

APPENDIX B. PRIORITY SPECIES LIST









Scientific Name	Common	SRank	COSEWIC	SARA	NSESA	PRIORITY SPECIES LIST Habitat Description
Scientific Name	Name	SKank	COSEWIC	SAKA	NSESA	Habitat Description
				VASCULAR	R PLANTS	
Agalinis purpurea	Purple False- Foxglove	S2S3	-	-	-	Bogs, calcareous and mafic fens, open floodplain swamps, depression ponds, interdune swales, tidal freshwater marshes and swamps; more numerous in a variety of wet to mesic, open, disturbed habitats, including old fields, clearings, and roadsides. Flowers in late summer to early fall (Digital Atlas of Virginia Forest, nd).
Agalinis purpurea var. parviflora	Small-flowered Purple False Foxglove	S2S3	-	-	-	Sandy soils of stream and lake margins, bogs, and barren (NatureServe, 2021)
Agalinis tenuifolia	Slender Agalinis	S1	-	-	-	Anthropogenic (man-made or disturbed habitats), brackish or salt marshes and flats, fresh tidal marshes or flats, meadows and fields, woodlands https://gobotany.nativeplanttrust.org/species/agalinis/tenuifolia/; Exotic to Nova Scotia, http://www.accdc.com/webranks/NSall.htm.
Ageratina altissima var. altissima	White Snakeroot	S1S2	-	-	-	Grows in moist soils at the edge of fields and forests. Flowers late summer, August and September. Known from Mill Brook, McGahey Brook and a brook near Refugee Cove, all in Cape Chignecto Provincial Park; older collection from Antigonish County. (Munro, Newell and Hill, 2014)
Allium schoenoprasum	Wild Chives	S1?	-	-	-	Wet meadows, rocky or gravelly stream banks and lake shores. Flowering June to August (Flora North America).
Allium schoenoprasum var. sibiricum	Wild Chives	S1?	-	-	-	Wet meadows, rocky or gravelly stream banks and lake shores. Flowering June to August (Flora North America).
Allium tricoccum var. burdickii	Narrow-leaved Wild Leek	S1?	-	-	-	DISTRIBUTION NOT KNOWN IN NS. Dry soil in upland woods. Flowering early June (Flora North America).
Amelanchier fernaldii	Fernald's Serviceberry	S2S3	-	-	-	Thickets, open barrens, shores, and ravines. Occurs mostly in calcareous areas. Grows in riparian and shrub wetlands (Nature Serve Explorer, nd). Flowers June - August (Munro, Newell & Hill, 2014).
Amelanchier spicata	Running Serviceberry	S3S4	-	-	-	Man-made or disturbed habitats, cliffs, balds, ledges, forest edges, grassland, meadows and fields, woodlands (GoBotany, nd). Flowers in the spring (NC State Extension, nd)









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Andersonglossum boreale	Northern Wild Comfrey	S1	-	-	-	A generalist. along the borders of woods and thickets, along trails and pathways through woods, and within upland deciduous woods. It appears to prefer circumneutral or even calcareous areas. The soils are usually sandy or rocky (New York Natural Heritage Program 2005). Rare in open woods and roadsides (Rhoads and Block 2000). Borders, openings, and clearings or under dense shade in coniferous or mixed woods (fir, cedar, spruce, pine, birch, aspen, and occasionally beech and maple), especially in sandy or rocky soil (Voss 1996). Uplands woods (Gleason & Cronquist 1991). Rich woods and thickets (Fernald 1970). flowers of this plant begin to appear mid-May and persist into early July
Anemone virginiana	Virginia Anemone	S3	-	-	-	Calcareous and slate ledges along streams. Intervals and thickets of same. Flowers in early July (Munro, Newell & Hill, 2014)
Anemone virginiana var. alba	Virginia Anemone	S1S2	-	ı	-	Calcareous and slate ledges along streams. Intervals and thickets of same. Flowers in early July (Munro, Newell & Hill, 2014)
Angelica atropurpurea	Purple-stemmed Angelica	S3	-	1	-	Grows in swamps, meadows, in ditches and along streams. Flowers late May until September. Very abundant in northern Cape Breton (Munro, Newell & Hill, 2014)
Antennaria parlinii	Parlin's Pussytoes	S2	-		-	Found in dry soils of pine and oak forests, pastures, oldfields, and rocky banks. Flowers in June or July. Only known from along the LaHave River (Bridgewater), the Halfway River (Hants County) and from several Kings County locations. More recently found along the Kennetcook River, Hants County and East Branch River John, Pictou County (Munro, Newell and Hill, 2014).
Antennaria parlinii ssp. fallax	Parlin's Pussytoes	S2	_	_	-	Found in dry soils of pine and oak forests, pastures, oldfields, and rocky banks. Flowers in June or July. Only known from along the LaHave River (Bridgewater), the Halfway River (Hants County) and from several Kings County locations. More recently found along the Kennetcook River, Hants County and East Branch River John, Pictou County (Munro, Newell and Hill, 2014).
Asplenium viride	Green Spleenwort	S3	-	-	-	Limestone and other basic rocks (Flora of North America).









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Atriplex glabriuscula var. franktonii	Frankton's Saltbush	S3S4	-	-	-	confined to indigenous salt marsh and beach habitats. t is very common in northern areas, such as the Northumberland Strait region and along Cape Breton's northern coasts. Occasionally seen elsewhere as near Truro and Halifax.
Barbarea orthoceras	American Yellow Rocket	S1	-	-	-	It inhabits ice-scoured river shores on high-pH bedrock or till, and on wet talus in the subalpine zone.
Bartonia virginica	Yellow Bartonia	S3S4	-	-	-	Flowers July to September. Dry barrens, sandy or peaty soils, bogs, lakeshores. Common in the southwestern counties becoming scarcer east to Annapolis and Halifax; St. Peter's area of Cape Breton.
Bidens beckii	Water Beggarticks	S3S4	-	-	-	Found in shallows of sluggish streams and ponds. Flowers during August and September. Scattered throughout but more abundant from Pictou northward. (Munro, Newell and Hill, 2014).
Bidens vulgata	Tall Beggarticks	S3S4	-	-	-	Widely tolerant of habitats, from waste urban ground to dykelands. Scattered from Kings and Cumberland counties to Pictou. Reported to be common at Truro. Flowers through late summer (Munro, Newell & Hill, 2014).
Botrychium lanceolatum	Triangle Moonwort	S2S3	-	-	-	Kentville Ravine (Kings County); Colchester, Cumberland and a few sites in western Cape Breton. Rare where found and of limited distribution in the Northern counties. Found where there are fertile soils on wooded hillsides. Bogs, fens, forests, meadows, fields, swamps and edges of wetlands. This species releases its spores later than most moonworts (July to August) (Minnesota Environment and Natural Resources Trust Fund, Go Botany and Munro et al., 2014).
Botrychium lanceolatum ssp. angustisegmentu m	Narrow Triangle Moonwort	S2S3	-	-	-	Kentville Ravine (Kings County); Colchester, Cumberland and a few sites in western Cape Breton. Rare where found and of limited distribution in the Northern counties. Found where there are fertile soils on wooded hillsides. Bogs, fens, forests, meadows, fields, swamps and edges of wetlands. This species releases its spores later than most moonworts (July to August) (Minnesota Environment and Natural Resources Trust Fund, Go Botany and Munro et al., 2014).









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Botrychium simplex	Least Moonwort	S2S3	-	-	-	Scattered locations from Yarmouth County to Cape Breton: Cedar Lake (Digby-Yarmouth border), West Berlin (Queens County), Petpeswick and in Antigonish, Victoria and Inverness Counties. Reported from various habitats, usually involving damp or mossy streambanks or lakeshores. Also anthropogenic habitats (man-made or disturbed habitats), meadows and fields. Subspecies: occurs primarily in open sites, including prairies, wetlands, and abandoned mine sites. Spores produced in late May and June (Minnesota DNR, Go Botany and Munro et al., 2014).
Botrychium simplex var. simplex	Least Moonwort	S2S3	-	-	-	Scattered locations from Yarmouth County to Cape Breton: Cedar Lake (Digby-Yarmouth border), West Berlin (Queens County), Petpeswick and in Antigonish, Victoria and Inverness Counties. Reported from various habitats, usually involving damp or mossy streambanks or lakeshores. Also anthropogenic habitats (man-made or disturbed habitats), meadows and fields. Subspecies: occurs primarily in open sites, including prairies, wetlands, and abandoned mine sites. Spores produced in late May and June (Minnesota DNR, Go Botany and Munro et al., 2014).
Bromus latiglumis	Broad-Glumed Brome	S2	-	-	-	Floodplain (River or stream floodplains), forest, shores of rivers or lakes (Go Botany)
Caltha palustris	Yellow Marsh Marigold	S2S3	-	-	-	Restricted to the Northumberland coast, majority found in Inverness county. Grows in open or treed swamps, alder marshes and meadows. Flowers in early June. Restricted to the Northumberland coastal plain: Mabou, Northeast Margaree, Margaree River, Terre Noir. St. Josephdu-Moine, Cheticamp, Pleasant Bay area, all of Inverness County. North shore of Merigomish Island, Pictou County represents the only mainland collection to date
Cardamine dentata	Toothed Bittercress	S1	-	-	-	rare species of calcareous swamps and fens
Cardamine maxima	Large Toothwort	S2	-	-	-	rich, moist forests. Floodplain (river or stream floodplains), forests, talus and rocky slopes
Carex adusta	Lesser Brown Sedge	S2S3	-	-	-	dry open forest or recent clearings (cutblocks) on acidic, gravelly soils. Frequent after fire. Flowering and fruting from June to September (Munro, Newell & Hill, 2014)









Carex digitalis	Slender Wood	S1	-	_	_	Generally found in forested habitats: deciduous or mixed
	Sedge					deciduous (but focus on richer areas -moist slopes) over a
	8-					variety of soils. Only found in Keji park at this time. Fruits in
						early summer. (Munro, Newell & Hill, 2014)
Carex digitalis	Slender Wood	S1	-	-	_	Generally found in forested habitats: deciduous or mixed
var. digitalis	Sedge					deciduous (but focus on richer areas -moist slopes) over a
						variety of soils. Only found in Keji park at this time. Fruits in
						early summer. (Munro, Newell & Hill, 2014)
Carex grisea	Inflated Narrow-	S1	-	-	-	floodplain forest and deciduous woods (Munro, Newell & Hill,
	leaved Sedge					2014)
Carex hirtifolia	Pubescent Sedge	S3	-	-	-	calcareous regions in thickets, deciduous forests and
						floodplains, forest openings (Illinois Wildflowers, nd).
						Scattered around the lowlands in the central counties as at
						Shubenacadie and Brookfield. Also along the Meander and
						Herbert rivers, Hants Co (Munro, Newell & Hill, 2014)
Carex	Houghton's	S2S3	-	-	-	sandy soils, along roadsides. Sandy disturbed area.
houghtoniana	Sedge					
Carex hystericina	Porcupine Sedge	S2S3	-	-	-	*note: resembles the more common C. lurida, but for the
						presence of many nerves on the perigynia, extending to the
						orifice. Habitat: seeps, marshes and shoreline fens. Fruits in late
						spring to mid-summer. Orange listed (Minnesota Wildflowers,
						nd)
Carex normalis	a Sedge	S1	-	-	-	Open, often wet, woods, thickets, meadows and roadsides.
						Fruiting early summer (Flora of North America, nd)
Carex pellita	Woolly Sedge	S2	-	-	-	Wet soils in fields, meadows and marshes, especially in
_						calcareous regions under successional conditions. Flowering
						and fruiting from May - August. Known only from East River
						of Pictou, Pictou Co. (Munro, Newell & Hill 2014)
Carex	Pennsylvania	S1?	-	-	-	Grows in dry, rocky soils as in dry open woodlands. Flowers
pensylvanica	Sedge					and fruits produced early to mid-May (Munro, Newell & Hill
	-					2014)
Carex plantaginea	Plantain-Leaved	S1	-	-	-	Rich, moist, deciduous or mixed deciduous-evergreen forests,
	Sedge					on slopes along streams or along edges of moit depressions,
						southward in mountain gorges. Fruiting in spring (Flora of
						North America, nd)
Carex rosea	Rosy Sedge	S3	-	-	-	Grows in dry soils beneath deciduous forests and thickets.
						Flowers from May to early July.









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Carex scirpoidea ssp. scirpoidea	Scirpuslike Sedge	S2S3	-	-	-	Moist alpine meadows, stream banks, and open rocky slopes, thin and rocky soils, rock outcrops, and talus slopes. Flowers June - August (DNR WA, nd)
Carex vacillans	Estuarine Sedge	S1S3	-	-	-	Saline, brackish shores, swales, salt and intertidal marshes. Fruiting in June to August (Flora of North America).
Carex viridula ssp. brachyrrhyncha	Greenish Sedge	S1	-	-	-	Found along river and lake shores (Go Botany).
Carex viridula var. elatior	Greenish Sedge	S1	-	-	-	Moist to wet fens and runnels, on lime-rich soils. Fruiting in July-August (Flora North America).
Carex viridula var. saxilittoralis	Greenish Sedge	S1	-	-	-	Moist to wet, exposed shores and limestone barrens. Fruiting July-August (Flora North America).
Caulophyllum thalictroides	Blue Cohosh	S2S3	-	-	-	Shade-tolerant, restricted to river floodplain deciduous forests. Appears in April, until beginning of June. A wide and patchy distribution over the northern portion of the province from Annapolis River to River Denys in Cape Breton (Munro, Newell & Hill, 2014).
Cerastium arvense ssp. strictum	Matted Field Chickweed	S1?	-	-	-	flowers May until frost.cliffs, talus slopes, quarries, rocky beaches, coastal headlands, and in high-pH and serpentine communities. Compacted soils, especially on moist lawns and other arable land
Ceratophyllum echinatum	Prickly Hornwort	S3	-	-	-	Marshes. A plant more typical of the shallows of acidic water bodies than its congener.
Coleataenia longifolia	Long-leaved Panicgrass	S3S4	-	-	-	Marshes, meadows and fields, shores of rivers or lakes (GO Botany).
Coleataenia longifolia ssp. longifolia	Coastal Plain Panicgrass	S3S4	-	-	-	Marshes, meadows and fields, shores of rivers or lakes (GO Botany).
Comandra umbellata ssp. umbellata	Bastard's Toadflax	S2	-	-	-	Found in swamps and bogs, rich mesic sites, dry, sandy or rocky soils, savannas, early successional forests. Flowers March - August (Flora of North America, nd)
Conioselinum chinense	Chinese Hemlock-parsley	S3	-	-	-	Found in treed swamps, mossy coniferous forest, seepy coastal slopes. Flowers from August to October. Common on Saint Paul Island and infrequent elsewhere (Munro, Newell & Hill, 2014).









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Conopholis americana	American Cancer-root	S2	-	-	-	Reported from the western half of the province - Parasitic plant found in trees, particularly oaks and other deciduous trees - Flowers April to July (Munro, Newell & Hill, 2014)
Crataegus submollis	Quebec Hawthorn	S2?	-	-	-	Anthropogenic (man-made or disturbed habitats), forest edges, meadows and fields, shrublands or thickets. Flowers in June (GoBotany, nd).
Crataegus succulenta	Fleshy Hawthorn	S3S4	-	-	-	Forest edges, forests, meadows and fields. Also found in abandoned farmland, along streams and in forest openings. Flowers in late spring (Natural Resources Canada, nd).
Crataegus succulenta var. succulenta	Fleshy Hawthorn	S3S4	-	-	-	Forest edges, forests, meadows and fields. Also found in abandoned farmland, along streams and in forest openings. Flowers in late spring (Natural Resources Canada, nd).
Cuscuta cephalanthi	Buttonbush Dodder	S2?	-	-	-	Flowers during August and September. Low-lying coastal areas, often seen parsitizing Symphyotrichum novibegii. Anthropogenic (man-made or disturbed habitats), meadows and fields, shores of rivers or lakes, swamps
Cyperus lupulinus ssp. macilentus	Hop Flatsedge	S1	-	-	-	Various well-drained, open places. Fruiting summer (Flora North America).
Cypripedium parviflorum var. makasin	Small Yellow Lady's-Slipper	S2	-	-	-	Mesic to wet fens, prairies, meadows, thickets, open coniferous, and mixed forest. Flowering in May to August (Flora of North America).
Desmodium canadense	Canada Tick- trefoil	S2	-	-	-	Flowers in late July. Riparian, open forests. average to moist sandy or rocky soil; prairies, along shores, along roads, railroads, open woods. Kejimkujik Park to the Pictou County rivers. Rare from Annapolis to Colchester Co.
Dichanthelium linearifolium	Narrow-leaved Panic Grass	S3	-	-	-	Soils both dry and sandy. Flowers and fruiting from July to October (Munro, et al., 2014).
Diphasiastrum complanatum	Northern Ground-cedar	S3S4	-	-	-	Infrequent, scattered through the Cobequid hills southwest to the Annapolis Valley and east to Cape Breton. Deciduous forests and brushy hillsides spreading out into abandoned fields. Anthropogenic (man-made or disturbed habitats) habitats, forest edges, forests, meadows and fields. Flowers from July to October (Minnesota Environment and Natural Resources Trust Fund, Go Botany and Munro et al., 2014).
Diphasiastrum sitchense	Sitka Ground- cedar	S3S4	-	-	-	Has been observed in Kings County to Northern Victoria County. Commonly found on alpine and subalpine barrens or wooded slopes in Northern Nova Scotia. Also found in anthropogenic habitats (man-made or disturbed habitats),









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						meadows and fields. Subspecies: somewhat rare but widespread ground-cedar hybrid that frequently occurs in the absence of its parents. No sources that state specific flowering time, most likely during the general growing season in Nova Scotia: June to September (Go Botany and Munro et al., 2014).
Diphasiastrum x sabinifolium	Savin-leaved Ground-cedar	\$3?	-	-	-	Has been observed in Kings County to Northern Victoria County. Commonly found on alpine and subalpine barrens or wooded slopes in Northern Nova Scotia. Also found in anthropogenic habitats (man-made or disturbed habitats), meadows and fields. Subspecies: somewhat rare but widespread ground-cedar hybrid that frequently occurs in the absence of its parents. No sources that state specific flowering time, most likely during the general growing season in Nova Scotia: June to September (Go Botany and Munro et al., 2014).
Eleocharis flavescens	Pale Spikerush	S3	-	-	-	Bogs, brackish or salt marshes and flats, floodplain (river or stream floodplains), marshes, shores of rivers or lakes, wetland margins (edges of wetlands) (Go Botany).
Eleocharis flavescens var. olivacea	Bright-green Spikerush	S3	-	-	-	Bogs, cold springs, dry stream banks, lake and pond margins, maritime mud flats, marshes, moist meadows, swamps. Fruiting summer-winter (June-November) (Flora North America).
Elymus hystrix	Spreading Wild Rye	S1	-	-	-	Meander River and Five Mile River, Hants Co, and East River of Pictou Co. Wooded lowlands and terraces. Fruiting from June to August (Munro, et al., 2014).
Epilobium lactiflorum	White-flowered Willowherb	S1?	-	-	-	Alpine or subalpine zones, cliffs, balds or ledges, shores of rivers or lakes (GoBotany, nd).
Equisetum pratense	Meadow Horsetail	S3S4	-	-	-	Known to be in several streams in Hants, Colchester and Cumberland counties, in addition to Victoria and Inverness Counties. Uncommon and limited to alluvial thickets, pastures and treed streamsides, including gravelly bars. Flowers mid to late spring (Minnesota Environment and Natural Resources Trust Fund and Munro et al., 2014).
Euphrasia farlowii	Farlow's Eyebright	S1S3	-	-	-	Dry, grassy habitats on sandstone or limestone barrens, rocks, ledges, sandy beaches. http://beta.floranorthamerica.org/Euphrasia_farlowii
Fagus grandifolia	American Beech	S3S4	-	-	-	Forests
Fallopia scandens	Climbing False Buckwheat	S3S4	-	-	-	Uncommon and local, from Digby to Richmond counties on the northern side of the province - Grows on low ground in riparian









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						zones - Flowers mid-August to October (Munro, Newell & Hill, 2014)
Fimbristylis autumnalis	Slender Fimbry	S1	-	-	-	Moist to wet sands, peats, slits, or clays primarily of disturbed, sunny ground such as seeps, ditches, savanna, stream banks, reservoir drawdowns, and pond shores (Flora of North America)
Fragaria vesca	Woodland Strawberry	S3S4	-	-	-	Forming dense patches in shady forests, ravines. Flowers in June. A white-berried form of this species persists in a number of locations within the province: White Rock, Wolfville, Grand Pré and Barrington. (Munro, Newell & Hill, 2014).
Fragaria vesca ssp. americana	Woodland Strawberry	S3S4	-	-	-	Forming dense patches in shady forests, ravines. Flowers in June. A white-berried form of this species persists in a number of locations within the province: White Rock, Wolfville, Grand Pré and Barrington. (Munro, Newell & Hill, 2014).
Fraxinus nigra	Black Ash	S1S2	Threatened	No Status	Threatened	Black ash is typically found in poorly drained areas that are often seasonally flooded. It is most common on peat and muck soils, but also grows on fine sands over sands and loams. Although this species can tolerate still semi-stagnant conditions, there is a preference for swampy woodland stream and river banks with moving water. It is often associated with species such as Red maple, Speckled alder, Balsam poplar, and Black spruce. The species is shade intolerant, and seedlings, saplings and sprouts tend to regenerates only in partially opened forest canopies.
Fraxinus pennsylvanica	Red Ash	S1	-	-	-	Flowers May - June. Found in riparian and upland forest and shelter belts (Minnesota Wildflowers, nd)
Galium aparine	Common Bedstraw	S3S4	-	-	-	Composts, ballast and waste soils. Flowers from May until July (Munro, Newell & Hill, 2014)
Gentianella amarella ssp. acuta	Northern Gentian	S1	-	-	-	Open and forested river banks, subalpine gullies and brook sides, occurring in regions of high-pH bedrock and/or till.
Goodyera repens	Lesser Rattlesnake- plantain	S3S4	-	-	-	Shady, moist, coniferous or mixed woods, on mossy or humus-covered ground. Sometimes it is found in bogs or cedar swamps. Flowering early July-early September (Flora North America).









