fauna within buffered study area.



3.0 SPECIAL AREAS

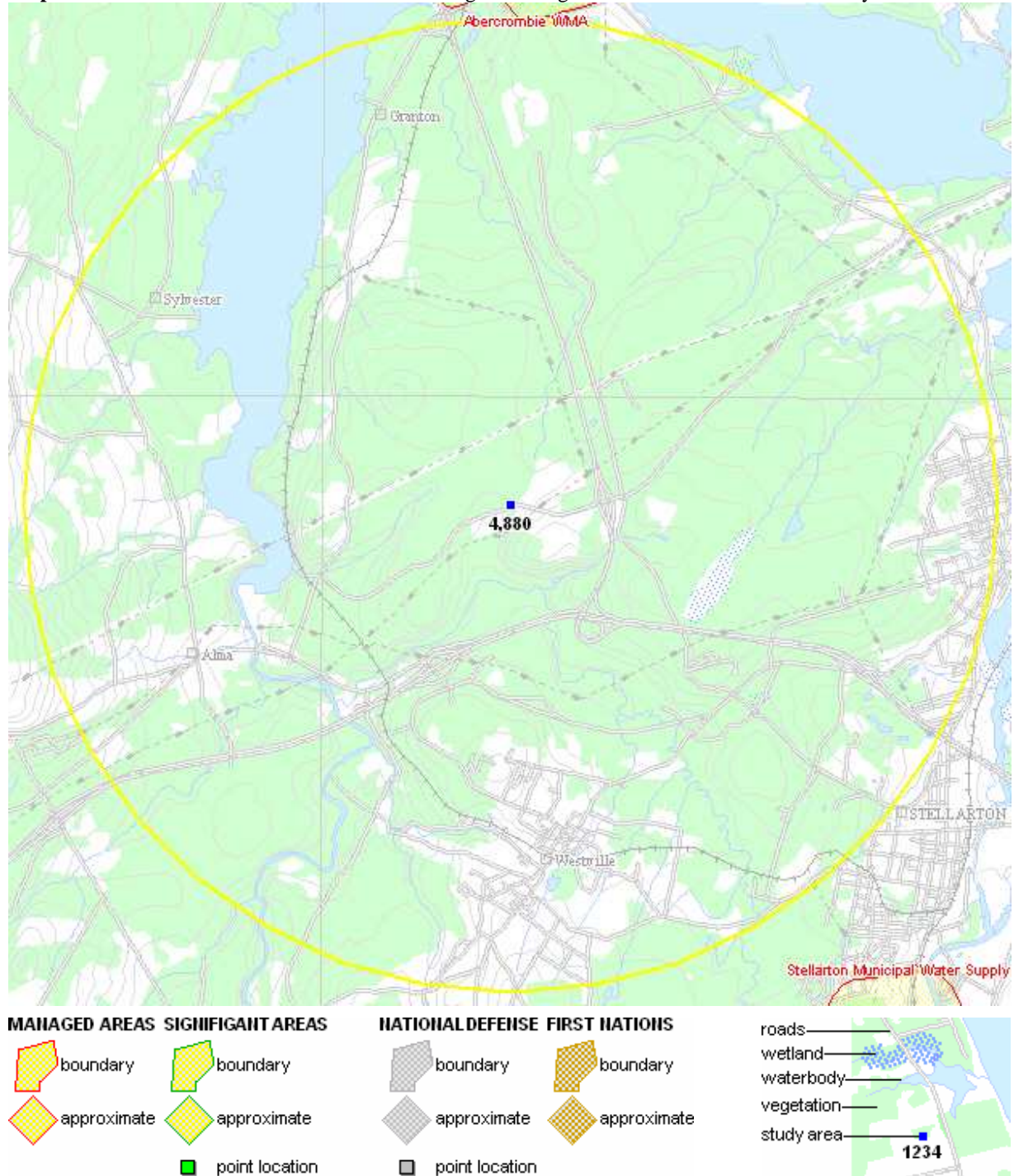
3.1 MANAGED AREAS

The GIS scan identified 1 Managed Area with some degree of protected status, in the vicinity of the study area (see attached *ma.dbf).

3.2 SIGNIFICANT AREAS

No biologically significant sites were identified.

Map 2: Boundaries and/or locations of known Managed and Significant Areas within 5km of study area.



4.0 TAXON LISTS

Rare and/or endangered taxa within the 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. [p] = vascular plant, [n] = nonvascular plant, [a] = vertebrate animal, [i] = invertebrate animal, [c] = community.