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Hepatica americana	Round-lobed Hepatica	S2	-	-	-	Local and rare at Bridgewater, New Minas, Windsor, Pictou, Stewiacke, Antigonish and at a couple of North Mountain sites. Recently discovered along the Cogmagun River, Hants Co. Long known from along the St. Andrews River. Populations at Wolfville and St. Croix appear to be extirpated. Grows in dry, mixed deciduous forests. Flowers in April (Munro, Newell & Hill, 2014)
Hordeum brachyantherum	Meadow Barley	S1	-	-	-	Grows in pastures and along streams and lake shores (Flora of North America).
Hordeum brachyantherum ssp. brachyantherum	Meadow Barley	S1	-	-	-	Grows in pastures and along streams and lake shores (Flora of North America).
Humulus lupulus var. lupuloides	Common Hop	S1?	-	-	-	Anthropogenic (man-made or disturbed habitats), floodplain (river or stream floodplains), forests, shrublands or thickets
Huperzia appressa	Mountain Firmoss	S3S4	-	-	-	Also known as Huperzia appalachiana. In Nova Scotia, known from the Fundy coast, Cumberland County (McAlese Brook and Moose River) and Kings County (Amethyst Cove). Also a collection from Clyburne Brook, Victoria County. Found on damp acidic granite as on talus slopes or exposed cliffs. Alpine or subalpine zones, cliffs, balds, or ledges, mountain summits and plateaus, ridges or ledges. Flowers from summer to early fall (Minnesota Environment and Natural Resources Trust Fund, Go Botany and Munro et al., 2014).
Huperzia selago	Northern Firmoss	S1?	-	-	<u>-</u>	Limited to the northern half of the province, as far west as Brier Island, Digby County. Many localities clustered about the Bay of Fundy, inland to the south-facing slopes of the Cobequids and along the slopes of northern Cape Breton. Grows in rock crevices along streams and moist ravines. Anthropogenic habitats (man-made or disturbed habitats), cliffs, balds, or ledges, forests, meadows and fields, shores of rivers or lakes. Flowers from summer to early fall (Minnesota Environment and Natural Resources Trust Fund, Go Botany and Munro et al., 2014).
Hylodesmum glutinosum	Large Tick- trefoil	S2	-	-	1	Anthropogenic (man-made or disturbed habitats), cliffs, balds, or ledges, forest edges, forests, ridges or ledges, talus and rocky slopes. Flowers June to August









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Hypericum x dissimulatum	Disguised St. John's-wort	S2S3	-	-	-	Wet mucky soils in lacustrine habitats. Historically collected from Digby to Halifax Co. with a single specimen from each of Pictou and Guysborough counties (Munro, Newell & Hill, 2014).
Juncus alpinoarticulatus	Northern Green Rush	S2	-	-	-	Fen, fresh tidal marsshes or flats, marshes, meadows and fields, shores of rivers or lakes. Fruiting mid summer to fall (Go Botany).
Juncus anthelatus	Greater Poverty Rush	S1?	-	-	-	Exposed or partially shaded sites in moist or seasonally wet sandy or clay soils. Flowering and fruiting in spring (Flora North America).
Juncus caesariensis	New Jersey Rush	S3	Special Concern	Special Concern	Vulnerable	New Jersey Rush is reported from 16 bogs and fens on the coastal plain of southeastern Cape Breton Island, Nova Scotia. These sites ranged from the Gracieville/Point Michaud area in the south, northeastwards along the coast to Fourchu Bay, a distance of approximately 50 km. Populations also occurred as much as 20 km inland (vicinity of Loch Lomond). The frequent association of this species with animals and lightly used all-terrain-vehicle trails on the edges of bogs and fens suggests a possible dependence on some level of disturbance for the maintenance of open habitat. These disturbances would reduce competition from other species. Seasonal flooding of New Jersey Rush habitats would also prevent the establishment of many species including shrubs.
Juncus stygius ssp. americanus	Moor Rush	S3	-	-	-	Wet moss, bogs and bog-pools. Flowering and fruiting in mid to late summer.
Kalmia procumbens	Alpine Azalea	S1	-	-	-	Alpine or subalpine zones, ridges or ledges
Laportea canadensis	Canada Wood Nettle	S3	-	-	-	Limited to fertile loam or alluvium in deciduous forests and within floodplains. Flowers from July to September (Munro, Newell & Hill, 2014)
Lindernia dubia	Yellow-seeded False Pimperel	S3	-	-	-	Riparian, muddy streamsides, drained ponds. Flowers from late June until frost (Munro, Newell & Hill, 2014)
Liparis loeselii	Loesel's Twayblade	S3S4	-	-	-	Cool, moist ravines, bogs, or fens, wet peaty or sandy meadows, and exposed sand along edges of lakes, often colonizing previously open and disturbed habitats during early and middle stages of reforestation. Flowering May-August (Go Botany).









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Lorinseria areolata	Netted Chain Fern	S3S4	-	-	-	Bogs, meadows and fields, swamps, wetland margins (edges of wetlands) (Go Botany).
Luzula parviflora ssp. melanocarpa	Black-fruited Woodrush	S3S4	-	-	-	uncommon in damp coniferous or mixed woods, cool ravines and banks (Hinds, 2000)
Lysimachia quadrifolia	Whorled Yellow Loosestrife	S1	-	-	-	Anthropogenic (man-made or disturbed habitats), grassland, woodlands, fens, moist prairies (GoBotany, n.d.). Flowers from July - August (LBJ Wildflower Centre, nd).
Malaxis monophyllos	White Adder's- mouth	S1	-	-	-	Found in Fens, ridges or ledges, swamps with northern white- cedar. Flowering in summer (GoBotany).
Malaxis monophyllos var. brachypoda	North American White Adder's- mouth	S1	-	-	-	Found in swamps and bogs. Flower in summer (Flora fo North America).
Mononeuria groenlandica	Greenland Stitchwort	S3	-	-	-	peak flowering time of two weeks in the middle of July,[4] although it does flower anywhere between June to August. isolated and elevated areas. Thin coarse soil or in cracks of acidic rock on open rocky alpine and sub-alpine areas. Sometimes forming large masses in the appropriate habitat.
Neottia bifolia	Southern Twayblade	S3	-	-	-	Bogs and swamps (Go Botany)
Nuphar microphylla	Small Yellow Pond-lily	S3S4	-	-	-	Ponds, lakes, sluggish streams, sloughs, ditches and occasionally tidal waters. Flowers summer - early fall (Flora of North America, nd)
Oenothera fruticosa	Narrow-leaved Evening Primrose	S2S3	-	-	-	Scattered from Yarmouth to the Northumberland Strait - Found in dry open soil habitats such as old fields, edges of thickets and roadsides - Flowers from June to August (Munro, Newell & Hill, 2014)
Oenothera fruticosa ssp. tetragona	Narrow-leaved Evening Primrose	S2S3	-	-	-	Scattered from Yarmouth to the Northumberland Strait - Found in dry open soil habitats such as old fields, edges of thickets and roadsides - Flowers from June to August (Munro, Newell & Hill, 2014)
Ophioglossum pusillum	Northern Adder's-tongue	S2S3	-	-	-	Known from Yarmouth and Digby Counties; scattered east to Halifax and Amherst; a single Cape Breton record from George River. Found in sterile soils, swamps and sandy or cobbly lakeshores. Anthropogenic habitats (man-made or disturbed habitats), marshes, meadows, fields and edges of wetland margins. Spores produced May to August (Go Botany and Munro et al., 2014).









	1		-			PRIORIT I SPECIES LIST
Osmorhiza longistylis	Smooth Sweet Cicely	S2S3	-	-	-	Intervale soils where fertility is high; deciduous forests. Flowers Late June to July. Scattered along the North Mountain in Annapolis and Kings counties to Cumberland Cobequids, infrequent in Cape Breton (Munro, Newell and Hill, 2014)
Oxybasis rubra	Red Goosefoot	S2S3	-	-	-	moist, disturbed soils such pond and lake shores, river and creek banks, and mud flats. Flowers July to September
Oxybasis rubra var. rubra	Red Goosefoot	S2S3	-	-	-	In New York, Red Pigweed has been found along the coast in wet interdunal swales, stony beaches, and the shores of coastal ponds, as well as amongst ship ballast and waste places (New York Natural Heritage Program 2010). Salt marshes (Clemants 1992). Salt marshes and brackish soil (Gleason and Cronquist 1991). Waste ground, shores, and river banks (Voss 1985).
Packera paupercula	Balsam Groundsel	S3S4	-	-	-	Confined to calcareous or gypsum soils, on cliffs, talus and outcrops. Flowers in July. Abundant where found but local to Hants Co. north to northern Inverness Co. (Munro, Newell & Hill, 2014).
Packera paupercula var. paupercula	Balsam Groundsel	S3S4	-	-	-	Confined to calcareous or gypsum soils, on cliffs, talus and outcrops. Flowers in July. Abundant where found but local to Hants Co. north to northern Inverness Co. (Munro, Newell & Hill, 2014).
Panicum dichotomiflorum ssp. puritanorum	Spreading Panicgrass	S1?	-	-	-	Flowering and fruiting from June through October
Parnassia parviflora	Small-flowered Grass-of- Parnassus	S1S2	-	-	-	Rocky seeps. Flowers August to September (Jepson Herbarium, 2021)
Persicaria amphibia var. emersa	Long-root Smartweed	S3?	-	-	-	Bloom on moist soil and are terrestrial-adapted. Flower June - September (Flora of North America)
Persicaria arifolia	Halberd-leaved Tearthumb	S3	-	-	-	Found inf shaded swamps, ponds, tidal marshes along rivers, wet ravine in forests. Flowers July - October (Flora of North America, nd)
Persicaria careyi	Carey's Smartweed	S1	-	-	-	Low thickets, swamps, bogs, moist shorelines, clearings, recent burns, cultivated ground. Flowering July - October (Flora of North America, nd)









						PRIORITY SPECIES LIST
Persicaria pensylvanica	Pennsylvania Smartweed	S3S4	-	-	-	Moist, disturbed places, ditches, riverbanks, cultivated fields, shorelines of ponds and reservoirs. Flowers May - December (Flora of North America, nd)
Pilea pumila	Dwarf Clearweed	S3	-		-	Usually grows in cool shady habitats as found on forested slopes of maple-beech, in the centre of the Province. Flowers from July - October. So far only known from West Branch, Pictou Co.; Little River, near Brookfield, Halifax Co.; and along the Herbert River, Hants Co. at Woodville.
Piptatheropsis canadensis	Canada Ricegrass	S3	-	-	-	Dry sandy or gravelly soil. Open woods clearings, pine plantations, barrens, wooded slopes. Fruiting season-July (Minnesota Wildflowers).
Piptatheropsis pungens	Slender Ricegrass	S2	-	-	-	Sandy dry forests and savannas on dunes and plains, usually with aspen, oak, jack pine, and/or red pine; rocky forests and summits; rock barrens (Reznicek, Voss & Walters, 2011).
Plantago rugelii	Rugel's Plantain	S3	-	-	-	Grows in anthropogenic (man-made or disturbed habitat), grassland, meadows, fields (GoBotany, nd)
Platanthera hookeri	Hooker's Orchid	S3	-		-	Scattered in most of the province, local in the southwestern counties. So far absent from the eastern shore. Grows in open dry forests of mixed conifers. Flower appear from May to August (Munro, et al., 2014).
Platanthera huronensis	Fragrant Green Orchid	S1S2	-	-	-	No good record found. Habitat are known from streamsides, in wetlands, even forests. Flowers throughout the summer (Munro, et al., 2014).
Platanthera obtusata	Blunt-leaved Orchid	S3S4	-	-	-	Fens, Forests, Meadows field and swamps
Podostemum ceratophyllum	Horn-leaved Riverweed	S1	-	-	-	Medium to fast flowing river bottoms with ledge, cobble or sand substrate (GoBotany, nd)
Polygala sanguinea	Blood Milkwort	S3	-	-	-	Previously documented throughout the central/ northern mainland, usually in scant populations - Prefers acidic or runout soil as found in fallow fields or brushlands - Flowers from late June into October (Munro, Newell & Hill, 2014)
Polygonum aviculare ssp. buxiforme	Box Knotweed	S2S3	-	-	-	Roadsides, vacant lots, sidewalks, packed and nondrifting sands, borders of marshes and dunes. Flowering July - December (Flora of North America, nd)









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Narrow-leaved Knotweed	S3?	-	-	-	Found in disturbed areas. Flowers June - November (Flora of North America, nd)
Appalachian Polypody	S3	-	-	-	Nova Scotia distribution still remains unclear. Habitat is restricted to cliffs, rocky slopes, balds, ridges or ledges and talus. No sources that state specific spore production time, most likely during the general growing season in Nova Scotia: June to September (Go Botany and Munro et al., 2014).
oblong-leaved pondweed	S1	-	-	-	Occurs in almost any wet or semi-wet oligotrophic and/or acidic habitat so long as flow is not too rapid. It may be found in lakes, slow-flowing rivers, ponds, ditches, seeps and among bog mosses (Wikipedia).
Pennsylvania Buttercup	S1	-	-	-	Found in wet fields, ditches, marshes, along shores. Flowers June - August (Minnesota Wildflowers, nd)
Cursed Buttercup	S2	-	-	-	Anthropogenic (man-made or disturbed habitats), fresh tidal marshes or flats, marshes, swamps (GoBotany, n.d.). Flowers May - September (Minnesota Wildflowers, nd)
Cursed Buttercup	S1S2	-	-	-	Ponds, riverbanks. Flowers from April - June, October (Jepson Herbarium, 2021)
Little Yellow Rattle	S1	-	-	-	Grows on disturbed, compacted soils as on roadsides, abandoned fields and the like. Flowers from mid-June through July (Munro, Newell & Hill, 2014)
Prickly Rose	S1	-	-	-	Across its range, it grows in a wide variety of forested and open habitats, with a wide variety of soil and moisture conditions. Flowers in the spring (Schori, 2003)
Triangular-valve Dock	S2S3	-	-	-	Grows in moist areas and disturbed habitats, meadows and fields (GoBotany, nd)
Beautiful Willow	S1	-	-	-	Sand and cobbles among granitic boulders, sandy alluvium, on exposed eskers, scree slopes, Sphagnum bogs, Empetrum heaths, snowbeds. Flowers late May - early July (Flora of North America, nd)
Blueberry Willow	S1	-	-	-	Reed bogs, fens, stream banks, subalpine spruce thickets, Pinus contorta woods, sand dunes, coal spoils. Flowers early May - late July (Flora of North America, nd)
Autumn Willow	S1	-	-	-	Fens, meadows and fields, swamps (GoBotany, nd). Also found in brackish marshy strands, marly lakeshores, treed bogs,
	Appalachian Polypody oblong-leaved pondweed Pennsylvania Buttercup Cursed Buttercup Little Yellow Rattle Prickly Rose Triangular-valve Dock Beautiful Willow Blueberry Willow	Appalachian Polypody S3 Oblong-leaved pondweed Pennsylvania Buttercup Cursed Buttercup S2 Cursed Buttercup S1S2 Little Yellow Rattle Prickly Rose S1 Triangular-valve Dock Beautiful Willow S1 Blueberry Willow	KnotweedS3-Appalachian PolypodyS3-oblong-leaved pondweedS1-Pennsylvania ButtercupS1-Cursed ButtercupS2-Cursed ButtercupS1S2-Little Yellow RattleS1-Prickly RoseS1-Triangular-valve DockS2S3-Beautiful WillowS1-Blueberry WillowS1-	Appalachian Polypody S3 - Appalachian Polypody S1 Pennsylvania Buttercup Cursed Buttercup S2 - Cursed Buttercup S1S2 - Little Yellow Rattle Prickly Rose S1 - Triangular-valve Dock Beautiful Willow S1 - Blueberry Willow S3 - - S3 - - S3 - - - Blueberry Willow S1 - - - - S3 - - - S3 - - - S3 - - - - Blueberry Willow	Knotweed S3 -









	1	1			1	PRIORITI SPECIES LIST
						gravelly stream banks, lakeshores. Flowers from early June to early July (Flora of North America, nd).
Samolus parviflorus	Seaside Brookweed	S3	-	-	-	Prefers wet places, shallow water, often on tidal shores. It can also be found in brackish or salt marshes and flats, fresh tidal marshes or flats, riverine (in rivers or streams), swamps (GoBotany, nd; Newell, L. 1977)
Sanicula odorata	Clustered Sanicle	S1S2	-	-	-	Found only on fertile alluvial soils and on intervales. Flowers during July and August. Found at Five Mile River, Hants County, Cornwallis River, Kings County, West River, Pictou County, Salmon River, Colchester County and Southwest Margaree River, Inverness County (Munro, Newell and Hill, 2014).
Saxifraga cernua	Nodding Saxifrage	S1	-	-	-	Imperfectly drained moist areas (near creeks and lakeshores, on moist ledges and in exposed dry sites); acidic, or calcareous, or nitrophilous (often near Thule sites and human habitation), or circum-neutral. Spring to summer flowering time (Aiken et al. 2007)
Saxifraga oppositifolia ssp. oppositifolia	Purple Mountain Saxifrage	S1	-	-	-	Arctic and alpine tundra, mountain ledges, rock crevices, calcareous gravel, raised beach ridges. Flowers spring - summer (Flora of North America, nd)
Sceptridium dissectum	Dissected Moonwort	S3	1	1	-	Frequent in the southwestern counties and scattered eastward to Cape Breton. Not abundant but often seen. Generally in sandy, gravelly, grassy or open soils. Spores from September to November (Munro et al., 2014).
Solidago hispida	Hairy Goldenrod	S1?	1	ı	-	Grows in wooded banks and rocky shores. Infrequent, occasionally seen from Yarmouth to Colchester counties (Munro, Newell & Hill, 2014).
Solidago hispida var. hispida	Hairy Goldenrod	S1?	-	-	-	Grows in wooded banks and rocky shores. Infrequent, occasionally seen from Yarmouth to Colchester counties (Munro, Newell & Hill, 2014).
Solidago rugosa var. sphagnophila	Cedar-swamp Goldenrod	S1S3	-	-	-	Frequents waste soils, forests and fallow fields. Flowers late in August through September. Common throughout the province (Munro, Newell & Hill, 2014).
Sparganium androcladum	Branching Bur- Reed	S1	-	-	-	Found in lakes, ponds, rivers ro streams or the shore of rivers or lakes (Go Botany).









						PRIORITY SPECIES LIST
Spiranthes lucida	Shining Ladies'- Tresses	S2S3	-	-	-	Few Know locations in central NS. Grows in alluvial soils and damp rocky shores. Found in thickets and meadows. Flowers appear in early July (Munro, et al., 2014).
Symphyotrichum boreale	Boreal Aster	S3	-	-	-	Favours lacustrine gravels, streamsides and edges of peatlands. Flowers during August and September . Scattered from Yarmouth to Cape Breton uncommon (Munro, Newell & Hill, 2014).
Symphyotrichum ciliolatum	Fringed Blue Aster	S3	-	-	-	Favours open fields, lawns and edges. Flowers during August and September. Scattered from Hants and Colchester counties to Cumberland, Pictou and Inverness counties (Munro, Newell & Hill, 2014).
Thalictrum confine	Northern Meadow-rue	S1	-	-	-	Alluvial or shingly calcareous shores and talus. Flowers June - July (Flora of North America, nd)
Thuja occidentalis	Eastern White Cedar	S2S3		-	-	Found in riparian areas along streams, in swamps, along lakeshores, in woodland forests and in old pastures. It is shade-tolerant and typically occurs in cool, moist habitats that are nutrient rich. It does best in moderate drainage conditions that are neither too wet nor dry. Eastern White Cedar is typically observed in cool, moist shaded areas.
Tiarella cordifolia	Heart-leaved Foamflower	S2S3	-	-	-	Alluvial soils, deciduous forests even stony roadsides. Flowers mid-May to mid-June (Munro, Newell & Hill, 2014)
Toxicodendron vernix	Poison Sumac	S1	1	-	-	Usually found in swamps or marshes. Flowers from May to July. Only known in Telfer Lake and Apple Tree Lake in Queens county (Munro, Newell & Hill, 2014)
Trichostema dichotomum	Forked Bluecurls	S1	•	-	-	Relatively new to Nova Scotia. Found in anthropogenic/disturbed habitats, grasslands, meadows and fields, sandplains and barrens (GoBotany, nd). Flowers from August to October (Peterson & McKenny, 1968).
Triosteum aurantiacum var. aurantiacum	Orange-fruited Tinker's Weed	S3	-	-	-	Dry-mesic to mesic forests, woodlands, and forest borders
Utricularia ochroleuca	Yellowish-white Bladderwort	S1	-	-	-	Shallow (generally <30cm) acidic waters. Flowers June - September (Jepson Herbarium, 2021)
Verbena hastata	Blue Vervain	S3S4	-	-	-	Limited to mucky fertile soils, as along floodplains. Flowers during August - September (Munro, Newell & Hill, 2014)
Veronica catenata	Pink Water- Speedwell	S1	-	-	-	Shores of rivers or lakes, wetland margins (edges of wetlands) (GoBotany, nd). Flowers May - September (Minnesota Wildflowers, nd)









Viola nephrophylla	Northern Bog Violet	S3	-	-	-	Cool, mossy sites: bogs, streamsides and wet woods. Flowers May - July (Munro, Newell & Hill, 2014)
Viola sagittata var. ovata	Arrow-Leaved Violet	S3S4	-	-	-	Open woods and thickets, disturbed ground, roadsides, powerline rights-of-way. Flowers April - June (Flora of North America, nd)
Woodsia glabella	Smooth Cliff Fern	S2S3	-	-	-	Mainland Nova Scotia has a single locality in Jeffers Brook, Cumberland County. The remainder of known sites are in Northern Nova Scotia: Big Southwest Brook, Lockhart Brook, and on Sky Glen Mountain. A very rare fern, only found on vertical cliffs or streamside (e.g. cliffs, balds, or ledges, ridges or ledges). Spores produced in summer to early fall (Minnesota Environment and Natural Resources Trust Fund, Go Botany and Munro et al., 2014).

Scientific Name	Common Name	SRank	COSEWIC	SARA	NSESA	Habitat Description
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Anzia colpodes	Black-foam Lichen	S3	Threatened	Threatened	Threatened	Anzia colpodes requires mature deciduous tree habitats with high humidity and high light levels. The required humidity is supplied by wetlands, nearby brooks, lakes or by the host's position on upland slopes above a water body. Host tree trunks are usually free of dense undergrowth and the lichen usually occurs at or above the height of the undergrowth (in swamps and fens). A few of the Anzia collections from are reported to be from the canopy of Red Maple trees. Recent searches have found that A. colpodes occurs from 20 cm above the ground to 2 m up the tree trunks.
Erioderma pedicellatum	Boreal Felt Lichen	S1	Endangered	Endangered	Endangered	The existing boreal felt lichen occurs within 25 km of the sea coast at an elevation of up to 300 m above sea level and they are found in forested habitats with low open crown closure. Boreal Felt Lichens are typically found in balsam fir stands, on north-facing trunks of mature and overmature trees. Habitat preference for boreal felt lichen is cool and moist and remains relatively constant throughout the year. They are often located on or at the base of slopes with northern or northeastern exposure.









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Pectenia plumbea	Blue Felt Lichen	S3	Special	Special	Vulnerable	The Blue Felt Lichen is usually found on the trunks of old
			Concern	Concern		broad-leaved trees growing in moist habitats or close to streams
						and lake margins. This lichen occurs in coastal suboceanic
						areas but also some distance inland in damp valleys. It prefers
						cool, humid woodlands that may be mixed
						coniferous/hardwood or dominated by deciduous trees. The
						Blue Felt Lichen seems to prefer mature deciduous trees,
						particularly maple, ash and yellow birch. At its northerly limit
						of distribution in Nova Scotia, the Blue Felt Lichen has once
						been found on moss-covered rocks.
Peltigera	Eastern	S1	Threatened	Threatened	Threatened	Eastern Waterfan grows attached to rocks at or below water
hydrothyria	Waterfan					level in clear, cool, partially shaded streams. Small waterfalls,
						exposed boulders and sinuous stream configurations create
						quiet or protected backwaters where the lichen grows outside
						the main current. In summer, this lichen is often partially or
						completely exposed during low water flow periods. Partial
						shade may be needed to help keep humidity high and
						temperatures low during summer months.
Sclerophora	Frosted Glass-	S3S4	Special	Special	-	Collections from Nova Scotia were on exposed heartwood of
peronella (Atlantic	whiskers		Concern	Concern		living red maple trees growing in old-growth hardwood stands.
pop.)	(Atlantic					Frosted Glass-whiskers grows on old deciduous trees, usually
	population)					on the exposed heartwood of living trunks and more rarely on
						bark, in humid and rather shaded situations. This arboreal
						lichen is often associated with old-growth forests in coastal
						regions, but it is also found in open forests, in clearings, and on
						the margins of old deciduous forests (COSEWIC Assessment
						and Status Report).

	MAMMALS									
Alces alces	Moose	S1	-	-	Endangered					
						forests. They are often found where there is an abundance of				
						food (twigs, stems, and foliage of young deciduous trees and				
						shrubs). In spring, islands and peninsulas are often used by				
						cows when giving birth. In summer, access to wetlands (and				
						aquatic vegetation) is important.				









						PRIORITY SPECIES LIST
Lasionycteris noctivagans	Silver-haired Bat	S1M, SUB	-	-	-	Most commonly found in boreal or coniferous and deciduous forests near bodies of water. Summer day roosts are typically under loose bark in trees such as, willows, maple, ash and dead trees. Maternity colonies can be found in cavities in these trees. Uncommonly, they use human structures (garages, sheds, etc). During the winter, these bats have been found in caves and other rocky areas that provide shelter, in tree cavities, and in buildings.
Lasiurus borealis	Eastern Red Bat	S1M, SUB	-	-	-	Lives in forests, forest edges, and hedgerows. It roosts among foliage, usually in deciduous trees, but sometimes roosts in coniferous trees. Rare in heavily urbanized areas.
Lasiurus cinereus	Hoary Bat	S1M, SUB	-	-	-	They prefer deciduous and coniferous trees at the edge of clearings, but have been found in trees in heavy forests, open wooded glades, and shade trees along urban streets and in city parks.
Myotis lucifugus	Little Brown Myotis	S1	Endangered	Endangered	Endangered	Little Brown Myotis is one of the few bat species that uses buildings and other anthropogenic structures (e.g., bat boxes, bridges, and barns) to roost (particularly for maternity roosting), but it will also use cavities of canopy trees, foliage, tree bark, crevices on cliffs, and other structures.
Myotis septentrionalis	Northern Myotis	S1	Endangered	Endangered	Endangered	Northern Myotis may hibernate in cooler sections of a cave. Northern Myotis will generally return to the same hibernaculum, but not always in consecutive years. Northern Myotis roost singly or in small groups and favour tree roosts (under raised bark and in tree cavities and crevices), but they can also be found in anthropogenic structures (e.g., under shingles). Northern Myotis' maternity roosts are strongly associated with forest cover, streams, and tree characteristics (e.g., species, height, diameter, age, and decay). Females prefer to roost in tall, large diameter trees in early- to mid-stages of decay. Maternity colonies in Nova Scotia were generally in larger-than-average trees. Males generally roost alone under raised bark or within cavities of trees in mid-stages of decay.
Pekania pennanti	Fisher	S3	-	-	-	They are often found in deciduous and mixedwood forest stands in the forested region. They can also be found in wetland vegetation types including shrubby swamps, shrubby bogs, and marshes. There is a higher likelihood to find them in harvested stands compared to naturally regenerating stands of similar age.









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Perimyotis	Tricolored Bat	S1	Endangered	Endangered	Endangered	Tri-colored Bat often select the deepest part of caves or mines
subflavus						where temperature is the least variable, have strong humidity
						level preferences, and use warmer walls than other species.
						They have been recorded within any one hibernacula, possibly
						because they tend to hibernate solitarily (i.e., not in clusters) in
						the deepest sections of the caves/mines. Tri-colored Bats
						exhibit high fidelity to hibernacula. Roosts provide thermal
						regulation, shelter from weather and predation, and can be sites
						for social interaction. Individuals may switch roosts regularly
						and therefore, may use a network of roosts in a roosting area.
						The tendency to switch roosts may depend on species, sex, age,
						reproductive status, and roost type.
Sorex	Maritime Shrew	S3	-	-	-	Often found in marshes and wet meadows The most favoured
maritimensis						habitat is the edges of freshwater swamps and marshes which
						have become overgrown with tangled grass and rushes.
Sorex palustris	American Water	S3S4	-	-	-	Mostly aquatic, the water shrew lives beneath the overhanging
	Shrew					banks and in rock crevices along the edges of swiftly flowing
						mountain streams. Rhododendron and yellow birch are usually
						the dominant vegetation in these areas.
Synaptomys	Southern Bog	S3	-	-	-	They are often found in sphagnum bogs and low moist places,
cooperi	Lemming					but they are also found in grasslands, mixed
						deciduous/coniferous forests, spruce-fir forests, freshwater
						wetlands, marshes, and meadows. They prefer areas with a
						thick mat of herbaceous and shrubby vegetation.

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						PRIORITY SPECIES LIST
Chelydra serpentina	Snapping Turtle	S3	Special Concern	Special Concern	Vulnerable	They are common in southwestern Nova Scotia and less common on the northeastern mainland. Although Snapping Turtles occupy a wide variety of habitats, the preferred habitat for this species is characterized by slow-moving water with a soft mud bottom and dense aquatic vegetation. Established populations are most often found in ponds, marshes, swamps, peat bogs, shallow bays, river and lake edges, and slow-moving streams. turtles appear to prefer the following characteristics for their hibernacula: water shallow enough to let the turtle reach the surface to breathe, but deep enough so the water will not freeze to the bottom; a location that is likely to freeze over later in the season and thaw earlier in the spring; a thick layer of mud in which the turtle can bury itself; and additional submerged cover, such as a floating mat of vegetation, roots, stumps, branches or logs, a muskrat dwelling or an overhanging bank.
Chrysemys picta picta	Eastern Painted Turtle	S4	Special Concern	Special Concern	-	Eastern Painted Turtle is found in New Brunswick, Nova Scotia, and the Atlantic coastal states east of the Appalachian Mountains. Painted Turtles occupy slow moving, relatively shallow and well-vegetated wetlands (e.g., swamps, marshes, ponds, fens, bogs, and oxbows) and water bodies (e.g., lakes, rivers, creeks, and streams) with abundant basking sites and organic substrate. These turtles are found in association with submergent aquatic plants, which are used for cover and feeding. The species is semi-tolerant of human-altered landscapes and may occasionally be found occupying urban ponds and lands subject to anthropogenic disturbance (e.g., farm ponds, impoundments, water treatment facilities). Suitable nesting habitat includes open, often south-facing, and sloped areas with sandy- loamy and/or gravel substrate usually within 1200 m of aquatic active season habitats. Painted Turtles overwinter in shallow water with deep sediment (COSEWIC Assessment and Status Report).









						PRIORIT I SPECIES LIST
Glyptemys insculpta	Wood Turtle	S2	Threatened	Threatened	Threatened	Wood Turtles are strongly associated with meandering, shallow rivers with sand, gravel, and/or cobble bottoms; these rivers are typically clear, with moderate current and frequent oxbows. Wood Turtles hibernate aquatically in streams and rivers (October to April, depending on location). Overwintering sites are usually on the bottom of deep pools, often with fallen debris that provides structure and prevents dislodging during high flow events. Found throughought the Province with concentrations in Guysborough and Annapolis Counties. Local plants include alders, chokecherry, hawthorn and mixed wood stands of deciduous and coniferous trees. Females lay their eggs in sandy bars along rivers and other gravel areas (driveways, roadsides, borrow pits) in
Hemidactylium scutatum	Four-toed Salamander	S3	-	-	-	June. Four-toed salamanders have specialized habitat requirements which require suitable breeding wetlands within or adjacent to mature forests. They prefer mature, mesic forests with dense canopy cover to preserve body moisture, an abundance of downed woody debris for cover and foraging opportunities, and vernal pools, ponds, bogs, shallow marshes, or other fishless bodies of water for nesting and larval success. Wooded wetlands such as seepage swamps or cedar swamps with many moss mats are ideal. Male adults can be located under leaves, bark, and logs in the upland forest, while females are most often found during the breeding season nesting in moss mats which overhang pools of water. (Harding 1997).









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Accipiter cooperii	Cooper's Hawk	S1?B,SU N,SUM	-	-	-	Not common in Nova Scotia but does breed in the province. Found in mature forest, open woodlands, wood edges and river groves. Nests in coniferous, deciduous and mixed woods, typically those with tall trees and with openings or edge habitat nearby. Also found among trees along rivers through open country, and increasingly in suburbs and cities where tall trees exist for nesting (e.g., parks, open fields and even backyards with feeders). Breeds between April and July (Audubon and The Cornell Lab)
Accipiter gentilis	Northern Goshawk	S3S4	-	-	-	Found in coniferous and mixed forests. Generally restricted to wooded areas (along riparian corridors) but may be in relatively open woods or along edges. Often more common as a breeding bird in mixed woods (e.g., mature and old-growth forests with more than 60% closed canopy). In the East, goshawks seek out nest sites in mixed-hardwood forests where beeches, birch, hemlock and maples dominate. Goshawks often build nests near breaks in the canopy, such as a forest trail, road or opening created by a downed tree and prefer sites with a creek, pond or lake nearby. Breeds between April and July. May mate for life (Audubon and The Cornell Lab).
Actitis maculari	usSpotted Sandpiper	S3S4Spotted	Sandpiper	-	-	Common near fresh and saltwater. Habitat includes pebbly lake shores, ponds, and stream sides (and seashores in the winter). Spotted Sandpipers spend the winter along the coasts of North America. During migration and winter, this species is found along the coast on mudflats, beaches, and breakwaters (also found in inland habitats such as sewage ponds and irrigation ditches). Breeds near the edge of fresh water in a wide variety of settings, including lakes, ponds, rivers, and streams (in either open or wooded country). Breeding territories generally need to have a shoreline, a semi-open area for the nest and patches of dense vegetation to conceal the







						PRIORITY SPECIES LIST
						chicks. Breeds between April and July (Audubon and The Cornell Lab).
Aegolius funereus	Boreal Owl	S2?B,SU M	-	-	-	Year-round resident, mainly in Cape Breton (MBBA, as of July 2021). Does not migrate regularly, but is nomadic and moves outside of range when prey is scarce. Boreal Owls occur in stands of spruce, aspen, poplar, birch and fir in the boreal forest (muskeg, mixed-wood and conifer forests). They also occur in high elevation mountains with subalpine forests in Canada. In the winter, they forage in spruce-fir forests where uncrusted snow under the trees facilitates access to prey. In spring, they often forage in clearcuts and agricultural fields where small mammals are easier to locate. Beginning in late winter or early spring, male sings at night to defend territory and attract a female (Audubon and The Cornell Lab).K
Anas acuta	Northern Pintail	S1B,SUM	-	-	-	Found in marshes, prairies, fresh ponds, lakes and salt bays. Summers in wide variety of open habitats, including prairies, farmland, northern tundra and near bodies of water. Breeds in seasonal wetlands, open areas with short vegetation, wet meadows, grasslands and crop fields. During the nonbreeding season they use flooded and dry agricultural fields, lakes, reservoirs, estuaries, saltmarshes, freshwater and brackish wetlands and bays. Pintails also use different habitats depending on time of day (e.g. tend to forage in wetlands during the day). Breeds between April and July (Audubon and The Cornell Lab)
Antrostomus vociferus	Eastern Whip- Poor-Will	S1?B	Threatened	Threatened	Threatened	Roughly 50% of home ranges consisted of open habitats, used primarily for foraging. Common habitat choices include rock or sand barrens with scattered trees, savannahs, old burns or other disturbed sites in a state of early to mid-forest succession, or open conifer plantations. Accordingly, pine









					(barrens and plantations), oak (barrens and savannahs), and aspen and birch (early to mid-succession) are common tree species associations. Individuals will often feed in nearby shrubby pastures or wetlands where perches, and power-line and roadway corridors are also occupied. Other necessary habitat elements are thought to involve ground-level vegetation and woodland size. Areas with little ground cover are preferred.
Asio flammeus	Short-eared Owl	S1B	Threatened	Special Concern	Short-eared Owls breed primarily in well-drained grasslands near coastal wetlands. In areas with extensive coastlines, some caution is warranted in summarizing breeding habitat as inland marshes and bogs are less frequently monitored and thus may be under-represented in assessments of breeding habitat (COSEWIC Assessment and Status Report).
Asio otus	Long-eared Owl	S2S3	-	-	- Known to breed throughout Nova Scotia. They occur at elevations ranging from near sea level to above 6,500 feet. May be nomadic at times, moving about in response to changing food supplies. Favored habitat includes dense trees for nesting and roosting and open country (e.g. grasslands and shrublands) for hunting. Inhabits a wide variety of such settings, including forest with extensive meadows to groves of conifers or deciduous trees. Generally, avoids unbroken forest. Known to be an early breeder. Breeds between April and July (Audubon and The Cornell Lab).
Botaurus lentiginosus	American Bittern	S3S4B, S4S5M	-	-	- Found in marshes and reedy lakes. Breeds in freshwater marshes, mainly large, shallow wetlands with a large amount of tall marsh vegetation (cattails, grasses and sedges) and areas of open shallow water. Sometimes feeds in dry grassy fields. They are rarely seen out in the open, prefers vegetation









Branta bernicla	Brant	S3M	-	-	cover. Breeds between April and July (Audubon and The Cornell Lab) - Found throughout all of Nova Scotia during migration (winter to spring breeding season). Most migrating and wintering Brant in eastern North America use coastal waters, especially lagoon systems behind barrier beaches, where eelgrass, sedges, and algae are plentiful. When not feeding, Brant roost on mudflats, barrier islands and sand spits near their foraging areas. Breeds between April and July (Audubon and The Cornell Lab)
Bucephala islandica	Barrow's Goldeneye	S1N, SUM	Special Concern	Special Concern	Lakes and ponds. They are usually in coniferous or aspen woodlands (elevations of up to about 6,100 feet). They favor shallower waters than Common Goldeneyes. In winter, they live in coastal waters and rivers. Breeds on cold inland waters, such as small lakes, rivers, beaver ponds, mostly in forested country but also in open terrain. In winter they are mainly on shallow, protected coastal waters, such as bays and estuaries. May winter far inland on lakes and rivers, even in very cold regions where hot springs keep water open. Barrow's Goldeneye wintering habitat extends along the shores of the Atlantic provinces.
Buteo lagopus	Rough-legged Hawk	S3N	-	-	- Common across Nova Scotia during nonbreeding (winter). Spends the winter in open country, including grasslands, coastal prairies, marshes, farmland and dunes. In tree-covered areas they hunt over open bogs and other clearings. Breeds mostly on tundra, in areas having cliffs for nest sites; some breed along northern edge of coniferous forest zone. Roughlegged Hawks breed in open country of the arctic, both in North America and Eurasia. Breeds between April and July. May mate for life (Audubon and The Cornell Lab).
Calcarius lapponicus	Lapland Longspur	S3?N,SU M	-	-	They winter in vast agricultural fields that are often devoid of other birdlife in that season in southern area, and head up to









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						the tundra to breed in the summer. Breeds between April and July (Cornell Lab, Audubon).
Cardellina canadensis	Canada Warbler	S3B	Special Concern	Threatened	Endangered	Forest undergrowth, shady thickets. Breeds in mature mixed hardwoods of extensive forests and streamside thickets. Prefers to nest in moist habitat: in luxuriant undergrowth, near swamps, on stream banks, in rhododendron thickets, in deep, rocky ravines and in moist deciduous second-growth.
Cardellina pusilla	Wilson's Warbler	S3B,S5M	-	-	-	Found in thickets along wooded streams, moist tangles, low shrubs, willows, alders. Breeds in thickets, second-growth, bogs, or in alder and willow groves near streams and ponds. In migration and winter, occurs from hot lowland thickets up to cool mountain woods; always in scrubby overgrown clearings and thin woods, not in the interior of dense forest. Breeds between April and July (Cornell Lab, Audubon).
Cathartes aura	Turkey Vulture	S2S3B,S4 S5M	-	-	-	In past was not surveyed/very rare to see Turkey Vultures in Nova Scotia, but as the climate warms, they are now sighted across the province (MBBA and Nova Scotia Bird Society). Look for Turkey Vultures as they soar high over open areas. They are particularly noticeable along roadsides and at landfills. At night, they roost in trees, on rocks and other high secluded spots. Most common over open or semi-open country (including mixed farmland, forest, rangeland and even small offshore islands), especially within a few miles of rocky or wooded areas providing secure nesting sites. Generally avoids densely forested regions. Breeds between April and July (Audubon and The Cornell Lab)
Charadrius vociferus	Killdeer	S3B	-	-	-	Favors fields, sandbars, lawns, riverbanks, coastal estuaries, mudflats and shores. Often found on open ground, such as pastures, plowed fields and large lawns, even at a great distance from water. This species does well in areas disturbed by humans and is commonly spotted on roads, lawns, airports, parking lots, golf courses, fields and in gravel areas. Most successful nesting areas have some shallow water close by or









						PRIORITY SPECIES LIST
						other good feeding area for the chicks. Generally the vegetation in fields inhabited by Killdeer is no taller than one inch. You can find Killdeer near water, but unlike many other shorebirds, they are also common in dry areas. Spring migration is very early, returning to some northern areas in February or March. Breeds between March and July (Audubon and The Cornell Lab).
Chordeiles minor	Common Nighthawk	S3B	Special Concern	Threatened	Threatened	Common Nighthawk breeds in a range of open and partially open habitats, including forest openings and post-fire habitats, prairies, bogs, and rocky or sandy natural habitats, as well as disturbed areas. It is also found in settled areas that meet its habitat needs, those with open areas for foraging and bare or short-cropped surfaces for nesting. The species use of a wide range of habitats makes it difficult to estimate trends in habitat availability, except in urban habitats, where their main nesting sites – flat graveled roofs – are disappearing.
Coccothraustes vespertinus	Evening Grosbeak	S3B,S3N, S3M	Special Concern	Special Concern	Vulnerable	Evening Grosbeak breeding habitat generally includes open, mature mixedwood forests, where fir species and/or White Spruce are dominant, and Spruce Budworm is abundant. Outside the breeding season, the species seems to depend largely on seed crops from various trees such as firs and spruces in the boreal forest but is also attracted to ornamental trees that produce seeds or fruit, and bird feeders stocked with sunflower seeds.
Coccyzus erythropthalmus	Black-billed Cuckoo	S3B	-	-	-	Black-billed Cuckoos are birds of woodlands and thickets, including aspen, poplar, birch, sugar maple, hickory, hawthorn and willow. They tend to occur more frequently in larger and denser woodlands than the Yellow-billed Cuckoo. On their wintering grounds, they live in forest, woodlands and scrub. A long-distance migrant, going to South America for the winter. Migrates at night; sometimes heard calling in flight overhead at night during the spring. During migration, they seek any kind of dense vegetation cover (e.g., young trees or tall shrubs). Common breeder in Nova Scotia. Breeds mostly in