4.1 FLORA

scientific name	common name	prov. rarity	prov. status	COSEWIC	obs	dist.km
n Erioderma pedicellatum (Atlantic pop.)	Boreal Felt Lichen - Atlantic pop.	S1S2	Endangered	E	49	58 ±0
n Erioderma mollissimum	Graceful Felt Lichen	S1S2		E	4	74 ±0.1
p Juglans cinerea	Butternut	SNA		E	1	96 ±0.1
p Bartonia paniculata ssp. paniculata	Branched Bartonnia	SNA		T	1	39 ±1.0
p Isoetes prototypus	Prototype Quillwort	S2	Vulnerable	SC	3	76 ±0.1
p Lilaepsis chinensis	Eastern Lilaepsis	S2	Vulnerable	SC	1	86 ±0
n Degelia plumbea	Blue Felt Lichen	S2		SC	12	24 ±0
p Floerkea proserpinacoides	False Mermaidweed	S2		NAR	3	37 ±1.0
n Pseudevernia cladonia	Ghost Antler Lichen	S2S3		NAR	2	88 ±0
p Cypripedium arietinum	Ram's-Head Lady's-Slipper	S1	Endangered		1	65 ±0.1
p Thuja occidentalis	Eastern White Cedar	S1S2	Vulnerable		8	49 ±0.5
n Ditrichum rhynchostegium	a Moss	S1			1	48 ±0.1
n Aloina rigida	Aloe-Like Rigid Screw Moss	S1			1	65 ±0.1
p Ophioglossum pusillum	Northern Adder's-tongue	S1			5	27 ±0
p Cryptogramma stelleri	Steller's Rockbrake	S1			2	39 ±0
p Adiantum pedatum	Northern Maidenhair Fern	S1			1	52 ±1
p Potamogeton nodosus	Long-leaved Pondweed	S1			1	86 ±5
p Stuckenia filiformis ssp. alpina	Thread-leaved Pondweed	S1			2	90 ±1
p Stuckenia filiformis	Thread-leaved Pondweed	S1			1	87 ±0
p Festuca subverticillata	Nodding Fescue	S1			3	81 ±1
p Elymus hystrix var. bigeloviana	Spreading Wild Rye	S1			4	21 ±1
p Elymus wiegandii	Wiegand's Wild Rye	S1			11	3 ±1
p Cinna arundinacea	Sweet Wood Reed Grass	S1			3	48 ±0
p Bromus latiglumis	Broad-Glumed Brome	S1			6	37 ±0
p Alopecurus aequalis	Short-awned Foxtail	S1			12	45 ±1
p Malaxis brachypoda	White Adder's-Mouth	S1			1	98 ±1.0
p Listera australis	Southern Twayblade	S1			1	83 ±0
p Goodyera oblongifolia	Menzies' Rattlesnake-plantain	S1			1	97 ±0.1
p Allium tricoccum	Wild Leek	S1			2	30 ±0.1
p Juncus vaseyi	Vasey's Rush	S1			3	38 ±0
p Iris prismatica	Slender Blue Flag	S1			2	63 ±1.0
p Elodea nuttallii	Nuttall's Waterweed	S1			1	90 ±1
p Scirpus pedicellatus	Stalked Bulrush	S1			2	49 ±0
p Cyperus lupulinus ssp. macilentus	Hop Flatsedge	S1			4	7 ±1.0
p Carex grisea	Inflated Narrow-leaved Sedge	S1			1	63 ±0
p Carex wiegandii	Wiegand's Sedge	S1			3	47 ±5
p Carex tuckermanii	Tuckerman's Sedge	S1			4	8 ±0.1
p Carex tribuloides	Blunt Broom Sedge	S1			3	30 ±1
p Carex tinctoria	Tinged Sedge	S1			3	73 ±1
p Carex rostrata	Narrow-leaved Beaked Sedge	S1			1	94 ±5
p Carex plantaginea	Plantain-Leaved Sedge	S1			3	34 ±0
p Carex livida	Livid Sedge	S1			1	91 ±5
p Carex pellita	Woolly Sedge	S1			5	9 ±0
p Carex haydenii	Hayden's Sedge	S1			2	38 ±5
p Carex garberi	Garber's Sedge	S1			3	33 ±0
p Carex chordorrhiza	Creeping Sedge	S1			1	90 ±1
p Carex argyrantha	Silvery-flowered Sedge	S1			1	52 ±5
p Carex alopecoidea	Foxtail Sedge	S1			1	73 ±0.5
p Viola canadensis	Canada Violet	S1			1	37 ±1.0
p Pilea pumila	Dwarf Clearweed	S1			8	18 ±1.0
p Dirca palustris	Eastern Leatherwood	S1			4	71 ±1.0
p Scrophularia lanceolata	Lance-leaved Figwort	S1			1	94 ±1.0
p Galium aparine	Common Bedstraw	S1			1	52 ±0
p Amelanchier fernaldii	Fernald's Serviceberry	S1			2	95 ±0.5
p Ranunculus pensylvanicus	Pennsylvania Buttercup	S1			3	68 ±0
p Fraxinus pennsylvanica	Red Ash	S1			1	97 ±1.0
p Decodon verticillatus	Swamp Loosestrife	S1			1	91 ±0
p Ribes americanum	Wild Black Currant	S1			2	48 ±5
p Desmodium canadense	Canada Tick-trefoil	S1			6	10 ±0
p Elatine americana	American waterwort	S1			1	93 ±1
p Cuscuta cephalanthi	Buttonbush Dodder	S1			4	6 ±1
p Crassula aquatica	Water Pygmyweed	S1			3	87 ±5
p Hudsonia tomentosa	Woolly Beach-heath	S1			9	21 ±1.0
p Hudsonia ericoides	Pinebarren Golden Heather	S1			2	96 ±0
p Suaeda maritima ssp. richii	White Sea-blite	S1			3	65 ±1.0
p Lobelia spicata	Pale-Spiked Lobelia	S1			5	61 ±1.0
p Cochlearia tridactylites	Limestone Scurvy-grass	S1			4	85 ±1.0
p Cardamine pratensis	Cuckoo Flower	S1			1	43 ±0.1
p Ageratina altissima	White Snakeroot	S1			2	65 ±1.0
p Pseudognaphalium obtusifolium ssp. obtusifolium	Eastern Cudweed	S1			1	96 ±5
p Pseudognaphalium obtusifolium	Eastern Cudweed	S1			2	61 ±1
p Bidens hyperborea	Estuary Beggarticks	S1			2	62 ±1
p Antennaria parlinii	Parlin's Pussytoes	S1			2	23 ±0
p Zizia aurea	Golden Alexanders	S1			12	29 ±1.0
p Sanicula odorata	Clustered Sanicle	S1			4	7 ±0
p Osmorhiza longistylis	Smooth Sweet Cicely	S1			7	5 ±0