						PRIORITY SPECIES LIST
						deciduous thickets and shrubby places, often on the edges of woodland or around marshes. Also in second growth of mixed deciduous-coniferous woods, or along their brushy edges. Breeds between April and July (Audubon and The Cornell Lab).
Contopus cooperi	Olive-sided Flycatcher	S3B	Special Concern	Threatened	Threatened	Olive-sided Flycatcher has been widely observed in open coniferous or mixed coniferous forests, often located near water or wetlands with the presence of tall snags or trees from which the species sallies for prey and advertises its territory. Mature conifer stands within patchy landscapes influenced by natural disturbance (e.g., recent burns) support the highest densities of Olive-sided Flycatcher. Nests are generally placed toward the tip of coniferous branches (although other tree types have been used).
Contopus virens	Eastern Wood- Pewee	S3S4B	Special Concern	Special Concern	Vulnerable	The Eastern Wood-pewee is mostly associated with the mid- canopy layer of forest clearings and edges of deciduous and mixed forests. It is most abundant in forest stands of intermediate age and in mature stands with little understory vegetation. During migration, a variety of habitats are used, including forest edges, early and successional clearings.
Coturnicops noveboracensis	Yellow Rail	SUB	Special Concern	Special Concern		Yellow rail is distributed along northern Nova Scotia. Nesting Yellow Rails are typically found in marshes dominated by sedges, true grasses, and rushes, where there is little or no standing water (generally 0-12 cm water dept), and where the substrate remains saturated throughout the summer. They can be found in damp fields and meadows, on the floodplains of rivers and streams, in the herbaceous vegetation of bogs, and at the upper levels (drier margins) of estuarine and salt marshes. Nesting habitats usually have a dry mat of dead vegetation from previous growing seasons. A greater diversity of habitat types is used during migration and winter than
			Special Collectif	Concern	_	during the breeding season. In winter, the rails are known to









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						use coastal wetlands and rice fields. (COSEWIC Assessment and Status Report).
Dolichonyx oryzivorus	Bobolink	S3B				Bobolink has nested in forage crops (e.g., hayfields and pastures dominated by a variety of species, such as clover, Timothy, Kentucky Bluegrass, and broadleaved plants). The Bobolink occurs in various grassland habitats including wet prairie, graminoid peatlands and abandoned fields dominated by tall grasses, remnants of uncultivated virgin prairie (tall-grass prairie), no-till cropland, small-grain fields, restored surface mining sites and irrigated fields in arid regions. It is generally not abundant in short-grass prairie, Alfalfa fields, or in row crop monocultures (e.g., corn, soybean, wheat), although its use of Alfalfa may vary by region.
			Special Concern	Threatened	Vulnerable	
Empidonax traillii	Willow Flycatcher	S2B	-	-	-	Uncommon breeder throughout mainland Nova Scotia, not Cape Breton (MBBA, as of July 2021). In winter, they use shrubby clearings, pastures and woodland edges often near water. Migrates relatively late in spring and early in fall. Breeds in thickets of deciduous trees and shrubs, especially willows, or along woodland edges. Often near streams or marshes and may be found in drier habitats than the Alder Flycatcher. Breeds between April and July (Audubon and The Cornell Lab).
Euphagus carolinus	Rusty Blackbird	S2B	Special Concern	Special Concern	Endangered	Breeding habitat is characterized by coniferous-dominated forests adjacent to wetlands, such as slow-moving streams, peat bogs, sedge meadows, marshes, swamps and beaver ponds. On migration, the Rusty Blackbird is primarily associated with wooded wetlands. In winter, it occurs primarily in lowland forested wetlands, cultivated fields and pecan groves. Suitable habitat for the species appears to be decreasing on its breeding range and wintering grounds, due mainly to the loss and degradation of wetlands by human activities.









					PRIORITY SPECIES LIST
Fulica americana	American Coot	S1B			The American Coot inhabits a wide variety of freshwater wetlands including prairie potholes, coastal bays, ponds, swamps, marshes, suburban parks, sewage ponds and large lakes (the two main features of their habitat include heavy stands of emergent aquatic vegetation along some portion of a shoreline and some depth of standing water within that vegetation). Seasonal wetlands are used during years of high water, while drought years cause breeding to be limited to permanent wetlands. Migrants sometimes are seen out at sea, quite far from land. Breeds between April and July (Audubon and The Cornell Lab).
Falco sparverius	American Kestrel	S3B,S4S5 M	-	-	- Breeds in Nova Scotia but also can be a permanent resident. American Kestrels favor open areas with short ground vegetation and sparse trees (e.g., meadows, wood edges, grasslands, deserts, parks, farm fields, cities and suburbs). When breeding, kestrels need access to at least a few trees or structures that provide appropriate nesting cavities. American Kestrels are attracted to many habitats modified by humans, including pastures and parkland, and are often found near areas of human activity including towns and cities. In winter, females may occupy open habitats more so than males. Breeds between April and July (Audubon and The Cornell Lab).
Gallinago delicata	Wilson's Snipe	S3B,S5M	-	-	Common across Nova Scotia during breeding and also known as a permanent resident in the southern areas of the province. Wilson's Snipes can be found in all types of wet, marshy settings, including wet fields, bogs, fens, swamps, wet meadows and along muddy edges of rivers and ponds. They avoid areas with tall, dense vegetation, but need patches of cover to hide in and to provide a safe lookout for predators. During the breeding season they are mainly found around fresh marshes and bogs, shrubby streamside's and northern tundra. Breeds between April and July (Audubon and The Cornell Lab).









						PRIORITY SPECIES LIST
Gallinula galeata	Common Gallinule	S1B	_	_	-	Common Gallinules use freshwater and brackish marshes, ponds and lakes that have a mix of submerged, floating, and emergent aquatic vegetation and are open water year-round. They also use artificial aquaculture ponds, rice fields, sewage lagoons and urban stormwater retention ponds. May be on more open ponds with less marsh cover or on still, slow-moving waters. Found with American Coot in many places but requires more marsh growth. Breeds between April and July (Audubon and The Cornell Lab).
Haemorhous purpureus	Purple Finch	S3S4N, S4S5B, S5M	-	-	-	Found throughout the entire province year-round. Purple finches can be found in woods, groves, suburbs. Breeds mostly in coniferous and mixed woods, both in forest interior and along edges. In migration and winter, found in a wide variety of wooded and semi-open areas, including forest, suburbs, swamps, and overgrown fields. Breeding occurs from April to July (The Cornell Lab, Audubon)
Hirundo rustica	Barn Swallow	S3B	Special Concern	Threatened	Endangered	Barn Swallows forage over a wide range of open and semi- open habitats including natural and anthropogenic grasslands, other farmland, open wetlands, open water, savannah, tundra, highways and other cleared right-of-ways, and cities and towns. They avoid forested regions and high mountains. Barn Swallows throughout the world have adapted to nesting in or on human structures, including buildings, barns, bridges, culverts, wells and mine shafts. Use of natural nest sites such as caves or rock cliffs with crevices or ledges protected by overhangs is rarely reported. Nocturnal roosts are typically in reed or cane beds or other dense vegetation, usually in or near water.
Icterus galbula	Baltimore Oriole	S2S3B,SU M	-	-	-	Baltimore Orioles are often very common in open woods and groves in summer. Found in open woods, riverside groves, elms, shade trees. Breeds in deciduous or mixed woodland, generally in open woods or edges rather than interior of dense









					PRIORITY SPECIES LIST
					forest. May be common in trees in towns (Audubon). Breeds between April and July (Audubon and The Cornell Lab).
Ixobrychus exilis	Least Bittern	SUB	Threatened	Threatened	The Least bittern has been observed in every Province in Canada. However, it is only probable to be located in Nova Scotia. The Least Bittern breeds strictly in marshes dominated by emergent vegetation surrounded by areas of open water. Most breeding grounds in Canada are dominated by cattails, but breeding also occurs in areas with other robust emergent plants and in shrubby swamps. The presence of stands of dense vegetation is essential for nesting because the nests of Least Bittern sit on platforms of stiff stems. The nests are almost always within 10 m of open water. This small heron prefers large marshes that have relatively stable water levels throughout the nesting period. Needs for wintering habitat are less specific, and appear to be met by a wide variety of wetlands—not only emergent marshes like those used for breeding, but also brackish and saline swamps (Environment Canada Recovery Strategy)
Lanius borealis	Northern Shrike	S3S4N	-	-	They occur in open but brushy habitats, and on calm, sunny days they may sit up on utility wires, bushes, and trees (Cornell Lab). Nests are usually placed in a low tree or large shrub, often in spruce or willow, usually 6-15' above the ground. Breeds between April and July (Audubon and The Cornell Lab).
Limnodromus griseus	Short-billed Dowitcher	S3M	-	-	Common migrant in Nova Scotia that prefers coastal habitats. Migrants are opportunistic in their choice of habitat, turning up in man-made environments such as impoundments, sewage ponds and flooded farm fields as well as in muddy margins of rivers, lakes and bays. Migrants also rest on rocky and sandy shorelines (beaches) and occasionally feed in such places, but they forage mostly where there is a fine muddy bottom covered by a few inches of water (pond edges, mudflats and tidal marshes). Breeds far north, mostly in open bogs, marshes









Limosa haemastica	Hudsonian Godwit	S2S3M	Threatened	-	-	and edges of lakes within coniferous forest zone. Breeds between April and July (Audubon and The Cornell Lab). Hudsonian Godwit occurs regularly during breeding or migration in all three territories and in provinces from British Columbia to Québec, as well as occasionally in the fall in all of the Atlantic provinces. Hudsonian Godwit breeds in wetland habitats (sedge meadows and muskeg) in sub-Arctic and Boreal regions. It uses a wide variety of habitats on migration, including freshwater marshes, saline lakes, flooded fields, shallow ponds, coastal wetlands and mudflats
Loxia curvirostra	Red Crossbill	S3S4	-	-	-	(COSEWIC Assessment and Status Report). Found throughout the entire province year-round. Red Crossbills can be found in conifer forests and groves, and breeds in pines (predominately), spruce, hemlock, Douglas-fir, or other evergreens. Breeding occurs from April to July (The Cornell Lab, Audubon)
Mimus polyglottos	Northern Mockingbird	S1B	-	-	-	Year-round resident throughout Nova Scotia, less common in Cape Breton. Found year-round in areas with open ground and shrubby vegetation (e.g. dense, low shrubs - hedges, fruiting bushes and thickets). When foraging on the ground, it prefers grassy areas, rather than bare spots. Common places include roadsides, parkland, cultivated land, suburban areas, woodland edges and in second-growth habitat at low elevations. Breeds between April and July (Audubon and The Cornell Lab).
Molothrus ater	Brown-headed Cowbird	S2B	-	-	-	Found in farms, fields, prairies, wood edges, river groves. Favors open or semi-open country at all seasons. In winter often concentrates in farmland, pastures, or cattle feedlots. More widespread in breeding season, in grassland, brushy country, forest edges, even desert, but tends to avoid dense unbroken forest. Breeds between April and July, and lays eggs in nests of other birds (Audubon and The Cornell Lab).









					PRIORITY SPECIES LIST
Passerella iliaca	Fox Sparrow	S3S4B, S5M	-	-	Found year round in Cape Breton, and throughout the migration season (late March and early November) in the rest of the province. Migrates at night. Found in wooded areas, undergrowth, brush. Breeds in brushy areas including woodland edges and clearings, streamside thickets, scrubby second growth, stunted coastal forest. Winters in similar habitats, also in brushy fields, chaparral, well-vegetated suburbs, and parks. Breeds from April to July (The Cornell Lab, Audubon)
Passerina cyanea	Indigo Bunting	S1?B,SU M	-	-	This species favors brushy edges rather than unbroken forest. Indigo Buntings breed in brushy and weedy areas. They're common on the edges of woods and fields; along roads, streams, rivers, and powerline cuts; in logged forest plots, brushy canyons, and abandoned fields where shrubby growth is returning. They are also in clearings within deciduous woods, edges of swamps. Breeds between April and July (Audubon and The Cornell Lab).
Perisoreus canadensis	Canada Jay	S3	-	-	Year-round resident throughout Nova Scotia and commonly referred to as the Gray Jay. No regular migration. On rare occasions, small invasions of Canada Jays will move a short distance out of boreal forest in winter. Prefers boreal and subalpine forests across northern North America, usually where black or white spruce trees are common (also aspen, white birch, balsam fir, sugar maple, jack pine, red spruce, eastern white cedar, etc.). Found in various kinds of coniferous and mixed forest, but rarely occurs where there are no spruce trees. Mated pairs stay together all year and defend permanent territories. Breeding and nesting for this species begins very early, during late winter, with breeding grounds still snow-covered. Breeds until, approximately, July (Audubon and The Cornell Lab).









					PRIORITY SPECIES LIST
Petrochelidon pyrrhonota	Cliff Swallow	S2S3B	-	-	Breeds throughout Nova Scotia. A long-distance migrant that migrates in flocks, traveling by day. Typically nests in colonies, sometimes with hundreds of nests crowded close together. These colonies are close to a water source, open fields or pastures for foraging, and a source of mud for nest building. Nest site is usually on vertical surface with some overhead shelter. Natural sites were on cliffs. Most sites today are on the sides of buildings, under bridges, in culverts or similar places. They now live in grasslands, towns, broken forest and river edges, but avoid heavy forest and deserts (e.g. open to semi-open land, farms, river bluffs and lakes). Still unaccountably scarce or missing in some seemingly suitable areas. Breeds between April and July (Audubon and The Cornell Lab).
Pheucticus ludovicianus	Rose-breasted Grosbeak	S3B	-	-	- Look for these birds in forest edges and woodlands. Rose-breasted Grosbeaks breed in moist deciduous forests, deciduous-coniferous forests, thickets, and semi open habitats. They gravitate toward second-growth woods, suburban areas, parks, gardens, and orchards, as well as shrubby forest edges next to streams, ponds, marshes, roads, or pastures. They favor edges or openings with combination of shrubs and tall trees, rather than unbroken forest. Breeds from April to July (The Cornell Lab, Audubon)
Picoides arcticus	Black-backed Woodpecker	S3S4	-	-	- Known throughout Nova Scotia year-round. Not strictly migratory but may move around in response to changing conditions (e.g. destruction of habitat). Eastern birds occasionally stage southward irruptions in winter, with scattered individuals showing up well south of breeding range. Habitat includes boreal forests of firs and spruces (pine, Douglas-fir, hemlock, tamarack and spruce, especially spruce bogs). Favors areas of dead or dying trees (coniferous and deciduous) and may concentrate at burned or flooded areas with many standing dead trees. Frequents lowlands in the



Pinicola enucleator	Pine Grosbeak	S3B, S5N, S5M	_	_	-	PRIORITY SPECIES LIST North and mountains in the West. Breeds between April and July (Audubon and The Cornell Lab). Found throughout the province year-round. Pine grosbeaks can be found in conifers; in winter, other trees. Breeds in open coniferous forest, especially of spruce and fir. In winter often found in deciduous trees (especially fruiting trees), also in
						groves of pines and other conifers. Breeding occurs from April to July (The Cornell Lab, Audubon).
Piranga olivacea	Scarlet Tanager	S2B, SUM	-	-	-	These birds can be found in oak forests in summer, but they often remain out of sight as they forage in the leafy upper branches. Nest site is in tree (usually deciduous), typically 20-30' above ground. Found in forests and shade trees (especially oaks). Breeds mostly in deciduous forest, predominately oaks but also in maple, beech, mixed pine-oak woods, and coniferous woods dominated by pine or hemlock. Breeding Scarlet Tanagers prefer large forest tracts with large trees. During spring and fall they use similar forest habitats as well as open spaces such as parks and gardens. Breeds between April and July (The Cornell Lab, Audubon)
Poecile hudsonicus	Boreal Chickadee	S3	-	-	-	Year-round resident throughout Nova Scotia. Occasional small southward invasions in fall, with a few appearing south of breeding range (similar to Black-capped Chickadees invasions). Boreal Chickadees inhabit mostly mature coniferous forests (sometimes mixed forests), usually spruce and balsam fir, often near water. During late fall and winter irruptions, they tend to be found mostly in areas dominated by coniferous trees. Occurs in low stunted spruces as far North as treeline (e.g. spruce bogs). May mate for life, the birds remaining together all year. Nests in a hole in a tree, either a natural cavity or one they created (or from another species). Breeds between April and July (Audubon and The Cornell Lab).



						PRIORITY SPECIES LIST
Pooecetes gramineus	Vesper Sparrow	S1S2B, SUM	-	-	-	Vesper Sparrows breed in open areas with short, sparse grass, areas where there are a few taller plants for use as song perches, and scattered shrubs including, old fields, pastures, weedy fencelines and roadsides, hayfields, and native grasslands. Can be found in meadows, fields, prairies, roadsides, open grassy or weedy fields. May be in weedy roadsides, gravel pits, stubble fields, grassy areas just above sandy beaches. Breeds from April to July (The Cornell Lab, Audubon).
Rallus limicola	Virginia Rail	S2S3B	-	-	-	Breeds across Nova Scotia, but more common in the northern region. Nests in a variety of marshy situations, mostly fresh, but also brackish marshes near the coast. Where this species and Sora breed in same marshes, Virginia Rail typically nests in drier spots. Often moves into salt marshes in winter. During migration, sometimes found in odd spots, even city streets. Virginia Rails occupy shallow (sometimes deeper) freshwater wetlands with tall stands of cattails and rushes (need areas with standing water typically less than 6 inches deep with a muddy bottom). They are most common in wetlands with 40–70% coverage of tall emergent vegetation, mixed with open water, mudflats and areas with matted vegetation. During the nonbreeding season, Virginia Rails use similar habitat, but may venture into more open areas. Breeds between April and July (Audubon and The Cornell Lab).
Riparia riparia	Bank Swallow	S2B	Threatened	Threatened	-	As with other swallow species, migratory stopover points are usually centred on large marshes where birds roost at night and disperse to forage throughout the day. There is little information available for Bank Swallows in terms of the importance of area requirements of these disparate habitats and their proximity to each other.
Setophaga castanea	Bay-breasted Warbler	S3S4B,S4 S5M	-	-	-	Bay-breasted warblers are found in woodlands and conifers in summer. Usually breeds in northern coniferous forest, in thick









Setophaga pinus	Pine Warbler	S2S3B,S4	-	-	_	stands of spruce and fir. They are predators of spruce budworm and are abundant in spruce forests during outbreaks. Where spruce is not found, will nest in deciduous or mixed second-growth woods of birches, maples, firs, and pines. Breed from April to July, typically in the latter half of the breeding window (The Cornell Lab, Audubon) Pine Warblers live in pine or mixed pine-deciduous forest.
1 6.7		S5M				Also sometimes in cedar or cypress. Various spottings throughout Nova Scotia, generally in the southern portion of the province. Breeds April to July (The Cornell Lab, Audubon)
Setophaga striata	Blackpoll Warbler	S3B,S5M	-	-	-	The blackpoll warbler can be found in conifers; broadleaf trees in migration. Breeds in low northern spruce forest. In migration, moves through forests, parks and gardens, they stop over in scrubby thickets and mature evergreen and deciduous forests. Found in the southern half of Nova Scotia during migration and the northern half during the breeding season. Breeding occurs from April to July (The Cornell Lab, Audubon).
Setophaga tigrina	Cape May Warbler	S3B,SUM	-	-	-	The Cape May Warbler can be found in spruce forest; other trees in migration. Breeds in spruce forest, especially during spruce budworm outbreaks, either in pure stands or mixed with firs or other trees, generally in more open woods or near the forest edge. During migration often favors conifers, but also forages in deciduous trees and thickets. Breeding occurs from April to July (The Cornell Lab, Audubon)
Spinus pinus	Pine Siskin	S3	-	-	-	Found throughout the province year-round. Pine Siskins can be found in conifers, mixed woods, alders, weedy areas. Breeds mostly in coniferous and mixed woods, often around edges or clearings; sometimes in deciduous woods, isolated conifer groves. In migration and winter, many kinds of semi-open areas, woodland edges, weedy fields. Breeding occurs from April to July (The Cornell Lab, Audubon)









					PRIORITY SPECIES LIST
Toxostoma rufum	Brown Thrasher	S1B	-	-	- Not common and rarely seen in Nova Scotia, with no recorded sightings in Cape Breton (MBBA, as of July 2021). In eastern North America, Brown Thrashers nest in thickets, brush, shrubbery, hedgerows, forest edges and overgrown clearings in deciduous forest. On rare occasions they breed in backyards and gardens with shrubs and hedges (but in general - areas of dense low growth, especially thickets around edges of deciduous or mixed woods, shrubby edges of swamps or undergrowth in open pine woods). Breeds between April and July (Audubon and The Cornell Lab).
Tringa solitaria	Solitary Sandpiper	S3S4M, SUB	-	-	Common migrant in Nova Scotia. A long-distance migrant that mostly migrates alone and at night. They are rarely seen on mudflats or saltmarshes with other shorebirds and will frequent areas with little water in almost any setting, from inner city to forest interior (e.g. fields, ditches, swamps, wooded wetlands at higher elevation, etc.). This bird often stops at lakes, ponds, or streams similar to their nesting habitat (areas with bog habitat and spruce trees), especially where there are extensive muddy margins. Breeds between April and July (Audubon and The Cornell Lab).
Turdus migratorius	American Robin	S3N, S5B	-	-	- Common in most of Nova Scotia as a year-round resident and for breeding in the very Northern part of the province (mainly Cape Breton). This species occupies many habitat types, such as lawns, farmland, fields, and city parks, as well as in more wild places like woodlands, forests, mountains up to near tree line, recently burned forests and tundra. During winter many robins move to moist woods where berry-producing trees and shrubs are common. Males arrive first in the breeding season. Nests where there are trees and mud for nest-making material. Breeds between April and July (Audubon and The Cornell Lab).
Tyrannus tyrannus	Eastern Kingbird	S3B	-	-	- Common breeder throughout Nova Scotia. A long-distance migrant that uses many habitats and migrates in flocks. Unlike many of the migratory songbirds, kingbirds may travel mostly