p	<i>Dichanthelium acuminatum</i> var. <i>lindheimeri</i>	Woolly Panic Grass	S1?	1	9 ±0.1
p	<i>Schoenoplectus robustus</i>	Sturdy Bulrush	S1?	2	61 ±10
p	<i>Viola sagittata</i> var. <i>ovata</i>	Arrow-Leaved Violet	S1?	2	75 ±1
p	<i>Crataegus submollis</i>	Quebec Hawthorn	S1?	5	40 ±10
p	<i>Crataegus robinsonii</i>	Robinson's Hawthorn	S1?	2	7 ±1
p	<i>Amelanchier stolonifera</i>	Running Serviceberry	S1?	4	46 ±1
p	<i>Polygonum raii</i>	Sharp-fruited Knotweed	S1?	4	95 ±5
p	<i>Humulus lupulus</i> var. <i>lupuloides</i>	Common Hop	S1?	6	47 ±5
p	<i>Hypericum majus</i>	Large St John's-wort	S1?	4	88 ±0
p	<i>Suaeda calceoliformis</i>	Horned Sea-blite	S1?	6	10 ±1
p	<i>Chenopodium rubrum</i>	Red Pigweed	S1?	3	14 ±10
p	<i>Atriplex acadensis</i>	Maritime Saltbush	S1?	2	30 ±10
p	<i>Solidago hispida</i>	Hairy Goldenrod	S1?	1	43 ±10
n	<i>Fuscopannaria leucosticta</i>	Rimmed Shingles Lichen	S1S2	3	60 ±0
n	<i>Platydictya subtilis</i>	Bark Willow Moss	S1S2	1	83 ±1
n	<i>Campylostelium saxicola</i>	a Moss	S1S2	1	83 ±1
p	<i>Botrychium lanceolatum</i>	Triangle Moonwort	S1S2	2	98 ±0.1
p	<i>Sparganium hyperboreum</i>	Northern Burreed	S1S2	1	98 ±0.1
p	<i>Potamogeton pulcher</i>	Spotted Pondweed	S1S2	1	56 ±5
p	<i>Platanthera flava</i> var. <i>herbiola</i>	Tuberclad Orchid	S1S2	1	29 ±0
p	<i>Juncus greenii</i>	Greene's Rush	S1S2	4	69 ±5
p	<i>Eriophorum chamissonis</i>	Russet Cotton-Grass	S1S2	1	96 ±0
p	<i>Carex tenera</i>	Tender Sedge	S1S2	7	13 ±5
p	<i>Carex pensylvanica</i>	Pennsylvania Sedge	S1S2	2	36 ±0
p	<i>Carex hystericina</i>	Porcupine Sedge	S1S2	5	30 ±0
p	<i>Gratiola neglecta</i>	Clammy Hedge-Hyssop	S1S2	2	51 ±10
p	<i>Galium labradoricum</i>	Labrador Bedstraw	S1S2	8	47 ±0
p	<i>Hepatica nobilis</i> var. <i>obtusa</i>	Round-lobed Hepatica	S1S2	10	19 ±0
p	<i>Anemone virginiana</i> var. <i>alba</i>	Virginia Anemone	S1S2	3	37 ±10
p	<i>Rumex fueginus</i>	Tierra del Fuego Dock	S1S2	1	94 ±0
p	<i>Callitriche hermaphroditica</i>	Northern Water-starwort	S1S2	4	91 ±0
p	<i>Atriplex franktonii</i>	Frankton's Saltbush	S1S2	4	37 ±1
p	<i>Sagina nodosa</i> ssp. <i>borealis</i>	Knotted Pearlwort	S1S2	3	91 ±5
p	<i>Sagina nodosa</i>	Knotted Pearlwort	S1S2	1	93 ±0.5
p	<i>Huperzia selago</i>	Northern Firmoss	S1S3	6	42 ±10
p	<i>Carex vacillans</i>	Estuarine Sedge	S1S3	1	73 ±0.5
p	<i>Equisetum pratense</i>	Meadow Horsetail	S2	7	42 ±0.1
p	<i>Woodsia glabella</i>	Smooth Cliff Fern	S2	1	68 ±10
p	<i>Dryopteris fragrans</i> var. <i>remotiuscula</i>	Fragrant Wood Fern	S2	3	33 ±10
p	<i>Asplenium trichomanes-ramosum</i>	Green Spleenwort	S2	1	72 ±10
p	<i>Potamogeton friesii</i>	Fries' Pondweed	S2	1	51 ±10
p	<i>Piptatherum canadense</i>	Canada Rice Grass	S2	3	59 ±1
p	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	8	6 ±1
p	<i>Platanthera macrophylla</i>	Large Round-Leaved Orchid	S2	5	22 ±5
p	<i>Platanthera orbiculata</i>	Small Round-leaved Orchid	S2	24	15 ±0
p	<i>Platanthera flava</i>	Tuberclad Orchid	S2	3	29 ±0
p	<i>Goodyera repens</i>	Lesser Rattlesnake-plantain	S2	5	42 ±1
p	<i>Goodyera pubescens</i>	Downy Rattlesnake-Plantain	S2	1	83 ±1
p	<i>Cypripedium reginae</i>	Showy Lady's-Slipper	S2	16	9 ±10
p	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper	S2	5	21 ±10
p	<i>Cypripedium parviflorum</i>	Yellow Lady's-slipper	S2	7	9 ±10
p	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives	S2	1	46 ±10
p	<i>Vallisneria americana</i>	Wild Celery	S2	4	63 ±1
p	<i>Blysmus rufus</i>	Red Bulrush	S2	1	98 ±5
p	<i>Eriophorum gracile</i>	Slender Cottongrass	S2	7	51 ±10
p	<i>Carex comosa</i>	Bearded Sedge	S2	3	53 ±10
p	<i>Carex atlantica</i> ssp. <i>capillacea</i>	Atlantic Sedge	S2	3	77 ±10
p	<i>Viola nephrophylla</i>	Northern Bog Violet	S2	9	10 ±0
p	<i>Limosella australis</i>	Southern Mudwort	S2	20	48 ±1
p	<i>Tiarella cordifolia</i>	Heart-leaved Foamflower	S2	14	21 ±10
p	<i>Parnassia palustris</i> var. <i>parviflora</i>	Marsh Grass-of-Parnassus	S2	1	47 ±1
p	<i>Salix sericea</i>	Silky Willow	S2	1	100 ±1
p	<i>Salix pedicularis</i>	Bog Willow	S2	5	23 ±10
p	<i>Galium boreale</i>	Northern Bedstraw	S2	3	77 ±5
p	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S2	15	10 ±0
p	<i>Ranunculus gmelinii</i>	Gmelin's Water Buttercup	S2	14	41 ±5
p	<i>Ranunculus flammula</i> var. <i>flammula</i>	Lesser Spearwort	S2	3	37 ±10
p	<i>Caltha palustris</i>	Yellow Marsh Marigold	S2	1	21 ±0.1
p	<i>Anemone virginiana</i> var. <i>virginiana</i>	Virginia Anemone	S2	1	51 ±10
p	<i>Anemone virginiana</i>	Virginia Anemone	S2	3	9 ±1
p	<i>Anemone quinquefolia</i>	Wood Anemone	S2	8	46 ±0.1
p	<i>Anemone canadensis</i>	Canada Anemone	S2	2	90 ±0.1
p	<i>Samolus valerandi</i> ssp. <i>parviflorus</i>	Seaside Brookweed	S2	6	58 ±1
p	<i>Primula mistassinica</i>	Mistassini Primrose	S2	5	31 ±10
p	<i>Plantago rugelii</i>	Rugel's Plantain	S2	5	4 ±0
p	<i>Rumex salicifolius</i> var. <i>mexicanus</i>	Triangular-valve Dock	S2	1	76 ±10
p	<i>Polygonum arifolium</i>	Halberd-leaved Tearthumb	S2	9	42 ±1
p	<i>Oenothera fruticosa</i> ssp. <i>glauca</i>	Narrow-leaved Evening Primrose	S2	3	23 ±10
p	<i>Epilobium strictum</i>	Downy Willowherb	S2	9	76 ±5
p	<i>Myriophyllum verticillatum</i>	Whorled Water Milfoil	S2	2	48 ±0
p	<i>Myriophyllum farwellii</i>	Farwell's Water Milfoil	S2	7	36 ±10
p	<i>Chamaesyce polygonifolia</i>	Seaside Spurge	S2	3	40 ±1
p	<i>Vaccinium caespitosum</i>	Dwarf Bilberry	S2	10	32 ±0
p	<i>Vaccinium boreale</i>	Northern Blueberry	S2	3	84 ±1
p	<i>Empetrum eamesii</i> ssp. <i>eamesii</i>	Pink Crowberry	S2	2	78 ±5
p	<i>Empetrum eamesii</i> ssp. <i>atropurpureum</i>	Pink Crowberry	S2	3	95 ±5

p	<i>Empetrum eamesii</i>	Pink Crowberry	S2	5	94 ±0.1
p	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	19	5 ±10
p	<i>Stellaria humifusa</i>	Saltmarsh Starwort	S2	7	75 ±1
p	<i>Minuartia groenlandica</i>	Greenland Stitchwort	S2	2	85 ±10
p	<i>Arabis drummondii</i>	Drummond's Rockcress	S2	5	39 ±0
p	<i>Betula michauxii</i>	Newfoundland Dwarf Birch	S2	12	56 ±10
p	<i>Betula pumila</i>	Bog Birch	S2	9	72 ±0
p	<i>Caulophyllum thalictroides</i>	Blue Cohosh	S2	15	5 ±10
p	<i>Impatiens pallida</i>	Pale Jewelweed	S2	2	71 ±10
p	<i>Symphotrichum boreale</i>	Boreal Aster	S2	10	46 ±10
p	<i>Senecio pseudoarnica</i>	Seabeach Ragwort	S2	3	46 ±10
p	<i>Rudbeckia laciniata</i> var. <i>gaspereauensis</i>	Cut-Leaved Coneflower	S2	3	29 ±10
p	<i>Rudbeckia laciniata</i>	Cut-Leaved Coneflower	S2	9	34 ±0
p	<i>Hieracium robinsonii</i>	Robinson's Hawkweed	S2	2	22 ±10
p	<i>Erigeron philadelphicus</i>	Philadelphia Fleabane	S2	3	52 ±5
p	<i>Conioselinum chinense</i>	Chinese Hemlock-parsley	S2	2	15 ±5
p	<i>Angelica atropurpurea</i>	Purple-stemmed Angelica	S2	6	45 ±1
n	<i>Calliergon giganteum</i>	Giant Spear Moss	S2?	2	77 ±1
p	<i>Dichanthelium linearifolium</i>	Narrow-leaved Panic Grass	S2?	3	8 ±10
p	<i>Juncus dudleyi</i>	Dudley's Rush	S2?	10	9 ±0
p	<i>Eleocharis ovata</i>	Ovate Spikerush	S2?	2	32 ±0.5
p	<i>Carex peckii</i>	Peck's Sedge	S2?	2	47 ±0.1
p	<i>Carex houghtoniana</i>	Houghton's Sedge	S2?	2	64 ±5
p	<i>Epilobium coloratum</i>	Purple-veined Willowherb	S2?	2	10 ±1
p	<i>Ceratophyllum echinatum</i>	Prickly Hornwort	S2?	4	48 ±0
p	<i>Hieracium kalmii</i> var. <i>kalmii</i>	Kalm's Hawkweed	S2?	1	32 ±5
p	<i>Hieracium kalmii</i>	Kalm's Hawkweed	S2?	1	22 ±1
n	<i>Peltigera collina</i>	Tree Pelt Lichen	S2S3	1	76 ±0.1
n	<i>Physconia detersa</i>	Bottlebrush Frost Lichen	S2S3	1	72 ±0
n	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen	S2S3	7	48 ±0
n	<i>Leptogium teretiusculum</i>	Beaded Jellyskin Lichen	S2S3	1	20 ±0
n	<i>Collema nigrescens</i>	Blistered Tarpaper Lichen	S2S3	3	74 ±0.1
n	<i>Sphagnum wulfianum</i>	Wulf's Peat Moss	S2S3	1	83 ±0.1
p	<i>Botrychium simplex</i>	Least Moonwort	S2S3	3	15 ±0
p	<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>	Triangle Moonwort	S2S3	7	15 ±0
p	<i>Lycopodium complanatum</i>	Northern Clubmoss	S2S3	4	31 ±0.1
p	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	S2S3	8	49 ±0
p	<i>Potamogeton richardsonii</i>	Richardson's Pondweed	S2S3	2	64 ±1
p	<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed	S2S3	8	46 ±1
p	<i>Panicum tuckermanii</i>	Tuckerman's Panic Grass	S2S3	5	68 ±0
p	<i>Calamagrostis stricta</i> var. <i>stricta</i>	Slim-stemmed Reed Grass	S2S3	10	87 ±0
p	<i>Calamagrostis stricta</i>	Slim-stemmed Reed Grass	S2S3	5	74 ±0
p	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses	S2S3	4	86 ±0.1
p	<i>Coeloglossum viride</i> var. <i>virescens</i>	Long-bracted Frog Orchid	S2S3	1	79 ±0.1
p	<i>Lilium canadense</i>	Canada Lily	S2S3	51	3 ±0
p	<i>Triglochin gaspensis</i>	Gaspé Arrowgrass	S2S3	2	92 ±1
p	<i>Eleocharis olivacea</i>	Yellow Spikerush	S2S3	3	49 ±0
p	<i>Carex hirtifolia</i>	Pubescent Sedge	S2S3	22	6 ±0
p	<i>Carex adusta</i>	Lesser Brown Sedge	S2S3	6	50 ±10
p	<i>Veronica serpyllifolia</i> ssp. <i>humifusa</i>	Thyme-Leaved Speedwell	S2S3	1	47 ±0
p	<i>Polygonum buxiforme</i>	Small's Knotweed	S2S3	3	46 ±10
p	<i>Polygala sanguinea</i>	Blood Milkwort	S2S3	10	5 ±1
p	<i>Fraxinus nigra</i>	Black Ash	S2S3	39	9 ±0
p	<i>Hedeoma pulegioides</i>	American False Pennyroyal	S2S3	6	8 ±5
p	<i>Halenia deflexa</i>	Spurred Gentian	S2S3	1	75 ±1
p	<i>Hypericum dissimulatum</i>	Disguised St John's-wort	S2S3	3	77 ±10
p	<i>Symphotrichum ciliolatum</i>	Fringed Blue Aster	S2S3	8	8 ±0
p	<i>Asclepias incarnata</i> ssp. <i>pulchra</i>	Swamp Milkweed	S2S3	3	69 ±1
p	<i>Schizaea pusilla</i>	Little Curlygrass Fern	S3	1	93 ±0
p	<i>Botrychium dissectum</i>	Cut-leaved Moonwort	S3	4	19 ±1
p	<i>Isoetes acadensis</i>	Acadian Quillwort	S3	1	65 ±1
p	<i>Equisetum variegatum</i>	Variiegated Horsetail	S3	5	8 ±0
p	<i>Sparganium natans</i>	Small Burreed	S3	12	37 ±1
p	<i>Dichanthelium clandestinum</i>	Deer-tongue Panic Grass	S3	9	51 ±0
p	<i>Platanthera hookeri</i>	Hooker's Orchid	S3	3	57 ±0
p	<i>Platanthera grandiflora</i>	Large Purple Fringed Orchid	S3	23	21 ±0
p	<i>Corallorhiza trifida</i>	Early Coralroot	S3	15	19 ±0
p	<i>Juncus subcaudatus</i>	Woodland Rush	S3	4	7 ±10
p	<i>Eleocharis nitida</i>	Quill Spikerush	S3	1	92 ±10
p	<i>Carex rosea</i>	Rosy Sedge	S3	9	4 ±0
p	<i>Carex lupulina</i>	Hop Sedge	S3	4	3 ±0
p	<i>Carex eburnea</i>	Bristle-leaved Sedge	S3	3	63 ±5
p	<i>Verbena hastata</i>	Blue Vervain	S3	39	4 ±0
p	<i>Laportea canadensis</i>	Canada Wood Nettle	S3	10	4 ±0
p	<i>Geocaulon lividum</i>	Northern Comandra	S3	3	71 ±0
p	<i>Comandra umbellata</i>	Bastard's Toadflax	S3	6	73 ±10
p	<i>Salix petiolaris</i>	Meadow Willow	S3	12	20 ±0
p	<i>Rosa palustris</i>	Swamp Rose	S3	2	47 ±0
p	<i>Pyrola asarifolia</i>	Pink Pyrola	S3	11	34 ±0
p	<i>Polygonum scandens</i>	Climbing False Buckwheat	S3	25	4 ±0
p	<i>Polygonum pensylvanicum</i>	Pennsylvania Smartweed	S3	11	3 ±0
p	<i>Teucrium canadense</i>	Canada Germander	S3	3	12 ±5
p	<i>Proserpinaca pectinata</i>	Comb-leaved Mermaidweed	S3	2	34 ±10
p	<i>Proserpinaca palustris</i> var. <i>crebra</i>	Marsh Mermaidweed	S3	4	46 ±0
p	<i>Proserpinaca palustris</i>	Marsh Mermaidweed	S3	2	48 ±0
p	<i>Geranium bicknellii</i>	Bicknell's Crane's-bill	S3	2	94 ±0.1