						PRIORITY SPECIES LIST
						by day. The Eastern Kingbird usually breeds in fields with scattered shrubs and trees, in orchards and along forest edges (also clearings, roadsides, parks, newly burned forest, beaver ponds, golf courses and urban environments with tall trees and scattered open spaces). It is drawn to water, often nesting densely in trees that overhang rivers or lakes. In summer, requires open space for hunting. Often common around edges of marshes, farmland and native tallgrass prairie. Breeds between April and July (Audubon and The Cornell Lab).
Vireo gilvus	Warbling Vireo	S1B,SUM	-	-	-	Occurs in deciduous and mixed woods, aspen groves, poplars, shade trees. Breeds in open deciduous or mixed woodland; also in orchards, shade trees of towns (Audubon). They stay high in deciduous treetops (Cornell Lab). Breeds between April and July (Audubon and The Cornell Lab).
Vireo philadelphicus	Philadelphia Vireo	S2?B,SU M	-	-	-	Occurs in second growth; poplars, willows, alders. Breeds in deciduous and mixed woodlands, especially near their edges, or in the young growth of overgrown pastures. Also nests in willows and alders along streams, lakes, and ponds. Breeds between April and July (Audubon).
				INVERTEBI	RATE	
Bombus bohemicus	Ashton Cuckoo Bumble Bee	S1	Endangered	Endangered	Endangered	Currently, nothing is known about the mating and overwintering habitat requirements for the Gypsy Cuckoo Bumble Bee. Overwintering habitat for bumble bees in Ontario may include rotting logs, leaf litter and mulch, burrows in soil, and garden compost. Forage habitat includes the plant species mentioned below as well as other flowering plants which bloom from early spring (e.g., Willow) to late autumn (e.g., Goldenrod). Forage habitat occurs in old fields, grasslands, dunes, alvars, woodlands (especially in the spring) and road sides.
Bombus suckleyi	Suckley's Cuckoo Bumble Bee	SH	Threatened	Not on Schedule 1	-	Suckley's Cuckoo Bumble Bee occurs in most Canadian ecozone including the Atlantic Maritimes. Suckley's Cuckoo Bumble Bee occurs in diverse habitats including open









						PRIORITY SPECIES LIST
						meadows and prairies, farms and croplands, urban areas,
						boreal forest, and montane meadows. Records are from sea
						level to 1200 m although the species could potentially occur at
						higher elevations where its host(s) occur. In the early spring,
						hosts typically establish nests in abandoned underground
						rodent burrows or other dry natural hollows; because
						Suckley's Cuckoo Bumble Bee is a nest parasite these same
						host residence sites also serve as its habitat. Adults have been
						recorded feeding on pollen and nectar from many flowers
						(COSEWIC Assessment and Status Report).
Bombus	Yellow-banded	S3				Habitat generalist within open coniferous, deciduous and
terricola	Bumble Bee	33				mixed-wood forests, wet and dry meadows and prairie
ierricoia	Bulliole Bee					grasslands, meadows bordering riparian zones, and along
				Special		roadsides, urban parks, gardens and agricultural areas,
			Special Concern	Concern	Vulnerable	subalpine habitats and more isolated natural areas.
			Special Concern	Concern	Vamerable	subalpine natitats and more isolated natural areas.
Coccinella	Transverse Lady	SH				The Transverse Lady Beetle is reported to be a habitat
transversoguttat	Beetle					generalist occurring within agricultural areas, suburban
a						gardens, parks, coniferous forests, deciduous forests,
				Special		prairie grasslands, meadows, sand dune edges and riparian
			Special Concern	Concern	Endangered	areas.
Danaus	Monarch	S2?B,S3				The breeding habitat of the Eastern and Western populations
plexippus		M				in Canada is confined to where milkweeds grow, since leaves
						of these plants are the sole food of the caterpillars. The
						different species of milkweeds grow in a variety of
						environments, including meadows in farmlands, along
						roadsides and in ditches, open wetlands, dry sandy areas, short
						and tall grass prairie, riverbanks, irrigation ditches, arid
						valleys, and south-facing hillsides. Milkweeds are also often
						planted in gardens. The Monarch is known to breed on native
						milkweeds within their natural ranges. The most commonly
				Special		used other sources of nectar are goldenrods (Solidago spp.),
				_		asters (Doellingeria, Eurybia, Oclemena, Symphyotrichum
			Endangered	Concern	Endangered	and Virgulus), the introduced Purple Loosestrife (Lythrum



		salicaria), and various clovers (Trifolium spp. and Melilotus
		spp.)



APPENDIX C. ACCDC REPORT



DATA REPORT 7620: Six Mile Brook, NS

Prepared 7 March 2023 by J. Pender, Conservation Data Analyst

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- 4.2 Flora
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5.0 Rare Species within 100 km

5.1 Source Bibliography



Map 1. A 100 km buffer around the study area

1.0 PREFACE

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

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

1.1 DATA LIST

Included datasets:

<u>Filename</u>	<u>Contents</u>
SixMileBkNS_7620ob.xls	Rare or legally-protected Flora and Fauna in your study area
SixMileBkNS_7620ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
SixMileBkNS 7620msa.xls	Managed and Biologically Significant Areas in your study area

Central: Kimberly George

Kimberly.George@novascotia.ca

(902) 890-1046

1.2 RESTRICTIONS

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

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

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

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

Plants, Lichens, Ranking Methods, All other Inquiries

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

Data Management, GIS

James Churchill Conservation Data Analyst / Field Biologist (902) 679-6146 james.churchill@accdc.ca Animals (Fauna)
John Klymko
Zoologist
(506) 364-2660

john.klymko@accdc.ca

BillingJean Breau

Financial Manager / Executive Assistant

(506) 364-2657 jean.breau@accdc.ca

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

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

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

Western: Emma Vost (902) 670-8187

Emma.Vost@novascotia.ca

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Central: Shavonne Meyer

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Eastern: Elizabeth Walsh

(902) 563-3370

Elizabeth.Walsh@novascotia.ca

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

2.0 RARE AND ENDANGERED SPECIES

2.1 FLORA

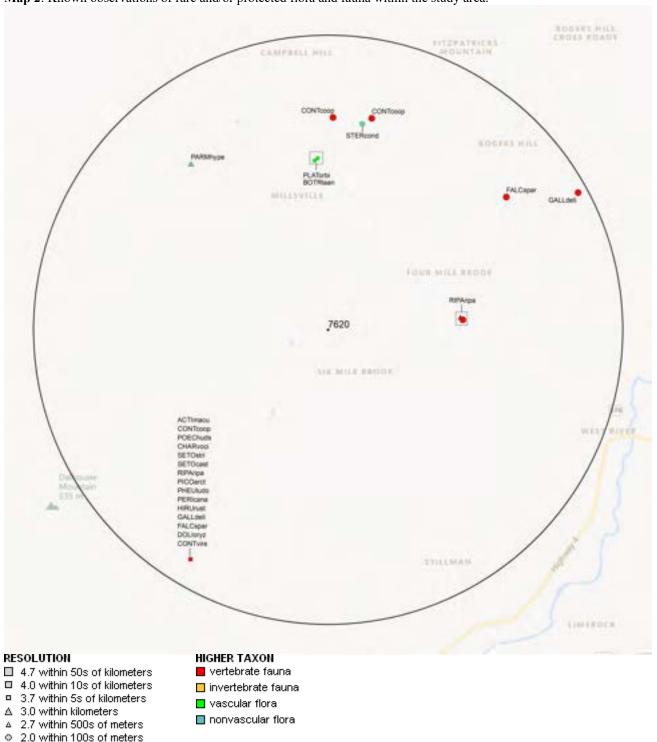
The study area contains 2 records of 2 vascular and 2 records of 2 nonvascular flora (Map 2 and attached: *ob.xls), excluding 'location-sensitive' species.

2.2 FAUNA

1.7 within 10s of meters

The study area contains 24 records of 15 vertebrate and no records of invertebrate fauna (Map 2 and attached data files - see 1.1 Data List), excluding 'location-sensitive' species. Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

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



3.0 SPECIAL AREAS

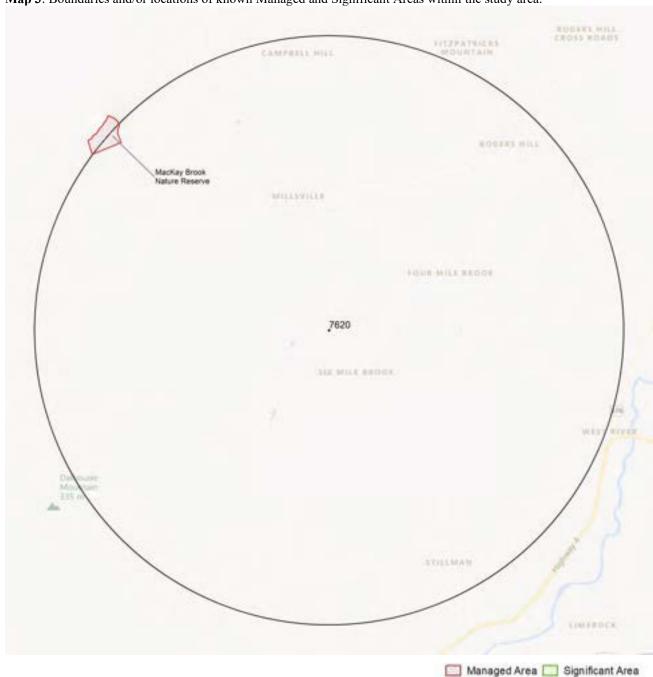
3.1 MANAGED AREAS

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

3.2 SIGNIFICANT AREAS

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

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



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4.0 RARE SPECIES LISTS

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

4.1 FLORA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
Ν	Stereocaulon condensatum	Granular Soil Foam Lichen				S2S3	1	3.5 ± 0.0
Ν	Parmeliopsis hyperopta	Gray Starburst Lichen				S3S4	1	3.7 ± 1.0
Ρ	Botrychium lanceolatum ssp. angustisegmentum	Narrow Triangle Moonwort				S2S3	1	2.9 ± 0.0
Ρ	Platanthera orbiculata	Small Round-leaved Orchid				S3S4	1	2.9 ± 0.0

4.2 FAUNA

7.4	TAUNA							
	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
Α	Riparia riparia	Bank Swallow	Threatened	Threatened	Endangered	S2B	3	2.3 ± 0.0
Α	Hirundo rustica	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1	4.5 ± 7.0
Α	Contopus cooperi	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B	3	3.6 ± 0.0
Α	Dolichonyx oryzivorus	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1	4.5 ± 7.0
Α	Contopus virens	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	2	4.5 ± 7.0
Α	Perisoreus canadensis	Canada Jay				S3	1	4.5 ± 7.0
Α	Poecile hudsonicus	Boreal Chickadee				S3	2	4.5 ± 7.0
Α	Charadrius vociferus	Killdeer				S3B	1	4.5 ± 7.0
Α	Pheucticus Iudovicianus	Rose-breasted Grosbeak				S3B	1	4.5 ± 7.0
Α	Falco sparverius	American Kestrel				S3B,S4S5M	2	3.8 ± 0.0
Α	Gallinago delicata	Wilson's Snipe				S3B,S5M	2	4.5 ± 7.0
Α	Setophaga striata	Blackpoll Warbler				S3B,S5M	1	4.5 ± 7.0
Α	Picoides arcticus	Black-backed Woodpecker				S3S4	1	4.5 ± 7.0
Α	Setophaga castanea	Bay-breasted Warbler				S3S4B,S4S5M	2	4.5 ± 7.0
Α	Actitis macularius	Spotted Sandpiper				S3S4B,S5M	1	4.5 ± 7.0

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4.3 LOCATION SENSITIVE SPECIES

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

Nova Scotia

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

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

4.4 SOURCE BIBLIOGRAPHY

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

recs	CITATION

- Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
- 4 Blaney, C.S.; Spicer, C.D.; Mazerolle, D.M. 2005. Fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
- 2 eBird. 2020. eBird Basic Dataset. Version: EBD_relNov-2019. Ithaca, New York. Nov 2019, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology.
- Canadian Wildlife Service. 2019. Canadian Protected and Conserved Areas Database (CPCAD). December 2019. ECCC.https://www.canada.ca/en/environment-climate-change/services/national-wildlife-
- areas/protected-conserved-areas-database.html.
- 1 Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
- 1 Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.

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5.0 RARE SPECIES WITHIN 100 KM

Tavonomic

A 100 km buffer around the study area contains 48611 records of 135 vertebrate and 1032 records of 60 invertebrate fauna; 6009 records of 257 vascular and 2571 records of 137 nonvascular flora (attached: *ob100km.xls).

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

Taxonomic									
Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
Α	Myotis lucifugus	Little Brown Myotis	Endangered	Endangered	Endangered	S1	95	9.6 ± 0.0	NS
Α	Myotis septentrionalis	Northern Myotis	Endangered	Endangered	Endangered	S1	90	52.1 ± 1.0	PE
Α	Perimyotis subflavus	Tricolored Bat	Endangered	Endangered	Endangered	S1	5	61.0 ± 5.0	NS
Α	Salmo salar pop. 1	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	22	21.3 ± 0.0	NS
Α	Salmo salar pop. 6	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	31	37.2 ± 0.0	NS
Α	Charadrius melodus melodus	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	2603	18.1 ± 0.0	NS
Α	Sterna dougallii	Roseate Tern	Endangered	Endangered	Endangered	S1B	22	87.0 ± 0.0	NS
Α	Morone saxatilis pop. 2	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	2	77.6 ± 0.0	NS
Α	Catharus bicknelli	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	1	80.8 ± 7.0	NS
Α	Asio flammeus	Short-eared Owl	Threatened	Special Concern		S1B	9	18.1 ± 7.0	NS
Α	Glyptemys insculpta	Wood Turtle	Threatened	Threatened	Threatened	S2	4461	9.5 ± 5.0	NS
Α	Riparia riparia	Bank Swallow	Threatened	Threatened	Endangered	S2B	2461	2.3 ± 0.0	NS
Α	Chaetura pelagica	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	639	9.8 ± 7.0	NS
Α	Limosa haemastica	Hudsonian Godwit	Threatened			S2S3M	370	43.8 ± 0.0	NS
Α	Acipenser oxyrinchus	Atlantic Sturgeon	Threatened			S2S3N	2	64.5 ± 0.0	NS
Α	Hydrobates leucorhous	Leach's Storm-Petrel	Threatened			S3B	44	87.9 ± 7.0	NS
Α	Tringa flavipes	Lesser Yellowlegs	Threatened			S3M	1427	15.6 ± 0.0	NS
Α	Anguilla rostrata	American Eel	Threatened			S3N	67	35.5 ± 0.0	NS
Α	Hylocichla mustelina	Wood Thrush Atlantic Salmon - Gaspe -	Threatened	Threatened		SUB	36	9.8 ± 0.0	NS NS
Α	Salmo salar pop. 12	Southern Gulf of St. Lawrence population	Special Concern			S1	47	5.6 ± 0.0	
Α	Antrostomus vociferus Passerculus sandwichensis	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	7	67.7 ± 7.0	NS NS
A	princeps	Ipswich Sparrow	Special Concern	Special Concern		S1B	1	91.9 ± 0.0	
A	Bucephala islandica	Barrow's Goldeneye	Special Concern	Special Concern		S1N,SUM	13	20.6 ± 0.0	NS
A	Euphagus carolinus	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	269	12.9 ± 7.0	NS
Α	Phalaropus lobatus	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	11	55.0 ± 0.0	NS
Α	Morone saxatilis pop. 1	Striped Bass - Southern Gulf of St. Lawrence population	Special Concern			S2S3N	1	77.0 ± 1.0	NS
Α	Histrionicus histrionicus pop. 1	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2S3N,SUM	24	58.7 ± 0.0	PE
Α	Chelydra serpentina	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	79	10.3 ± 0.0	NS
Α	Hirundo rustica	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1552	4.5 ± 7.0	NS
Α	Cardellina canadensis	Canada Warbler	Special Concern	Threatened	Endangered	S3B	1095	6.5 ± 7.0	NS
Α	Chordeiles minor	Common Nighthawk	Special Concern	Threatened	Threatened	S3B	374	6.5 ± 7.0	NS
Α	Contopus cooperi	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B	1249	3.6 ± 0.0	NS
Α	Dolichonyx oryzivorus	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1331	4.5 ± 7.0	NS
Α	Coccothraustes vespertinus	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	779	6.5 ± 7.0	NS
Α	Podiceps auritus	Horned Grebe	Special Concern	Special Concern		S3N,SUM	9	79.5 ± 0.0	NS
Α	Contopus virens	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	1254	4.5 ± 7.0	NS

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Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
Α	Phocoena phocoena	Harbour Porpoise	Special Concern			S4	1	88.8 ± 5.0	PE
Α	Chrysemys picta picta	Eastern Painted Turtle	Special Concern	Special Concern		S4	61	19.0 ± 1.0	NS
Α	Accipiter cooperii	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	2	8.6 ± 7.0	NS
Α	Fulica americana	American Coot	Not At Risk			S1B	17	14.1 ± 7.0	NS
Α	Chlidonias niger	Black Tern	Not At Risk			S1B	1	90.0 ± 0.0	NS
Α	Falco peregrinus pop. 1	Peregrine Falcon - anatum/tundrius	Not At Risk	Special Concern	Vulnerable	S1B,SUM	25	65.9 ± 0.0	PE
Α	Sorex dispar	Long-tailed Shrew	Not At Risk			S2	1	65.2 ± 0.0	NS
Α	Aegolius funereus	Boreal Owl	Not At Risk			S2?B,SUM	14	12.6 ± 0.0	NS
Α	Globicephala melas	Long-finned Pilot Whale	Not At Risk			S2S3	1	66.4 ± 100.0	NS
Α	Hemidactylium scutatum	Four-toed Salamander	Not At Risk			S3	8	30.2 ± 0.0	NS
Α	Sterna hirundo	Common Tern	Not At Risk			S3B	489	9.8 ± 7.0	NS
Α	Sialia sialis	Eastern Bluebird	Not At Risk			S3B	62	13.6 ± 0.0	NS
Α	Buteo lagopus	Rough-legged Hawk	Not At Risk			S3N	4	60.7 ± 0.0	PE
Α	Accipiter gentilis	Northern Goshawk	Not At Risk			S3S4	139	8.6 ± 7.0	NS
Α	Lagenorhynchus acutus	Atlantic White-sided Dolphin	Not At Risk			S3S4	3	65.1 ± 0.0	NS
A	Ammospiza nelsoni	Nelson's Sparrow	Not At Risk			S3S4B	284	17.8 ± 7.0	NS
A	Calidris canutus rufa	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	477	15.6 ± 0.0	NS
A	Morone saxatilis	Striped Bass	E,SC	Litatingoroa	Litatingcica	S2S3B,S2S3N	4	58.4 ± 1.0	NS
A	Alces alces americana	Moose	۵,00		Endangered	S1	133	5.8 ± 0.0	NS
A	Picoides dorsalis	American Three-toed			Lildarigered	S1?	8	72.0 ± 7.0	NS
A	Passerina cyanea	Woodpecker Indigo Bunting				S1?B,SUM	16	42.8 ± 0.0	NS
Ä	Nycticorax nycticorax	Black-crowned Night-heron				S1B	10	79.3 ± 7.0	NS
Ä		Ruddy Duck				S1B	12	67.8 ± 7.0	NS
Ä	Oxyura jamaicensis	Common Gallinule				S1B	12	13.8 ± 7.0	NS
A	Gallinula galeata	Great Crested Flycatcher				S1B S1B	15	13.6 ± 7.0 8.6 ± 7.0	NS NS
	Myiarchus crinitus					S1B S1B	15		NB
A	Cistothorus palustris	Marsh Wren						89.5 ± 3.0	
A	Mimus polyglottos	Northern Mockingbird				S1B	38	18.1 ± 7.0	NS
A	Toxostoma rufum	Brown Thrasher				S1B	10	18.1 ± 7.0	NS
A	Charadrius semipalmatus	Semipalmated Plover				S1B,S4M	1723	16.0 ± 0.0	NS
A	Calidris minutilla	Least Sandpiper				S1B,S4M	1063	15.6 ± 0.0	NS
Α	Anas acuta	Northern Pintail				S1B,SUM	60	34.5 ± 0.0	NS
A	Vireo gilvus	Warbling Vireo				S1B,SUM	20	20.3 ± 7.0	NS
Α	Vespertilionidae sp.	bat species				S1S2	77	5.6 ± 0.0	NS
Α	Pooecetes gramineus	Vesper Sparrow				S1S2B,SUM	57	12.9 ± 7.0	NS
Α	Vireo philadelphicus	Philadelphia Vireo				S2?B,SUM	83	23.3 ± 0.0	NS
Α	Fratercula arctica	Atlantic Puffin				S2B	3	87.5 ± 0.0	NB
Α	Empidonax traillii	Willow Flycatcher				S2B	19	23.2 ± 7.0	NS
Α	Molothrus ater	Brown-headed Cowbird				S2B	183	6.5 ± 7.0	NS
Α	Spatula clypeata	Northern Shoveler				S2B,SUM	32	54.8 ± 7.0	NS
Α	Mareca strepera	Gadwall				S2B,SUM	78	33.4 ± 0.0	NS
Α	Piranga olivacea	Scarlet Tanager				S2B,SUM	14	9.8 ± 7.0	NS
Α	Calidris alba	Sanderling				S2N,S3M	937	18.1 ± 0.0	NS
Α	Asio otus	Long-eared Owl				S2S3	34	23.7 ± 0.0	NS
A	Rallus limicola	Virginia Rail				S2S3B	51	20.3 ± 7.0	NS
A	Rissa tridactyla	Black-legged Kittiwake				S2S3B	1	30.7 ± 0.0	NS
A	Petrochelidon pyrrhonota	Cliff Swallow				S2S3B	319	8.6 ± 7.0	NS
A	Phalacrocorax carbo	Great Cormorant				S2S3B,S2S3N	215	36.9 ± 7.0	PE
A	Cathartes aura	Turkey Vulture				S2S3B,S4S5M	8	68.0 ± 0.0	PE
Ä	Setophaga pinus	Pine Warbler				S2S3B,S4S5M	15	8.6 ± 7.0	NS
Ä	Bucephala clangula	Common Goldeneye				S2S3B,S5N,S5M	173	15.8 ± 13.0	NS
A	lcterus galbula	Baltimore Oriole				S2S3B,SUM	61	9.8 ± 7.0	NS
Α	Pluvialis dominica	American Golden-Plover				S2S3M	163	16.0 ± 0.0	NS NS
Α	Numenius phaeopus hudsonicus	Whimbrel				S2S3M	211	22.1 ± 0.0	NS
Α	Perisoreus canadensis	Canada Jay				S3	583	4.5 ± 7.0	NS
Α	Poecile hudsonicus	Boreal Chickadee				S3	946	4.5 ± 7.0	NS