p	<i>Bartonia virginica</i>	Yellow Bartonia	S3	1	93 ±10
p	<i>Viburnum edule</i>	Squashberry	S3	1	20 ±0
p	<i>Stellaria longifolia</i>	Long-leaved Starwort	S3	9	30 ±1
p	<i>Campanula aparinoides</i>	Marsh Bellflower	S3	25	3 ±0
p	<i>Packera paupercula</i>	Balsam Groundsel	S3	6	8 ±0
p	<i>Megalodonta beckii</i>	Water Beggarticks	S3	7	17 ±0.5
p	<i>Hieracium paniculatum</i>	Panicled Hawkweed	S3	3	24 ±0
p	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	3	51 ±0.1
p	<i>Asclepias incarnata</i> ssp. <i>incarnata</i>	Swamp Milkweed	S3	1	98 ±0.1
p	<i>Asclepias incarnata</i>	Swamp Milkweed	S3	20	49 ±0
n	<i>Collema furfuraceum</i>	Blistered Tarpaper Lichen	S3?	2	48 ±0
n	<i>Nephroma bellum</i>	Naked Kidney Lichen	S3?	1	33 ±0
n	<i>Sticta fuliginosa</i>	Peppered Moon Lichen	S3?	4	48 ±0
n	<i>Anzia colpodes</i>	Black-foam Lichen	S3?	2	72 ±0
p	<i>Polypodium appalachianum</i>	Appalachian Polypody	S3?	5	27 ±0
p	<i>Lycopodium sitchense</i>	Sitka Clubmoss	S3?	4	46 ±5
p	<i>Lycopodium sabinifolium</i>	Ground-Fir	S3?	6	43 ±5
p	<i>Potamogeton praelongus</i>	White-stemmed Pondweed	S3?	10	12 ±5
p	<i>Elodea canadensis</i>	Canada Waterweed	S3?	1	95 ±0
p	<i>Carex cryptolepis</i>	Hidden-scaled Sedge	S3?	2	47 ±0
p	<i>Carex bebbii</i>	Bebb's Sedge	S3?	11	39 ±0
p	<i>Carex foenea</i>	Fernald's Hay Sedge	S3?	11	37 ±0
p	<i>Lycopodiella appressa</i>	Southern Bog Clubmoss	S3S4	4	34 ±1
p	<i>Equisetum scirpoides</i>	Dwarf Scouring-Rush	S3S4	12	42 ±0
p	<i>Equisetum hyemale</i> var. <i>affine</i>	Common Scouring-rush	S3S4	6	41 ±0
p	<i>Equisetum hyemale</i>	Common Scouring-rush	S3S4	1	75 ±1
p	<i>Cystopteris bulbifera</i>	Bulblet Bladder Fern	S3S4	6	43 ±0.1
p	<i>Trisetum spicatum</i>	Narrow False Oats	S3S4	5	10 ±0
p	<i>Liparis loeselii</i>	Loesel's Twayblade	S3S4	11	41 ±5
p	<i>Luzula parviflora</i>	Small-flowered Woodrush	S3S4	4	47 ±0
p	<i>Juncus alpinoarticulatus</i> ssp. <i>nodulosus</i>	Alpine Rush	S3S4	3	95 ±5
p	<i>Sisyrinchium angustifolium</i>	Narrow-leaved Blue-eyed-grass	S3S4	16	8 ±0
p	<i>Lindernia dubia</i>	Yellow-seeded False Pimperel	S3S4	16	3 ±0
p	<i>Rhamnus alnifolia</i>	Alder-leaved Buckthorn	S3S4	22	46 ±0
p	<i>Polygonum robustius</i>	Stout Smartweed	S3S4	2	48 ±0
p	<i>Sanguinaria canadensis</i>	Bloodroot	S3S4	18	4 ±0
p	<i>Utricularia gibba</i>	Humped Bladderwort	S3S4	4	60 ±10
p	<i>Myriophyllum sibiricum</i>	Siberian Water Milfoil	S3S4	1	48 ±0
p	<i>Pyrola minor</i>	Lesser Pyrola	SH	2	27 ±0
p	<i>Stellaria crassifolia</i>	Fleshy Stitchwort	SH	2	91 ±5
p	<i>Solidago simplex</i> var. <i>randii</i>	Sticky Goldenrod	SH	1	84 ±1
p	<i>Lactuca hirsuta</i> var. <i>sanguinea</i>	Hairy Lettuce	SH	3	78 ±5