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A	Spinus pinus	Pine Siskin				S3	531	6.5 ± 7.0	NS
A	Salvelinus fontinalis	Brook Trout				S3	66	5.6 ± 0.0	NS
A	Salvelinus namaycush	Lake Trout				S3	2	47.5 ± 0.0	NS
A	Pekania pennanti	Fisher				S3	6	17.3 ± 0.0	NS
A	Calcarius Iapponicus	Lapland Longspur				S3?N,SUM	3	79.4 ± 0.0	NS
A	Spatula discors	Blue-winged Teal				S3B	321	6.5 ± 7.0	NS
A	Charadrius vociferus	Killdeer				S3B	752	4.5 ± 7.0	NS
A	Tringa semipalmata	Willet				S3B	1960	9.8 ± 7.0	NS
A	Sterna paradisaea	Arctic Tern				S3B	51	72.8 ± 7.0	NS
A	Coccyzus erythropthalmus	Black-billed Cuckoo				S3B	129	8.6 ± 7.0	NS
A	Tyrannus tyrannus	Eastern Kingbird				S3B	365	6.5 ± 7.0	NS
A	Pheucticus Iudovicianus	Rose-breasted Grosbeak				S3B	835	4.5 ± 7.0	NS
A	Alosa pseudoharengus	Alewife				S3B	24	5.6 ± 0.0	NS
A	Somateria mollissima	Common Eider				S3B,S3M,S3N	341	27.9 ± 11.0	NS
A	Tringa melanoleuca	Greater Yellowlegs				S3B,S4M	2368	15.6 ± 0.0	NS
A	Falco sparverius	American Kestrel				S3B,S4S5M	560	3.8 ± 0.0	NS
A	Gallinago delicata	Wilson's Snipe				S3B,S5M	1050	4.5 ± 7.0	NS
A	Setophaga striata	Blackpoll Warbler				S3B,S5M	101	4.5 ± 7.0	NS
A	Cardellina pusilla	Wilson's Warbler				S3B,S5M	101	16.3 ± 7.0	NS
A	Pinicola enucleator	Pine Grosbeak				S3B,S5N,S5M	117	9.8 ± 7.0	NS
A	Setophaga tigrina	Cape May Warbler Brant				S3B,SUM	320 8	6.5 ± 7.0	NS NS
A	Branta bernicla	Black-bellied Plover				S3M S3M	8 2032	77.7 ± 0.0 18.1 ± 0.0	NS NS
A A	Pluvialis squatarola Arenaria interpres	Ruddy Turnstone				S3M	2032 872	18.1 ± 0.0	NS
A	Calidris pusilla	Semipalmated Sandpiper				S3M	1685	16.0 ± 0.0	NS NS
A	Calidris pusilia Calidris melanotos	Pectoral Sandpiper				S3M	173	18.1 ± 0.0	NS NS
A	Limnodromus griseus	Short-billed Dowitcher				S3M	1023	18.1 ± 0.0	NS
Ä	Chroicocephalus ridibundus	Black-headed Gull				S3N	15	72.2 ± 0.0	NS
A	Picoides arcticus	Black-backed Woodpecker				S3S4	183	4.5 ± 7.0	NS
A	Loxia curvirostra	Red Crossbill				S3S4	153	6.5 ± 7.0	NS
Ä	Sorex palustris	American Water Shrew				S3S4	6	63.8 ± 0.0	PE
A	Botaurus lentiginosus	American Bittern				S3S4B,S4S5M	474	6.5 ± 7.0	NS
A	Setophaga castanea	Bay-breasted Warbler				S3S4B.S4S5M	672	4.5 ± 7.0	NS
A	Actitis macularius	Spotted Sandpiper				S3S4B,S5M	895	4.5 ± 7.0	NS
A	Leiothlypis peregrina	Tennessee Warbler				S3S4B,S5M	690	6.5 ± 7.0	NS
A	Passerella iliaca	Fox Sparrow				S3S4B,S5M	73	19.1 ± 0.0	NS
Α	Mergus serrator	Red-breasted Merganser				S3S4B,S5M,S5N	104	9.8 ± 7.0	NS
A	Calidris maritima	Purple Sandpiper				S3S4N	30	22.1 ± 0.0	NS
A	Lanius borealis	Northern Shrike				S3S4N	4	74.8 ± 0.0	PE
A	Morus bassanus	Northern Gannet				SHB	43	26.0 ± 4.0	NS
Α	Aythya americana	Redhead				SHB	3	96.8 ± 0.0	PE
Α	Leucophaeus atricilla	Laughing Gull				SHB	4	90.2 ± 0.0	NS
Α	Progne subis	Purple Martin				SHB	8	74.1 ± 7.0	NS
Α	Eremophila alpestris	Horned Lark				SHB,S4S5N,S5M	8	56.6 ± 7.0	PE
I	Bombus bohemicus	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	32	31.5 ± 5.0	NS
I	Danaus plexippus	Monarch	Endangered	Special Concern	Endangered	S2?B,S3M	114	5.4 ± 0.0	NS
1	Barnea truncata	Atlantic Mud-piddock	Threatened	Threatened	· ·	S1	1	71.8 ± 1.0	NS
I	Bombus suckleyi	Suckley's Cuckoo Bumble Bee	Threatened			SH	1	38.7 ± 5.0	NS
1	Alasmidonta varicosa	Brook Floater	Special Concern	Special Concern	Threatened	S3	16	45.3 ± 0.0	NS
! !	Bombus terricola	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	116	45.3 ± 0.0 10.3 ± 5.0	NS NS
' I	Coccinella transversoguttata	Transverse Lady Beetle	Special Concern	Special Concern	Endangered	SH	7	7.6 ± 2.0	NS
I	richardsoni Gomphurus ventricosus	Skillet Clubtail	Special Concern	Endangered		SH	1	88.5 ± 0.0	NS
i	Erora laeta	Early Hairstreak	Opediai Concern	Lilualiyeleu		S1	1	76.2 ± 0.0	PE
i	Atlanticoncha ochracea	Tidewater Mucket				S1	1	96.8 ± 0.0	NS
!		Satyr Comma				S1?	16	34.4 ± 5.0	NS
1	Polygonia satyrus								

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Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	Boloria chariclea	Arctic Fritillary				S1S2	1	33.6 ± 2.0	NS
1	Tharsalea dospassosi	Maritime Copper				S2	76	18.6 ± 1.0	NS
1	Satyrium acadica	Acadian Hairstreak				S2	15	16.7 ± 2.0	NS
I	Neurocordulia michaeli	Broad-tailed Shadowdragon				S2	26	42.4 ± 0.0	NS
1	Coenagrion resolutum	Taiga Bluet				S2	50	49.3 ± 1.0	PE
I	Margaritifera margaritifera	Eastern Pearlshell				S2	154	5.8 ± 0.0	NS
1	Pantala hymenaea	Spot-Winged Glider				S2?B	1	77.3 ± 1.0	NS
1	Nymphalis I-album	Compton Tortoiseshell				S2S3	9	19.0 ± 2.0	NS
1	Aglais milberti	Milbert's Tortoiseshell				S2S3	16	19.0 ± 2.0	NS
1	Aglais milberti milberti	Milbert's Tortoise Shell				S2S3	3	51.7 ± 0.0	NS
1	Lanthus vernalis	Southern Pygmy Clubtail				S2S3	8	53.6 ± 0.0	NS
1	Somatochlora kennedyi	Kennedy's Emerald				S2S3	2	79.9 ± 1.0	PE
1	Somatochlora williamsoni	Williamson's Emerald				S2S3	12	82.7 ± 0.0	PE
1	Williamsonia fletcheri	Ebony Boghaunter				S2S3	4	50.6 ± 0.0	NS
i	Stylurus scudderi	Zebra Clubtail				S2S3	4	78.0 ± 0.0	NS
i	Alasmidonta undulata	Triangle Floater				S2S3	19	41.3 ± 0.0	NS
		Variegated Long-horned							NS
I	Astyleiopus variegatus	Beetle				S3	1	95.8 ± 0.0	
I	Naemia seriata	Seaside Lady Beetle				S3	1	70.9 ± 0.0	NS
I	Chilocorus stigma	Twice-stabbed Lady Beetle				S3	1	73.0 ± 0.0	PE
I	Monochamus marmorator	Balsam Fir Sawyer				S3	2	38.5 ± 0.0	NS
I	Satyrium calanus	Banded Hairstreak				S3	3	20.4 ± 2.0	NS
I	Callophrys lanoraieensis	Bog Elfin				S3	6	36.8 ± 0.0	NS
1	Phanogomphus descriptus	Harpoon Clubtail				S3	4	58.8 ± 1.0	NS
I	Ophiogomphus aspersus	Brook Snaketail				S3	4	76.1 ± 0.0	NS
1	Ophiogomphus mainensis	Maine Snaketail				S3	14	39.2 ± 0.0	NS
I	Ophiogomphus rupinsulensis	Rusty Snaketail				S3	55	53.0 ± 0.0	NS
1	Epitheca princeps	Prince Baskettail				S3	11	50.7 ± 0.0	NS
1	Somatochlora forcipata	Forcipate Emerald				S3	3	73.6 ± 1.0	PE
1	Enallagma vernale	Vernal Bluet				S3	4	58.8 ± 1.0	NS
I	Strophitus undulatus	Creeper				S3	6	78.2 ± 1.0	NS
1	Polygonia interrogationis	Question Mark				S3B	48	16.7 ± 2.0	NS
ı	Cecropterus pylades	Northern Cloudywing				S3S4	27	7.7 ± 0.0	NS
1	Amblyscirtes hegon	Pepper and Salt Skipper				S3S4	12	16.7 ± 2.0	NS
1	Cupido comyntas	Eastern Tailed Blue				S3S4	3	43.3 ± 0.0	NS
1	Argynnis aphrodite	Aphrodite Fritillary				S3S4	23	22.8 ± 100.0	NS
1	Polygonia faunus	Green Comma				S3S4	18	19.0 ± 2.0	NS
1	Oeneis jutta	Jutta Arctic				S3S4	8	39.8 ± 0.0	NS
1	Aeshna clepsydra	Mottled Darner				S3S4	4	80.6 ± 1.0	NS
1	Aeshna constricta	Lance-Tipped Darner				S3S4	28	16.8 ± 1.0	NS
1	Boyeria grafiana	Ocellated Darner				S3S4	11	51.7 ± 0.0	NS
1	Gomphaeschna furcillata	Harlequin Darner				S3S4	3	70.8 ± 0.0	PE
1	Somatochlora franklini	Delicate Emerald				S3S4	6	59.9 ± 1.0	NS
i	Nannothemis bella	Elfin Skimmer				S3S4	3	94.3 ± 1.0	NS
1	Sympetrum danae	Black Meadowhawk				S3S4	7	71.8 ± 1.0	NS
i	Amphiagrion saucium	Eastern Red Damsel				S3S4	2	23.8 ± 0.0	NS
i	Sphaerophoria pyrrhina	Violaceous Globetail				SH	1	39.1 ± 5.0	NS
1	Icaricia saepiolus	Greenish Blue				SH	3	20.1 ± 2.0	NS
i	Polygonia gracilis	Hoary Comma				SH	2	19.0 ± 2.0	NS
N	Erioderma mollissimum	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	30	67.4 ± 0.0	NS
	Erioderma pedicellatum	Boreal Felt Lichen - Atlantic	ū	ū	•				NS
N	(Atlantic pop.)	pop.	Endangered	Endangered	Endangered	S1	523	56.0 ± 0.0	
N	Peltigera hydrothyria	Eastern Waterfan	Threatened	Threatened	Threatened	S1	34	8.7 ± 0.0	NS
N	Pannaria lurida	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	24	68.1 ± 1.0	NS
N	Anzia colpodes	Black-foam Lichen	Threatened	Threatened	Threatened	S3	33	40.5 ± 0.0	NS
N	Fuscopannaria leucosticta	White-rimmed Shingle	Threatened			S3	6	60.4 ± 0.0	NS
	•	Lichen							
N	Heterodermia squamulosa	Scaly Fringe Lichen	Threatened			S3	8	77.4 ± 0.0	NS

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N	Pectenia plumbea	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	170	15.0 ± 0.0	NS
N	Sclerophora peronella	Frosted Glass-whiskers	•	Special Concern		S3S4	25	63.8 ± 0.0	NS
	(Atlantic pop.)	(Atlantic population)	Special Concern	Special Concern					
N	Pseudevernia cladonia	Ghost Antler Lichen	Not At Risk			S2S3	7	60.7 ± 1.0	NS
N	Fissidens exilis	Pygmy Pocket Moss	Not At Risk			S3	6	37.3 ± 0.0	NS
N	Chaenotheca servitii	Flexuous Golden Stubble	Data Deficient			S1	1	52.9 ± 1.0	NS
N	Erioderma pedicellatum	Boreal Felt Lichen	E,SC		Endangered	S1	1	67.3 ± 0.0	NS
N	Tetrodontium brownianum	Little Georgia				S1	1	98.3 ± 0.0	NS
N	Cyrto-hypnum minutulum	Tiny Cedar Moss				S1	1	53.1 ± 0.0	NS
N	Blennothallia crispa	Crinkled Jelly Lichen				S1	1	98.7 ± 0.0	NS
N	Cladonia brevis	Short Peg Lichen				S1	1	95.7 ± 4.0	PE
N	Scytinium schraderi	Wrinkled Jellyskin Lichen				S1	1	62.3 ± 0.0	NS
N	Lichina confinis	Marine Seaweed Lichen				S1	2	90.5 ± 2.0	NS
N	Polychidium muscicola	Eyed Mossthorns				S1	1	48.4 ± 0.0	NS
	-	Woollybear Lichen							
N	Peltigera lepidophora	Scaly Pelt Lichen				S1	2	47.7 ± 0.0	PE
N	Hypogymnia hultenii	Powdered Honeycomb				S1	9	91.2 ± 0.0	NS
	,, ,,	Lichen				040		000.00	NO
N	Calypogeia neogaea	Common Pouchwort				S1?	1	90.0 ± 0.0	NS
N	Aloina rigida	Aloe-Like Rigid Screw Moss				S1?	2	50.4 ± 0.0	NS
N	Brachythecium erythrorrhizon	Taiga Ragged Moss				S1?	2	91.5 ± 0.0	PE
N	Campylostelium saxicola	a Moss				S1?	2	75.9 ± 0.0	PE
N	Tortula obtusifolia	a Moss				S1?	3	36.4 ± 2.0	NS
N	Didymodon tophaceus	Olive Beard Moss				S1?	2	98.6 ± 4.0	NS
N	Schistostega pennata	Luminous Moss				S1?	1	98.1 ± 0.0	NS
N	Enchylium limosum	Lime-loving Tarpaper Lichen				S1?	2	73.8 ± 0.0	PE
N	Scytinium intermedium	Forty-five Jellyskin Lichen				S1?	2	77.5 ± 4.0	NS
N	Arrhenopterum heterostichum	One-sided Groove Moss				S1S2	1	91.5 ± 1.0	NS
N	Plagiothecium latebricola	Alder Silk Moss				S1S2	1	94.7 ± 3.0	NS
N	Seligeria donniana	Donian Beardless Moss				S1S2	1	99.5 ± 3.0	NS
	Sematophyllum								NS
N	marylandicum	a Moss				S1S2	1	92.2 ± 6.0	
N	Timmia megapolitana Pseudotaxiphyllum	Metropolitan Timmia Moss				S1S2	3	49.9 ± 0.0	NS NS
N	distichaceum	a Moss				S1S2	2	95.5 ± 0.0	
N	Haplocladium microphyllum	Tiny-leaved Haplocladium				S1S2	1	55.5 ± 5.0	NS
	• •	Moss							NS
N	Placidium squamulosum	Limy Soil Stipplescale Lichen				S1S2	1	51.5 ± 6.0	INO
N	Cladonia labradorica	Labrador Lichen				S1S2	1	100.0 ± 0.0	NS
N	Peltigera ponojensis	Pale-bellied Pelt Lichen				S1S2 S1S2	1	15.6 ± 0.0	NS
N	Pilophorus cereolus	Powdered Matchstick Lichen				S1S2 S1S2	1	81.0 ± 3.0	NS NS
N	Parmeliella parvula	Poor-man's Shingles Lichen				S1S2 S1S2	14	73.6 ± 0.0	NS
N	Heterodermia galactophylla	Branching Fringe Lichen				S1S2 S1S3	2	61.6 ± 0.0	NS NS
N	Peltigera neckeri	Black-saddle Pelt Lichen				S1S3	2	70.7 ± 0.0	NS
N	Stereocaulon grande	Grand Foam Lichen				S1S3	1	51.0 ± 0.0	NS
N	Anacamptodon splachnoides	a Moss				S2	1	94.7 ± 3.0	NS
N	Sphagnum platyphyllum	Flat-leaved Peat Moss				S2 S2	2	98.1 ± 3.0	NS
N	Sphagnum subnitens	Lustrous Peat Moss				S2 S2	1	93.6 ± 2.0	NS
N	Scytinium imbricatum	Scaly Jellyskin Lichen				S2 S2	1	85.3 ± 4.0	NS
N	Nephroma resupinatum	a lichen				S2 S2	2	87.7 ± 0.0	NS NS
N	Placynthium flabellosum	Scaly Ink Lichen				S2 S2	1	78.5 ± 17.0	NS
N	Anaptychia crinalis	Hanging Fringed Lichen				S2 S2	2	95.7 ± 4.0	PE
N	Riccardia multifida	Delicate Germanderwort				S2?	2	71.7 ± 0.0	NS
N	Anomodon viticulosus	a Moss				S2?	1	50.6 ± 5.0	NS
N	Atrichum angustatum	Lesser Smoothcap Moss				S2?	3	30.6 ± 2.0	NS
1.4	Autonum angustatum	Ecoser Officontical Mics				52 :	3	JU.U 1 Z.U	110