4.2 FAUNA

scientific name	common name	prov. rarity	prov. status	COSEWIC	obs	dist.km	
a	<i>Sterna dougallii</i>	Roseate Tern	S1B	Endangered	E	14	80 ±0.5
a	<i>Charadrius melodus melodus</i>	Piping Plover melodus ssp	S1B	Endangered	E	119	7 ±5
a	<i>Calidris canutus rufa</i>	Red Knot	S2S3M	Endangered	E	19	17 ±0.5
a	<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	S1		E	5	48 ±1
a	<i>Myotis lucifugus</i>	Little Brown Myotis	S1		E	16	14 ±10
i	<i>Gomphus ventricosus</i>	Skillet Clubtail	S1		E	1	97 ±0.5
a	<i>Salmo salar</i> pop. 1	Atlantic Salmon - Inner Bay of Fundy pop.	S2		E	15	25 ±10
a	<i>Colinus virginianus</i>	Northern Bobwhite			E	1	79 ±0.1
a	<i>Chaetura pelagica</i>	Chimney Swift	S2S3B	Endangered	T	53	5 ±5
a	<i>Chordeiles minor</i>	Common Nighthawk	S3B	Threatened	T	84	5 ±5
a	<i>Catharus bicknelli</i>	Bicknell's Thrush	S1S2B	Vulnerable	T	1	94 ±5
a	<i>Glyptemys insculpta</i>	Wood Turtle	S3	Vulnerable	T	61	8 ±10
a	<i>Morone saxatilis</i>	Striped Bass	S1		T	3	63 ±10
a	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	S1?		T	2	78 ±10
a	<i>Caprimulgus vociferus</i>	Whip-Poor-Will	S1?B		T	4	53 ±5
a	<i>Wilsonia canadensis</i>	Canada Warbler	S3B		T	148	7 ±5
a	<i>Hirundo rustica</i>	Barn Swallow	S3B		T	239	5 ±5
a	<i>Contopus cooperi</i>	Olive-sided Flycatcher	S3B		T	167	7 ±5
a	<i>Dolichonyx oryzivorus</i>	Bobolink	S3S4B		T	203	6 ±0.5
a	<i>Anguilla rostrata</i>	American Eel	S5		T	5	75 ±10
a	<i>Histrionicus histrionicus</i> pop. 1	Harlequin Duck - Eastern pop.	S2N	Endangered	SC	10	77 ±10
a	<i>Passerculus sandwichensis princeps</i>	Savannah Sparrow princeps ssp	S1B		SC	2	89 ±0.1
a	<i>Bucephala islandica</i> (Eastern pop.)	Barrow's Goldeneye - Eastern pop.	S1N		SC	5	14 ±0.1
a	<i>Asio flammeus</i>	Short-eared Owl	S1S2		SC	5	24 ±5
i	<i>Alasmidonta varicosa</i>	Brook Floater	S1S2		SC	9	38 ±0.1
i	<i>Danaus plexippus</i>	Monarch	S2B		SC	7	50 ±1
a	<i>Euphagus carolinus</i>	Rusty Blackbird	S2S3B		SC	83	14 ±5
a	<i>Chelydra serpentina</i>	Snapping Turtle	S5		SC	33	6 ±0.1
a	<i>Phocoena phocoena</i> (NW Atlantic pop.)	Harbour Porpoise - Northwest Atlantic pop.	SNR		SC	1	86 ±5
a	<i>Puma concolor</i> pop. 1	Cougar - Eastern pop.	SH		DD	54	10 ±1
a	<i>Sorex dispar</i>	Long-tailed Shrew	S1		NAR	2	78 ±10
a	<i>Aegolius funereus</i>	Boreal Owl	S1B		NAR	3	58 ±0.1
a	<i>Fulica americana</i>	American Coot	S1B		NAR	4	23 ±5
a	<i>Hemidactylium scutatum</i>	Four-toed Salamander	S3		NAR	6	44 ±0.1
a	<i>Sialia sialis</i>	Eastern Bluebird	S3B		NAR	15	7 ±5
a	<i>Sterna hirundo</i>	Common Tern	S3B		NAR	104	7 ±10
a	<i>Gavia immer</i>	Common Loon	S3B,S4N		NAR	189	7 ±5
a	<i>Accipiter gentilis</i>	Northern Goshawk	S3S4		NAR	40	5 ±5
a	<i>Alces americanus</i>	Moose	S1	Endangered		22	17 ±10
a	<i>Lasiurus cinereus</i>	Hoary Bat	S1			1	96 ±10
a	<i>Perimyotis subflavus</i>	Eastern Pipitrelle	S1			5	71 ±5