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Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	Drepanocladus polygamus	Polygamous Hook Moss				S2?	4	82.3 ± 0.0	PE
V	Ditrichum rhynchostegium	a Moss				S2?	1	47.2 ± 0.0	PE
N	Kiaeria starkei	Starke's Fork Moss				S2?	1	91.5 ± 10.0	NS
N	Philonotis marchica	a Moss				S2?	3	29.6 ± 0.0	NS
N.I	Platydictya	T-1 \A/;II NA				000	•	74.4 . 0.0	NS
N	jungermannioides	False Willow Moss				S2?	3	71.1 ± 0.0	
N	Saelania glaucescens	Blue Dew Moss				S2?	1	27.3 ± 0.0	NS
	Cyrtomnium								NS
N	hymenophylloides	Short-pointed Lantern Moss				S2?	1	27.3 ± 0.0	110
N	Platylomella lescurii	a Moss				S2?	1	95.4 ± 0.0	NS
N	Oxyrrhynchium hians	Light Beaked Moss				S2S3	1	68.7 ± 25.0	NS
N	Platydictya subtilis	Bark Willow Moss				S2S3	3	75.9 ± 0.0	PE
IN .	Flatyuictya subtilis	Blue-gray Moss Shingle				3233	3	73.9 ± 0.0	NS
N	Moelleropsis nebulosa					S2S3	58	54.9 ± 0.0	INO
		Lichen							NO
N	Moelleropsis nebulosa ssp.	Blue-gray Moss Shingle				S2S3	3	73.5 ± 0.0	NS
	frullaniae	Lichen							
N	Ramalina thrausta	Angelhair Ramalina Lichen				S2S3	15	36.1 ± 0.0	NS
N	Collema leptaleum	Crumpled Bat's Wing Lichen				S2S3	81	49.3 ± 0.0	PE
N	Usnea ceratina	Warty Beard Lichen				S2S3	1	91.2 ± 0.0	NS
N	Usnea rubicunda	Red Beard Lichen				S2S3	2	38.9 ± 0.0	NS
N	Ahtiana aurescens	Eastern Candlewax Lichen				S2S3	7	36.0 ± 6.0	NS
N.I.	Cladania inavassata	Powder-foot British Soldiers				0000	1	71.9 ± 0.0	NS
N	Cladonia incrassata	Lichen				S2S3	1	71.9 ± 0.0	
N	Cladonia parasitica	Fence-rail Lichen				S2S3	1	64.1 ± 1.0	NS
N	Scytinium tenuissimum	Birdnest Jellyskin Lichen				S2S3	16	39.1 ± 0.0	NS
N	Melanohalea septentrionalis	Northern Camouflage Lichen				S2S3	2	89.8 ± 0.0	PE
N	Myelochroa aurulenta	Powdery Axil-bristle Lichen				S2S3	1	37.2 ± 0.0	NS
N	Parmelia fertilis	Fertile Shield Lichen				S2S3	10	27.7 ± 0.0	NS
IN.	i annella tertilis	Hairless-spined Shield				0200	10	21.1 ± 0.0	NS
N	Hypotrachyna minarum					S2S3	1	85.8 ± 0.0	INS
N.I.	Dama dia ania ambiana	Lichen				S2S3	4	470.40	NS
N	Parmeliopsis ambigua	Green Starburst Lichen						17.3 ± 1.0	
N	Fuscopannaria sorediata	a Lichen				S2S3	6	60.6 ± 0.0	NS
N	Stereocaulon condensatum	Granular Soil Foam Lichen				S2S3	10	3.5 ± 0.0	NS
N	Physcia subtilis	Slender Rosette Lichen				S2S3	1	79.0 ± 0.0	NS
N	Cladonia coccifera	Eastern Boreal Pixie-cup				S2S3	2	52.4 ± 1.0	NS
		Lichen							
N	Cladonia deformis	Lesser Sulphur-cup Lichen				S2S3	2	79.2 ± 0.0	PE
N	Ephemerum serratum	a Moss				S3	2	19.7 ± 3.0	NS
N	Fissidens taxifolius	Yew-leaved Pocket Moss				S3	2	8.1 ± 0.0	NS
N	Anomodon tristis	a Moss				S3	3	77.8 ± 0.0	NS
N	Sphagnum contortum	Twisted Peat Moss				S3	4	90.3 ± 4.0	NS
	, ,	Toothed-leaved Nitrogen							NS
N	Tetraplodon angustatus	Moss				S3	3	74.1 ± 0.0	
N	Rostania occultata	Crusted Tarpaper Lichen				S3	5	66.9 ± 0.0	PE
N	Collema nigrescens	Blistered Tarpaper Lichen				S3	17	50.9 ± 2.0	NS
N	Solorina saccata	Woodland Owl Lichen				S3	7	64.0 ± 0.0	NS
N		Corrugated Shingles Lichen				S3	87	16.9 ± 0.0	NS
	Fuscopannaria ahlneri								
N	Scytinium lichenoides	Tattered Jellyskin Lichen				S3	28	47.4 ± 0.0	NS
N	Leptogium milligranum	Stretched Jellyskin Lichen				S3	9	51.0 ± 0.0	NS
N	Nephroma bellum	Naked Kidney Lichen				S3	8	30.4 ± 0.0	NS
N	Placynthium nigrum	Common Ink Lichen				S3	4	51.4 ± 0.0	NS
N	Platismatia norvegica	Oldgrowth Rag Lichen				S3	1	97.3 ± 0.0	NS
N	Ephebe lanata	Waterside Rockshag Lichen				S3	2	48.4 ± 0.0	NS
N.I.	Dhaganh ragis!!!-!	Powder-tipped Shadow				CO	4	E0.6 + 0.0	PE
N	Phaeophyscia adiastola	Lichen				S3	4	52.6 ± 0.0	
N.I	Discourie ''' '	Pompom-tipped Shadow				00	40	00.00	NS
N	Phaeophyscia pusilloides	Lichen				S3	12	6.0 ± 0.0	
N	Peltigera collina	Tree Pelt Lichen				S3	16	29.2 ± 0.0	NS
• •	. J.Jora Johnia	I OR LIGHON						_0.2 ± 0.0	.,.

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Taxonomic Group Scientific Name **Common Name** COSEWIC SARA Prov Legal Prot Prov Rarity Rank # recs Distance (km) Prov

Group	Scientific Name	Common Name	COSEWIC	SARA	FIOV Legal FIOL	PIOV Railly Rails	# 1605	Distance (Kill)	FIUV
N	Barbula convoluta	Lesser Bird's-claw Beard				S3?	1	46.9 ± 0.0	PE
N		Moss				S3?	1		PE
N N	Calliergon giganteum Elodium blandowii	Giant Spear Moss				S3?		78.9 ± 2.0 7.0 ± 3.0	NS
N N		Blandow's Bog Moss				S3?	2 1	7.0 ± 3.0 91.5 ± 1.0	NS NS
N N	Mnium stellare	Star Leafy Moss				S3? S3?	-		NS NS
	Sphagnum lindbergii	Lindberg's Peat Moss					1	92.8 ± 0.0	
N	Sphagnum riparium	Streamside Peat Moss				S3?	2	79.0 ± 0.0	NS
N	Cladonia stygia	Black-footed Reindeer Lichen				S3?	5	76.0 ± 0.0	NS
N	Encalypta procera	Slender Extinguisher Moss				S3S4	5	76.6 ± 0.0	NS
N	Myurella julacea	Small Mouse-tail Moss				S3S4	1	27.3 ± 0.0	NS
N	Splachnum ampullaceum	Cruet Dung Moss				S3S4	2	67.2 ± 0.0	NS
N	Thamnobryum alleghaniense	a Moss				S3S4	3	76.2 ± 0.0	NS
N	Tomentypnum nitens	Golden Fuzzy Fen Moss				S3S4	2	81.5 ± 0.0	PE
N	Schistidium agassizii	Elf Bloom Moss				S3S4	2	83.9 ± 0.0	NS
N	Hylocomiastrum pyrenaicum	a Feather Moss				S3S4	1	99.5 ± 3.0	NS
N	Bryoria pseudofuscescens	Mountain Horsehair Lichen				S3S4	17	53.6 ± 0.0	PE
N	Enchylium tenax	Soil Tarpaper Lichen				S3S4	7	47.4 ± 0.0	NS
N	Sticta fuliginosa	Peppered Moon Lichen				S3S4	52	16.0 ± 1.0	NS
N	Arctoparmelia incurva	Finger Ring Lichen				S3S4	10	83.5 ± 0.0	NS
N	Scytinium teretiusculum	Curly Jellyskin Lichen				S3S4	14	28.5 ± 0.0	NS
N	Leptogium acadiense	Acadian Jellyskin Lichen				S3S4	28	21.1 ± 0.0	NS
N	Scytinium subtile	Appressed Jellyskin Lichen				S3S4	36	50.0 ± 0.0	NS
N	Vahliella leucophaea	Shelter Shingle Lichen				S3S4	9	54.8 ± 0.0	NS
N	Heterodermia speciosa	Powdered Fringe Lichen				S3S4	20	16.6 ± 3.0	NS
N	Leptogium corticola	Blistered Jellyskin Lichen				S3S4	35	52.4 ± 0.0	NS
N	Melanohalea olivacea	Spotted Camouflage Lichen				S3S4	6	16.6 ± 3.0	NS
N	Parmeliopsis hyperopta	Gray Starburst Lichen				S3S4	5	3.7 ± 1.0	NS
N	Parmotrema perlatum	Powdered Ruffle Lichen				S3S4	1	84.4 ± 0.0	NS
	•					S3S4 S3S4		82.5 ± 1.0	NS
N	Peltigera hymenina	Cloudy Pelt Lichen				S3S4 S3S4	1 733		NS NS
N	Coccocarpia palmicola	Salted Shell Lichen						40.3 ± 0.0	
N	Physcia tenella	Fringed Rosette Lichen				S3S4	8	53.4 ± 0.0	PE
N	Anaptychia palmulata	Shaggy Fringed Lichen				S3S4	61	35.2 ± 0.0	NS
N	Evernia prunastri	Valley Oakmoss Lichen				S3S4	32	8.0 ± 5.0	NS
N	Heterodermia neglecta	Fringe Lichen	-		-	S3S4	57	13.1 ± 0.0	NS
Р	Fraxinus nigra	Black Ash	Threatened		Threatened	S1S2	452	9.0 ± 0.0	NS
Р	Bartonia paniculata ssp. paniculata	Branched Bartonia	Threatened	Threatened		SNA	1	44.6 ± 10.0	NS
Р	Lilaeopsis chinensis	Eastern Lilaeopsis	Special Concern	Special Concern	Vulnerable	S3	17	70.9 ± 0.0	NS
Р	Isoetes prototypus	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S3	13	60.7 ± 0.0	NS
Р	Floerkea proserpinacoides	False Mermaidweed	Not At Risk			S2S3	3	32.7 ± 7.0	NS
Р	Acer saccharinum	Silver Maple				S1	1	96.9 ± 20.0	PE
Р	Nabalus racemosus	Glaucous Rattlesnakeroot				S1	1	96.9 ± 20.0	PE
Р	Cochlearia tridactylites	Limestone Scurvy-grass				S1	5	95.0 ± 0.0	NS
Р	Lobelia spicata	Pale-Spiked Lobelia				S1	6	49.7 ± 7.0	NS
Р	Stellaria crassifolia	Fleshy Stitchwort				S1	1	92.4 ± 5.0	PE
P	Hudsonia tomentosa	Woolly Beach-heath				S1	55	28.3 ± 7.0	NS
P	Callitriche hermaphroditica	Northern Water-starwort				S1	6	91.3 ± 0.0	PE
Р	Elatine americana	American Waterwort				S1	1	78.9 ± 0.0	NS
P	Ribes americanum	Wild Black Currant				S1	2	38.6 ± 5.0	NS
P	Fraxinus pennsylvanica	Red Ash				S1	6	60.4 ± 0.0	NS
P	Persicaria careyi	Carey's Smartweed				S1	1	52.3 ± 3.0	NS
P						S1			NS NS
P P	Ranunculus pensylvanicus	Pennsylvania Buttercup				S1 S1	31	53.8 ± 0.0	NS NS
P P	Salix myrtillifolia	Blueberry Willow					1	69.1 ± 0.0	
•	Salix serissima	Autumn Willow				S1	2	69.1 ± 0.0	NS
P	Carex alopecoidea	Foxtail Sedge				S1	2	87.5 ± 0.0	NS
P	Carex garberi	Garber's Sedge				S1	4	22.7 ± 0.0	NS
Р	Carex ormostachya	Necklace Spike Sedge				S1	1	94.8 ± 1.0	NB

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Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
Р	Carex plantaginea	Plantain-Leaved Sedge				S1	4	32.3 ± 0.0	NS
Р	Carex prairea	Prairie Sedge				S1	1	82.5 ± 0.0	PE
Р	Carex tincta	Tinged Sedge				S1	4	87.5 ± 1.0	NS
Р	Carex viridula var.	Greenish Sedge				S1	4	92.2 ± 0.0	NS
Р	saxilittoralis	Greenish Seage				31	4	92.2 ± 0.0	
Р	Carex grisea	Inflated Narrow-leaved Sedge				S1	6	77.2 ± 0.0	NS
	Cyperus lupulinus ssp.	9							NS
Р	macilentus	Hop Flatsedge				S1	15	21.6 ± 0.0	
Р	Scirpus atrovirens	Dark-green Bulrush				S1	2	62.7 ± 0.0	NS
Р	Blysmopsis rufa	Red Bulrush				S1	1	93.9 ± 5.0	PE
Р	Iris prismatica	Slender Blue Flag				S1	2	73.3 ± 1.0	NS
Р	Juncus vaseyi	Vasey Rush				S1	4	27.2 ± 0.0	NS
Р	Malaxis monophyllos var.	North American White				04	•	00 5 . 4 0	NS
Р	brachypoda	Adder's-mouth				S1	3	90.5 ± 1.0	
Р	Elymus hystrix	Spreading Wild Rye				S1	4	31.1 ± 1.0	NS
Р	Potamogeton nodosus	Long-leaved Pondweed				S1	1	97.0 ± 5.0	NS
Р	Adiantum pedatum	Northern Maidenhair Fern				S1	1	39.6 ± 1.0	NS
Р	Solidago hispida	Hairy Goldenrod				S1?	1	51.9 ± 7.0	NS
P	Suaeda rolandii	Roland's Sea-Blite				S1?	1	82.0 ± 2.0	NS
P	Carex pensylvanica	Pennsylvania Sedge				S1?	3	54.6 ± 3.0	NS
		Narrow-leaved Beaked							PE
Р	Carex rostrata	Sedge				S1?	1	96.8 ± 5.0	
Р	Bolboschoenus robustus	Sturdy Bulrush				S1?	2	49.7 ± 7.0	NS
P	Allium schoenoprasum	Wild Chives				S1?	4	17.3 ± 3.0	NS
	Allium schoenoprasum var.								NS
Р	sibiricum	Wild Chives				S1?	1	40.2 ± 7.0	140
Р	Cypripedium arietinum	Ram's-Head Lady's-Slipper			Endangered	S1S2	13	50.5 ± 0.0	NS
P	Sanicula odorata	Clustered Sanicle			Lindangered	S1S2	4	6.2 ± 10.0	NS
P	Ageratina altissima	White Snakeroot				S1S2	2	77.8 ± 1.0	NS
P	Proserpinaca intermedia	Intermediate Mermaidweed				S1S2 S1S2	1	77.0 ± 1.0 73.0 ± 0.0	NS
	Anemone virginiana var.	intermediate Mermaldweed							NS
Р	alba	Virginia Anemone				S1S2	5	30.3 ± 5.0	NO
	aiba	Small-flowered Grass-of-							NS
Р	Parnassia parviflora	Parnassus				S1S2	1	60.5 ± 1.0	140
Р	Carex haydenii	Hayden's Sedge				S1S2	4	38.5 ± 1.0	NS
P						S1S2 S1S2	5	57.8 ± 10.0	NS NS
г	Platanthera huronensis	Fragrant Green Orchid				3132	3	37.0 I 10.0	PE
Р	Calamagrostis stricta ssp.	Slim-stemmed Reed Grass				S1S2	26	73.9 ± 0.0	PE
Р	stricta	F-4				0400	•	07.5 . 0.0	NO
	Carex vacillans	Estuarine Sedge				S1S3	3	87.5 ± 0.0	NS
P	Zizia aurea	Golden Alexanders				S2	47	21.8 ± 1.0	NS
P	Antennaria parlinii ssp. fallax	Parlin's Pussytoes				S2	4	10.9 ± 0.0	NS
P	Rudbeckia laciniata	Cut-Leaved Coneflower				S2	25	18.5 ± 0.0	NS
P	Arabis pycnocarpa	Cream-flowered Rockcress				S2	1	95.1 ± 0.0	NS
P	Hudsonia ericoides	Pinebarren Golden Heather				S2	3	93.9 ± 5.0	PE
P	Desmodium canadense	Canada Tick-trefoil				S2	20	19.9 ± 0.0	NS
P	Anemonastrum canadense	Canada Anemone				S2	1	37.2 ± 0.0	NS
P	Hepatica americana	Round-lobed Hepatica				S2	27	5.3 ± 0.0	NS
Р	Galium boreale	Northern Bedstraw				S2	7	60.8 ± 5.0	NS
Р	Comandra umbellata	Bastard's Toadflax				S2	51	83.8 ± 5.0	NS
Р	Gratiola neglecta	Clammy Hedge-Hyssop				S2	5	44.9 ± 0.0	NS
Р	Dirca palustris	Eastern Leatherwood				S2	5	68.5 ± 7.0	NS
Р	Carex chordorrhiza	Creeping Sedge				S2	1	87.8 ± 1.0	PE
Р	Carex gynocrates	Northern Bog Sedge				S2	2	69.1 ± 0.0	NS
Р	Carex pellita	Woolly Sedge				S2	12	19.2 ± 0.0	NS
Р	Carex livida	Livid Sedge				S2	14	51.9 ± 0.0	NS
Р	Juncus greenei	Greene's Rush				S2	7	62.5 ± 1.0	NS
Р	Juncus alpinoarticulatus ssp.	Northern Green Rush				S2	7	90.7 ± 3.0	PE
	,								

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Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	americanus								
P	Luzula spicata	Spiked Woodrush				S2	1	77.3 ± 0.0	NS
P	Allium tricoccum	Wild Leek				S2	8	18.3 ± 0.0	NS
P	Lilium canadense	Canada Lily				S2	109	5.8 ± 6.0	NS
Р	Cypripedium parviflorum var. pubescens	Yellow Lady's-slipper				S2	37	17.8 ± 7.0	NS
Р	Cypripedium reginae	Showy Lady's-Slipper				S2	68	12.3 ± 0.0	NS
Р	Platanthera flava var.	Pale Green Orchid				S2	8	16.2 ± 0.0	NS
Р	herbiola Platanthera macrophylla	Large Round-Leaved Orchid				S2	13	9.2 ± 5.0	NS
Р	Bromus latiglumis	Broad-Glumed Brome				S2	33	35.1 ± 0.0	NS
Р	Cinna arundinacea	Sweet Wood Reed Grass				S2	19	42.0 ± 0.0	NS
Р	Elymus wiegandii	Wiegand's Wild Rye				S2	20	11.4 ± 0.0	NS
P	Festuca subverticillata	Nodding Fescue				S2	5	68.5 ± 1.0	NS
P						S2 S2	5 1		
•	Cryptogramma stelleri	Steller's Rockbrake					-	80.6 ± 0.0	NS
P	Cuscuta cephalanthi	Buttonbush Dodder				S2?	7	13.9 ± 1.0	NS
P	Rumex persicarioides	Peach-leaved Dock				S2?	5	68.9 ± 5.0	PE
P	Crataegus submollis	Quebec Hawthorn				S2?	6	36.4 ± 5.0	NS
P	Carex peckii	White-Tinged Sedge				S2?	3	34.3 ± 0.0	NS
P	Thuja occidentalis	Eastern White Cedar			Vulnerable	S2S3	937	59.4 ± 0.0	NS
P	Osmorhiza longistylis	Smooth Sweet Cicely				S2S3	18	9.9 ± 0.0	NS
Р	Bidens hyperborea	Estuary Beggarticks				S2S3	3	72.1 ± 0.0	NS
Р	Erigeron philadelphicus	Philadelphia Fleabane				S2S3	5	48.5 ± 5.0	NS
Р	Lactuca hirsuta	Hairy Lettuce				S2S3	3	72.0 ± 5.0	PE
P		Pale Jewelweed				S2S3	3	48.4 ± 0.0	NS
	Impatiens pallida								
P	Caulophyllum thalictroides	Blue Cohosh				S2S3	58	18.2 ± 0.0	NS
P	Boechera stricta	Drummond's Rockcress				S2S3	8	28.0 ± 0.0	NS
P	Stellaria humifusa	Saltmarsh Starwort				S2S3	10	70.0 ± 1.0	PE
P	Oxybasis rubra	Red Goosefoot				S2S3	9	18.2 ± 0.0	NS
P	Hypericum majus	Large St John's-wort				S2S3	24	53.2 ± 0.0	NS
P	Hypericum x dissimulatum	Disguised St. John's-wort				S2S3	5	61.8 ± 1.0	NS
Р	Empetrum atropurpureum	Purple Crowberry				S2S3	5	91.5 ± 5.0	PE
Р	Euphorbia polygonifolia	Seaside Spurge				S2S3	13	42.4 ± 1.0	PE
P	Myriophyllum farwellii	Farwell's Water Milfoil				S2S3	9	41.7 ± 0.0	NS
Р	Hedeoma pulegioides	American False Pennyroval				S2S3	7	20.3 ± 5.0	NS
Г	Oenothera fruticosa ssp.	Narrow-leaved Evening				3233	,	20.3 ± 3.0	NS
P	tetragona	Primrose				S2S3	3	18.6 ± 7.0	NO
_	Polygonum aviculare ssp.						_		NS
Р	buxiforme	Box Knotweed				S2S3	5	20.7 ± 0.0	
Р	Polygonum oxyspermum ssp. raii	Ray's Knotweed				S2S3	4	90.3 ± 5.0	PE
Р	Rumex triangulivalvis	Triangular-valve Dock				S2S3	7	54.4 ± 0.0	NS
Р	Primula mistassinica	Mistassini Primrose				S2S3	16	29.5 ± 0.0	NS
Р	Anemone quinquefolia	Wood Anemone				S2S3	20	41.7 ± 0.0	NS
Р	Caltha palustris	Yellow Marsh Marigold				S2S3	53	35.5 ± 0.0	NS
Р	Amelanchier fernaldii	Fernald's Serviceberry				S2S3	3	86.2 ± 5.0	NS
P	Potentilla canadensis	Canada Cinquefoil				S2S3	1	58.3 ± 5.0	NS
P									
•	Galium obtusum	Blunt-leaved Bedstraw				S2S3	1	94.8 ± 1.0	NB
P	Salix pellita	Satiny Willow				S2S3	5	44.7 ± 0.0	NS
P	Tiarella cordifolia	Heart-leaved Foamflower				S2S3	222	9.3 ± 0.0	NS
Р	Agalinis purpurea var. parviflora	Small-flowered Purple False Foxglove				S2S3	12	14.8 ± 0.0	NS
Р						6262	0	70 0 + 0 0	NO
•	Boehmeria cylindrica	Small-spike False-nettle				S2S3	2	78.8 ± 0.0	NS
P	Carex adusta	Lesser Brown Sedge				S2S3	6	39.0 ± 0.0	NS
P	Carex capillaris	Hairlike Sedge				S2S3	1	96.0 ± 0.0	NS
P	Carex comosa	Bearded Sedge				S2S3	6	44.6 ± 7.0	NS
P	Carex houghtoniana	Houghton's Sedge				S2S3	5	54.5 ± 1.0	NS
Р	Carex hystericina	Porcupine Sedge				S2S3	7	19.2 ± 0.0	NS