i	Strophitus undulatus	Creeper	S1	2	92 ±1
i	Coenagrion resolutum	Taiga Bluet	S1	1	69 ±0.1
i	Williamsonia fletcheri	Ebony Boghaunter	S1	1	65 ±0.5
i	Somatochlora kennedyi	Kennedy's Emerald	S1	2	78 ±1
i	Somatochlora franklini	Delicate Emerald	S1	5	73 ±0.1
i	Somatochlora forcipata	Forcinate Emerald	S1	3	73 ±1
i	Gomphaeschna furcillata	Harlequin Darner	S1	1	73 ±0.1
i	Ophiogomphus mainensis	Maine Snaketail	S1	1	45 ±0.1
i	Ophiogomphus aspersus	Brook Snaketail	S1	1	91 ±0.1
i	Oeneis jutta ascerta	Jutta Arctic	S1	1	45 ±0.1
i	Polygonia gracilis	Hoary Comma	S1	2	5 ±1
i	Erora laeta	Early Hairstreak	S1	1	84 ±0.5
i	Callophrys henrici	Henry's Elfin	S1	1	79 ±0.1
i	Satyrus liparops strigosum	Striped Hairstreak	S1	1	78 ±10
i	Satyrus acadica	Acadian Hairstreak	S1	3	10 ±1
i	Lycaena hyllus	Bronze Copper	S1	2	47 ±0
a	Vireo gilvus	Warbling Vireo	S1?B	4	53 ±5
a	Toxostoma rufum	Brown Thrasher	S1?B	3	5 ±5
a	Tringa solitaria	Solitary Sandpiper	S1?B,S4S5M	4	61 ±0.5
a	Hylocichla mustelina	Wood Thrush	S1B	12	7 ±5
a	Progne subis	Purple Martin	S1B	4	85 ±0.5
a	Gallinula chloropus	Common Moorhen	S1B	4	48 ±5
a	Nycticorax nycticorax	Black-crowned Night-heron	S1B	1	65 ±5
a	Calidris minutilla	Least Sandpiper	S1B,S5M	34	9 ±0.5
a	Larus delawarensis	Ring-billed Gull	S1B,S5N	7	48 ±5
a	Picoides dorsalis	American Three-toed Woodpecker	S1S2	2	77 ±5
i	Stylurus scudderi	Zebra Clubtail	S1S2	3	85 ±0.5
i	Ophiogomphus rupinsulensis	Rusty Snaketail	S1S2	2	85 ±0.5
i	Nymphalis vaualbum j-album	Compton Tortoiseshell	S1S2	2	50 ±1
a	Passerina cyanea	Indigo Bunting	S1S2B	3	62 ±5
a	Vireo philadelphicus	Philadelphia Vireo	S1S2B	12	44 ±5
a	Eremophila alpestris	Horned Lark	S1S2B,S4N	5	57 ±5
a	Charadrius semipalmatus	Semipalmated Plover	S1S2B,S5M	44	9 ±0.5
a	Salmo salar	Atlantic Salmon	S2	50	5 ±10
a	Asio otus	Long-eared Owl	S2	10	20 ±0.1
i	Lampsilis radiata	Eastern Lampmussel	S2	34	12 ±0.1
i	Epitheca princeps	Prince Baskettail	S2	3	65 ±0.5
i	Gomphus descriptus	Harpoon Clubtail	S2	2	74 ±1
i	Aglais milberti	Milbert's Tortoiseshell	S2	4	65 ±0
i	Nymphalis l-album	Compton Tortoiseshell	S2	1	75 ±1
i	Polygonia satyrus	Satyr Comma	S2	2	73 ±0.1
i	Boloria chariclea	Arctic Fritillary	S2	2	48 ±1
i	Callophrys lanoraieensis	Bog Elfin	S2	3	40 ±0
i	Callophrys nippon	Eastern Pine Elfin	S2	1	77 ±1
i	Satyrus calanus	Banded Hairstreak	S2	2	62 ±1
i	Lycaena dospassosi	Maritime Copper	S2	14	42 ±0.1
i	Pieris oleracea	Mustard White	S2	22	24 ±1
i	Amblyscirtes vialis	Common Roadside Skipper	S2	3	10 ±1
i	Amblyscirtes hegon	Pepper and Salt Skipper	S2	1	95 ±1
i	Thorybes pylades	Northern Cloudywing	S2	3	5 ±1
a	Piranga olivacea	Scarlet Tanager	S2B	5	9 ±5
a	Myiarchus crinitus	Great Crested Flycatcher	S2B	4	8 ±5
a	Empidonax traillii	Willow Flycatcher	S2B	1	83 ±5
a	Rallus limicola	Virginia Rail	S2B	18	31 ±5
a	Anas strepera	Gadwall	S2B	1	94 ±5
a	Anas acuta	Northern Pintail	S2B	24	43 ±10
a	Phalacrocorax carbo	Great Cormorant	S2B	39	37 ±5
i	Pantala hymenaea	Spot-Winged Glider	S2B	1	66 ±1
a	Bucephala clangula	Common Goldeneye	S2B,S5N	33	11 ±10
i	Alasmidonta undulata	Triangle Floater	S2S3	12	43 ±10
i	Erynnis juvenalis	Juvenal's Duskywing	S2S3	2	59 ±1
a	Icterus galbula	Baltimore Oriole	S2S3B	27	4 ±0.5
a	Molothrus ater	Brown-headed Cowbird	S2S3B	80	5 ±5
a	Poocetes gramineus	Vesper Sparrow	S2S3B	18	27 ±5
a	Tringa semipalmata	Willet	S2S3B	86	9 ±5
a	Cathartes aura	Turkey Vulture	S2S3B	1	79 ±0.1
a	Phalaropus lobatus	Red-necked Phalarope	S2S3M	1	68 ±0.5
a	Poecile hudsonica	Boreal Chickadee	S3	162	7 ±5
i	Amphiagrion saucium	Eastern Red Damsel	S3	1	51 ±1
i	Sympetrum danae	Black Meadowhawk	S3	7	58 ±1
i	Somatochlora williamsoni	Williamson's Emerald	S3	7	86 ±0.5
i	Boyeria grafiana	Ocellated Darner	S3	5	66 ±0.1
i	Aeshna constricta	Lance-Tipped Darner	S3	8	8 ±1
i	Aeshna clepsydra	Mottled Darner	S3	3	80 ±1
i	Ophiogomphus carolus	Riffle Snaketail	S3	14	19 ±1
i	Lanthus parvulus	Northern Pygmy Clubtail	S3	8	43 ±1
i	Lethe anhedon	Northern Pearly-Eye	S3	7	10 ±1
i	Aglais milberti milberti	Milbert's Tortoise Shell	S3	3	79 ±0.1
i	Polygonia faunus	Green Comma	S3	5	50 ±1
i	Euphydryas phaeton	Baltimore Checkerspot	S3	11	10 ±1
i	Hesperia comma laurentina	Laurentian Skipper	S3	8	10 ±1
i	Hesperia comma	Common Branded Skipper	S3	3	47 ±1
a	Dendroica tigrina	Cape May Warbler	S3?B	46	7 ±5
a	Coccyzus erythrophthalmus	Black-billed Cuckoo	S3?B	43	4 ±0.5
a	Pinicola enucleator	Pine Grosbeak	S3?B,S5N	62	9 ±5
a	Mimus polyglottos	Northern Mockingbird	S3B	10	5 ±5

a	<i>Dumetella carolinensis</i>	Gray Catbird	S3B	109	5 ±5
a	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	S3B	90	6 ±0.5
a	<i>Riparia riparia</i>	Bank Swallow	S3B	121	7 ±5
a	<i>Sterna paradisaea</i>	Arctic Tern	S3B	28	58 ±5
a	<i>Anas clypeata</i>	Northern Shoveler	S3B	10	69 ±5
a	<i>Anas discors</i>	Blue-winged Teal	S3B	85	7 ±5
a	<i>Podilymbus podiceps</i>	Pied-billed Grebe	S3B	47	8 ±5
i	<i>Polygona interrogationis</i>	Question Mark	S3B	6	10 ±1
a	<i>Tringa melanoleuca</i>	Greater Yellowlegs	S3B,S5M	49	9 ±0.5
a	<i>Mergus serrator</i>	Red-breasted Merganser	S3B,S5N	46	9 ±5
a	<i>Calidris pusilla</i>	Semipalmated Sandpiper	S3M	34	9 ±0.5
a	<i>Limosa haemastica</i>	Hudsonian Godwit	S3M	18	63 ±0.5
a	<i>Pluvialis dominica</i>	American Golden-Plover	S3M	18	20 ±0.5
a	<i>Branta bernicla</i>	Brant	S3M	1	94 ±10
a	<i>Calidris maritima</i>	Purple Sandpiper	S3N	10	17 ±0.5
a	<i>Cardinalis cardinalis</i>	Northern Cardinal	S3S4	5	7 ±5
a	<i>Perisoreus canadensis</i>	Gray Jay	S3S4	141	8 ±5
a	<i>Picoides arcticus</i>	Black-backed Woodpecker	S3S4	68	14 ±5
a	<i>Cephus grylle</i>	Black Guillemot	S3S4	23	28 ±0.1
i	<i>Polygonia progne</i>	Grey Comma	S3S4	11	15 ±1
i	<i>Speyeria aphrodite</i>	Aphrodite Fritillary	S3S4	9	50 ±1
i	<i>Callophrys polios</i>	Hoary Elfin	S3S4	1	72 ±1
i	<i>Feniseca tarquinius</i>	Harvester	S3S4	7	10 ±1
a	<i>Passerella iliaca</i>	Fox Sparrow	S3S4B	19	16 ±5
a	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	S3S4B	156	4 ±0.5
a	<i>Wilsonia pusilla</i>	Wilson's Warbler	S3S4B	35	14 ±5
a	<i>Dendroica striata</i>	Blackpoll Warbler	S3S4B	32	8 ±5
a	<i>Dendroica castanea</i>	Bay-breasted Warbler	S3S4B	149	8 ±5
a	<i>Vermivora peregrina</i>	Tennessee Warbler	S3S4B	138	8 ±5
a	<i>Tyrannus tyrannus</i>	Eastern Kingbird	S3S4B	106	7 ±5
a	<i>Sayornis phoebe</i>	Eastern Phoebe	S3S4B	36	8 ±5
a	<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	S3S4B	150	7 ±5
a	<i>Contopus virens</i>	Eastern Wood-Pewee	S3S4B	141	6 ±0.5
a	<i>Gallinago delicata</i>	Wilson's Snipe	S3S4B	65	14 ±5
a	<i>Actitis macularius</i>	Spotted Sandpiper	S3S4B	202	5 ±5
a	<i>Charadrius vociferus</i>	Killdeer	S3S4B	171	5 ±5
a	<i>Botaurus lentiginosus</i>	American Bittern	S3S4B	79	5 ±5
a	<i>Carduelis pinus</i>	Pine Siskin	S3S4B,S5N	125	7 ±5
a	<i>Morus bassanus</i>	Northern Gannet	SHB,S5M	3	70 ±0.5

4.3 RANGE MAPS

The legally protected taxa listed below are linked to the study area by predictive range maps based upon expert estimates of distribution. Taxa listed here but not in the observation data above, are unknown within the study area but perhaps present. Ranges of rank 1 indicate possible occurrence, those of rank 2 and 3 increasingly less probable.

scientific name	common name	prov. rarity	prov. status	COSEWIC	range
a <i>Glyptemys insculpta</i>	Wood Turtle	S3	Vulnerable	T	1
p <i>Listera australis</i>	Southern Twayblade	S2			1
p <i>Isoetes prototypus</i>	Prototype Quillwort	S2	Vulnerable	SC	1
a <i>Alces alces</i> (NS mainland)	Moose	S1	Endangered		1
p <i>Eriocaulon parkeri</i>	Parker's Pipewort			NAR	2

5.0 SOURCE BIBLIOGRAPHY

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