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Taxonomic									
Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
Р	Eleocharis ovata	Ovate Spikerush				S2S3	7	17.9 ± 0.0	NS
Р	Scirpus pedicellatus	Stalked Bulrush				S2S3	7	42.9 ± 0.0	NS
Р	Vallisneria americana	Wild Celery				S2S3	7	52.6 ± 1.0	NS
P	Juncus ranarius	Seaside Rush				S2S3	1	95.8 ± 25.0	PE
P	Goodyera pubescens	Downy Rattlesnake-Plantain				S2S3	2	74.4 ± 1.0	NS
-	Spiranthes casei var.	•							PE
Р	novaescotiae	Case's Ladies'-Tresses				S2S3	2	85.2 ± 0.0	FL
Р		Chining Ladical Traces				S2S3	22	16.7 ± 5.0	NS
•	Spiranthes lucida	Shining Ladies'-Tresses							
P	Calamagrostis stricta	Slim-stemmed Reed Grass				S2S3	11	74.9 ± 0.0	PE
P	Potamogeton friesii	Fries' Pondweed				S2S3	19	36.1 ± 5.0	NS
Р	Woodsia glabella	Smooth Cliff Fern				S2S3	1	56.5 ± 1.0	NS
Р	Botrychium lanceolatum ssp.	Narrow Triangle Moonwort				S2S3	9	2.9 ± 0.0	NS
•	angustisegmentum	· ·							
Р	Botrychium simplex	Least Moonwort				S2S3	3	29.1 ± 0.0	NS
Р	Ophioglossum pusillum	Northern Adder's-tongue				S2S3	7	12.1 ± 0.0	NS
Р	Potamogeton pulcher	Spotted Pondweed			Vulnerable	S3	3	51.8 ± 2.0	NS
Р	Angelica atropurpurea	Purple-stemmed Angelica				S3	8	43.3 ± 0.0	NS
Р	Conioselinum chinense	Chinese Hemlock-parsley				S3	3	6.7 ± 5.0	NS
Р	Hieracium robinsonii	Robinson's Hawkweed				S3	3	12.6 ± 7.0	NS
Р	Senecio pseudoarnica	Seabeach Ragwort				S3	15	40.2 ± 7.0	NS
P	Symphyotrichum boreale	Boreal Aster				S3	59	40.2 ± 7.0	NS
P	Symphyotrichum ciliolatum	Fringed Blue Aster				S3	20	19.5 ± 0.0	NS
P	Betula michauxii	Michaux's Dwarf Birch				S3	32	57.6 ± 0.0	NS
P	Betula pumila	Bog Birch				S3	35	69.5 ± 0.0	NS
P		Small-flowered Bittercress				S3	4	93.5 ± 0.0	NS NS
P	Cardamine parviflora					S3			NS
P	Palustricodon aparinoides	Marsh Bellflower					36	6.1 ± 0.0	
•	Mononeuria groenlandica	Greenland Stitchwort				S3	2	82.6 ± 0.0	NS
P	Sagina nodosa	Knotted Pearlwort				S3	9	91.9 ± 0.0	NS
Р	Sagina nodosa ssp. borealis	Knotted Pearlwort				S3	9	90.7 ± 0.0	NS
Р	Stellaria longifolia	Long-leaved Starwort				S3	18	15.3 ± 0.0	NS
Р	Ceratophyllum echinatum	Prickly Hornwort				S3	13	42.0 ± 0.0	NS
P	Triosteum aurantiacum	Orange-fruited Tinker's				S3	99	15.4 ± 0.0	NS
'	mostcam daramacam	Weed						10.4 ± 0.0	
Р	Viburnum edule	Squashberry				S3	3	5.3 ± 0.0	NS
Р	Crassula aquatica	Water Pygmyweed				S3	6	86.0 ± 5.0	PE
Р	Empetrum eamesii	Pink Crowberry				S3	12	68.6 ± 5.0	PE
Р	Halenia deflexa	Spurred Gentian				S3	1	86.7 ± 1.0	NS
Р	Geranium bicknellii	Bicknell's Crane's-bill				S3	5	50.8 ± 2.0	NS
Р	Myriophyllum verticillatum	Whorled Water Milfoil				S3	2	42.3 ± 0.0	NS
Р	Epilobium strictum	Downy Willowherb				S3	48	38.1 ± 5.0	NS
Р	Polygala sanguinea	Blood Milkwort				S3	20	9.0 ± 0.0	NS
P	Persicaria arifolia	Halberd-leaved Tearthumb				S3	30	38.4 ± 0.0	NS
P	Plantago rugelii	Rugel's Plantain				S3	7	13.3 ± 0.0	NS
P	Samolus parviflorus	Seaside Brookweed				S3	22	55.3 ± 0.0	NS
P	Pyrola minor	Lesser Pyrola				S3	2	12.4 ± 0.0	NS
P	Anemone virginiana	Virginia Anemone				S3	28	12.4 ± 0.0 19.9 ± 1.0	NS NS
P	Galium labradoricum	Labrador Bedstraw				S3	103	41.1 ± 0.0	NS NS
•									
P	Salix pedicellaris	Bog Willow				S3	55	23.9 ± 7.0	NS
Р	Salix sericea	Silky Willow				S3	1	90.5 ± 1.0	NS
Р	Lindernia dubia	Yellow-seeded False				S3	46	13.0 ± 0.0	NS
•		Pimperel							
Р	Laportea canadensis	Canada Wood Nettle				S3	46	13.1 ± 0.0	NS
Р	Pilea pumila	Dwarf Clearweed				S3	29	36.8 ± 6.0	NS
Р	Viola nephrophylla	Northern Bog Violet				S3	10	12.1 ± 1.0	NS
Р	Carex bebbii	Bebb's Sedge				S3	20	28.1 ± 0.0	NS
Р	Carex castanea	Chestnut Sedge				S3	26	62.6 ± 0.0	NS
P	Carex cryptolepis	Hidden-scaled Sedge				S3	13	41.8 ± 0.0	NS
P	Carex eburnea	Bristle-leaved Sedge				S3	33	47.4 ± 0.0	NS
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Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
Р	Carex hirtifolia	Pubescent Sedge				S3	44	12.7 ± 0.0	NS
P	Carex lupulina	Hop Sedge				S3	30	6.6 ± 0.0	NS
P	Carex rosea	Rosy Sedge				S3	20	5.3 ± 0.0	NS
P	Carex tenera	Tender Sedge				S3	8	6.3 ± 1.0	NS
Р	Carex tribuloides	Blunt Broom Sedge				S3	12	19.2 ± 2.0	NS
Р	Carex tuckermanii	Tuckerman's Sedge				S3	12	6.8 ± 0.0	NS
Р	Eleocharis nitida	Quill Spikerush				S3	4	83.5 ± 7.0	NS
_	Eleocharis flavescens var.	•							NS
Р	olivacea	Bright-green Spikerush				S3	7	41.7 ± 0.0	
Р	Eleocharis quinqueflora	Few-flowered Spikerush				S3	1	97.0 ± 3.0	PE
Р	Eriophorum gracile	Slender Cottongrass				S3	14	38.3 ± 10.0	NS
Р	Schoenoplectus americanus	Olney's Bulrush				S3	1	77.3 ± 0.0	NS
Р	Coeloglossum viride	Long-bracted Frog Orchid				S3	1	64.7 ± 0.0	NS
P	Cypripedium parviflorum	Yellow Lady's-slipper				S3	26	12.2 ± 0.0	NS
P	Neottia bifolia	Southern Twayblade				S3	25	28.6 ± 0.0	NS
r P	Platanthera grandiflora	Large Purple Fringed Orchid				S3	132	9.0 ± 0.0	NS
P	Platanthera hookeri	Hooker's Orchid				S3	17	50.5 ± 0.0	NS
r P	Dichanthelium linearifolium	Narrow-leaved Panic Grass				S3	4	18.1 ± 7.0	NS NS
r P						S3	9		NS NS
-	Piptatheropsis canadensis	Canada Ricegrass						45.5 ± 1.0	
P	Poa glauca	Glaucous Blue Grass				S3	1	96.0 ± 0.0	NS
P	Stuckenia filiformis	Thread-leaved Pondweed				S3	7	81.1 ± 0.0	PE
P	Potamogeton praelongus	White-stemmed Pondweed				S3	43	17.7 ± 1.0	NS
P	Potamogeton richardsonii	Richardson's Pondweed				S3	6	12.9 ± 7.0	NS
P	Potamogeton zosteriformis	Flat-stemmed Pondweed				S3	16	43.3 ± 0.0	NS
P	Asplenium viride	Green Spleenwort				S3	9	62.5 ± 7.0	NS
P	Dryopteris fragrans	Fragrant Wood Fern				S3	7	26.3 ± 7.0	NS
P	Sceptridium dissectum	Dissected Moonwort				S3	6	11.6 ± 5.0	NS
P	Polypodium appalachianum	Appalachian Polypody				S3	13	12.8 ± 0.0	NS
Р	Persicaria amphibia var.	Long-root Smartweed				S3?	3	65.2 ± 0.0	NS
•	emersa	Long-root Smartweed					3	03.2 I 0.0	
P	Spiranthes ochroleuca	Yellow Ladies'-tresses				S3?	13	25.1 ± 0.0	NS
P	Diphasiastrum x sabinifolium	Savin-leaved Ground-cedar				S3?	14	20.5 ± 0.0	NS
P	Bidens vulgata	Tall Beggarticks				S3S4	5	29.7 ± 0.0	NS
P	Erigeron hyssopifolius	Hyssop-leaved Fleabane				S3S4	36	56.6 ± 0.0	NS
Р	Hieracium paniculatum	Panicled Hawkweed				S3S4	6	10.1 ± 0.0	NS
Р	Bidens beckii	Water Beggarticks				S3S4	13	25.9 ± 0.0	NS
Р	Packera paupercula	Balsam Groundsel				S3S4	75	20.0 ± 0.0	NS
_	Atriplex glabriuscula var.								NS
Р	franktonii	Frankton's Saltbush				S3S4	7	27.0 ± 2.0	
Р	Vaccinium boreale	Northern Blueberry				S3S4	4	90.7 ± 0.0	NS
Р	Vaccinium cespitosum	Dwarf Bilberry				S3S4	54	26.7 ± 0.0	NS
ı P	Vaccinium corymbosum	Highbush Blueberry				S3S4	1	96.4 ± 3.0	PE
P	Fagus grandifolia	American Beech				S3S4	213	5.6 ± 1.0	NS
r P		Yellow Bartonia				S3S4 S3S4	1	90.5 ± 7.0	NS NS
P P	Bartonia virginica								
•	Proserpinaca pectinata	Comb-leaved Mermaidweed				S3S4	2	40.7 ± 1.0	NS
P	Decodon verticillatus	Swamp Loosestrife				S3S4	1	89.3 ± 0.0	PE
P	Nuphar microphylla	Small Yellow Pond-lily				S3S4	3	12.7 ± 2.0	NS
P	Persicaria pensylvanica	Pennsylvania Smartweed				S3S4	22	12.1 ± 0.0	NS
P	Fallopia scandens	Climbing False Buckwheat				S3S4	46	13.1 ± 0.0	NS
P	Rumex pallidus	Seabeach Dock				S3S4	2	76.6 ± 0.0	NS
P	Pyrola asarifolia	Pink Pyrola				S3S4	16	23.3 ± 0.0	NS
P	Endotropis alnifolia	alder-leaved buckthorn				S3S4	284	41.1 ± 0.0	NS
P	Amelanchier spicata	Running Serviceberry				S3S4	13	10.0 ± 2.0	NS
P	Crataegus succulenta	Fleshy Hawthorn				S3S4	5	80.4 ± 5.0	PE
Р	Fragaria vesca ssp.	Woodland Streetham				S3S4	68	23.1 ± 1.0	NS
г	americana ,	Woodland Strawberry				JJJ4	δΩ	∠3.1 ± 1.0	
Р	Fragaria vesca	Woodland Strawberry				S3S4	1	62.7 ± 0.0	NS
Р	Galium aparine	Common Bedstraw				S3S4	16	39.1 ± 4.0	NS
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Taxonomic									
Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
Р	Geocaulon lividum	Northern Comandra				S3S4	17	57.4 ± 0.0	NS
Р	Limosella australis	Southern Mudwort				S3S4	45	52.0 ± 1.0	PE
Р	Ulmus americana	White Elm				S3S4	87	6.3 ± 2.0	NS
Р	Verbena hastata	Blue Vervain				S3S4	210	5.4 ± 0.0	NS
Р	Viola sagittata var. ovata	Arrow-Leaved Violet				S3S4	4	70.3 ± 1.0	PE
Р	Viola selkirkii	Great-Spurred Violet				S3S4	4	64.7 ± 0.0	NS
Р	Symplocarpus foetidus	Eastern Skunk Cabbage				S3S4	19	92.7 ± 0.0	NB
Р	Carex argyrantha	Silvery-flowered Sedge				S3S4	1	57.2 ± 5.0	PE
Р	Triglochin gaspensis	Gasp ├─ Arrowgrass				S3S4	24	90.5 ± 0.0	NS
Р	Juncus acuminatus	Sharp-Fruit Rush				S3S4	3	64.1 ± 0.0	NS
Р	Juncus subcaudatus	Woods-Rush				S3S4	19	19.6 ± 5.0	NS
Р	Luzula parviflora ssp.	Black-fruited Woodrush				S3S4	5	57.6 ± 0.0	NS
	melanocarpa	Diack-fidited Woodidsii					3		
Р	Goodyera repens	Lesser Rattlesnake-plantain				S3S4	9	43.0 ± 1.0	PE
Р	Liparis loeselii	Loesel's Twayblade				S3S4	23	43.5 ± 5.0	PE
Р	Platanthera obtusata	Blunt-leaved Orchid				S3S4	6	65.6 ± 1.0	NS
Р	Platanthera orbiculata	Small Round-leaved Orchid				S3S4	39	2.9 ± 0.0	NS
Р	Alopecurus aequalis	Short-awned Foxtail				S3S4	26	33.1 ± 1.0	NS
Р	Dichanthelium clandestinum	Deer-tongue Panic Grass				S3S4	119	59.9 ± 0.0	NS
Р	Panicum philadelphicum	Philadelphia Panicgrass				S3S4	11	53.0 ± 0.0	NS
Р	Koeleria spicata	Narrow False Oats				S3S4	9	20.3 ± 0.0	NS
Р	Equisetum pratense	Meadow Horsetail				S3S4	10	30.1 ± 0.0	NS
Р	Diphasiastrum complanatum	Northern Ground-cedar				S3S4	12	28.3 ± 0.0	NS
Р	Diphasiastrum sitchense	Sitka Ground-cedar				S3S4	7	31.8 ± 5.0	NS
Р	Huperzia appressa	Mountain Firmoss				S3S4	7	30.8 ± 5.0	NS
Р	Sceptridium multifidum	Leathery Moonwort				S3S4	23	19.9 ± 0.0	NS
Р	Botrychium matricariifolium	Daisy-leaved Moonwort				S3S4	17	12.4 ± 10.0	NS
Р	Viola canadensis	Canada Violet				SH	1	32.7 ± 7.0	NS

5.1 SOURCE BIBLIOGRAPHY (100 km)

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

# recs	CITATION
10612	Morrison, Guy. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
10383	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
5870	Paquet, Julie. 2018. Atlantic Canada Shorebird Survey (ACSS) database 2012-2018. Environment Canada, Canadian Wildlife Service.
4904	Pardieck, K.L., Ziolkowski Jr., D.J., Lutmerding, M., Aponte, V.I., and Hudson, M-A.R. 2020. North American Breeding Bird Survey Dataset 1966 - 2019: U.S. Geological Survey data release, https://doi.org/10.5066/P9J6QUF6
4110	Eaton, S. 2014. Nova Scotia Wood Turtle Database. Environment and Climate Change Canada, 4843 recs.
3887	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
1185	eBird. 2020. eBird Basic Dataset. Version: EBD_relNov-2019. Ithaca, New York. Nov 2019, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology.
911	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
889	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
801	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
620	Parks Canada. 2021. PEI National Park Bank swallow nest records from 2010-2019. Parks Canada, 1535 records.
614	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
447	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
409	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
401	SwiftWatch. 2022. Total Chimney Swift counts from roost watches for the duration of the SwiftWatch program (2011-2021). Birds Canada.
387	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).
333	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
331	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
330	Blaney, C.S.; Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
309	Paquet, Julie. 2019. Atlantic Canada Shorebird Survey ACSS database for 2019. Environment Canada, Canadian Wildlife Service.

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Page 19 of 24

- Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
- Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
- Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre Fieldwork 2015. Atlantic Canada Conservation Data Centre, # recs.
- Blaney, C.S & Spicer, C.D.; Popma, T.M.; Basquill, S.P. 2003. Vascular Plant Surveys of Northumberland Strait Rivers & Amherst Area Peatlands. Nova Scotia Museum Research Grant, 501 recs.
- 226 Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.
- 225 MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
- 209 eBird. 2014. eBird Basic Dataset. Version: EBD_relNov-2014. Ithaca, New York. Nov 2014. Cornell Lab of Ornithology, 25036 recs.
- 208 Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
- 199 Blaney, C.S.: Mazerolle, D.M. 2012, Fieldwork 2012, Atlantic Canada Conservation Data Centre, 13,278 recs.
- 187 Chapman, C.J. 2018, Atlantic Canada Conservation Data Centre botanical fieldwork 2018, Atlantic Canada Conservation Data Centre, 11171 recs.
- 185 Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
- 177 Island Nature Trust. 2016. Farmland birds project. Mader, Shannon (ed.).
- 170 Bryson, I. 2013. Nova Scotia rare plant records. CBCL Ltd., 180 records.
- 169 MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
- Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
- 166 Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
- Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiau.ca/library/Herbarium/project/. 582 recs.
- 155 Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
- 147 Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.
- 144 Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
- Catling, P.M., Erskine, D.S. & MacLaren, R.B. 1985. The Plants of Prince Edward Island with new records, nomenclatural changes & corrections & deletions, 1st Ed. Research Branch, Agriculture Canada, Ottawa, Publication 1798. 22pp.
- 137 Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
- 135 Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
- 130 Chapman-Lam, C.J. 2022. Atlantic Canada Conservation Data Centre 2021 botanical fieldwork. Atlantic Canada Conservation Data Centre, 15099 recs.
- 128 Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
- 127 MacDonald, Haley. 2022. Updates to Fraxinus nigra observations on NCC Docherty's Brook property. Nature Conservancy of Canada.
- LaPaix, R.W.: Crowell, M.J.: MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
- 120 Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
- 111 Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
- 110 Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
- 109 Burke, Lindsey. 2022. Species data recorded during the 2021 season at Prince Edward Island National Park. Parks Canada.
- 109 Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.
- 100 Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
- Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
- 97 Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
- 91 Burns, L. 2013. Personal communication concerning bat occurrence on PEI. Winter 2013. Pers. comm.
- 88 Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
- 87 McNeil, J.A. 2018. Wood Turtle records, 2018. Mersey Tobeatic Research Institute, 68 recs.
- 83 Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
- 80 Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
- 78 Nature Conservancy of Canada. 2022. NCC Field data for Nova Scotia. Nature Conservancy of Canada.
- 75 Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
- 75 Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.
- 73 Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
- 72 Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands., 303 records.
- 69 Berrigan, L. 2019. Maritimes Marsh Monitoring Project 2013, 2014, 2016, 2017, and 2018 data. Bird Studies Canada, Sackville, NB.
- 68 Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
- Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
- 63 Klymko, John. 2022. Atlantic Canada Conservation Data Centre zoological fieldwork 2021. Atlantic Canada Conservation Data Centre.
- 62 Blanev, C.S.: Mazerolle, D.M.: Oberndorfer, E. 2007, Fieldwork 2007, Atlantic Canada Conservation Data Centre, Sackville NB, 13770 recs.
- 62 Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
- 62 Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
- 61 Arsenault, M. 2019. Cormorant colony nest counts. PE Department of Communities, Land, and Environment.
- 61 Ayles, P. 2006. Prince Edward Island National Park Digital Database. Parks Canada, 179 recs.
- 61 Glen, W. 1991. 1991 Prince Edward Island Forest Biomass Inventory Data. PEI Dept of Energy and Forestry, 10059 recs.
- 60 Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
- 57 Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
- 57 Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.

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Page 20 of 24

- Munro, Marian K. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
- 52 Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
- 52 Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
- 50 Blaney, C.S.; Mazerolle, D.M.; Klymko, J; Spicer, C.D. 2006. Fieldwork 2006. Atlantic Canada Conservation Data Centre. Sackville NB, 8399 recs.
- 50 iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
- 48 eBird. 2021. eBird Basic Dataset. Version: EBD relOct-2020. Ithaca, New York. Oct 2020, Prince Edward Island Bird SAR subset. Cornell Lab of Ornithology.
- 47 Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
- 47 Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
- 45 Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
- 44 Blaney, C.S. 2020, Sean Blaney 2020 field data, Atlantic Canada Conservation Data Centre, 4407 records,
- 44 Neily, T.H. & Pepper, C.; Toms, B. 2015. Nova Scotia lichen location database [as of 2015-02-15]. Mersey Tobeatic Research Institute, 1691 records.
- 44 Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
- 43 Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
- 42 Erskine, D. 1960. The plants of Prince Edward Island, 1st Ed. Research Branch, Agriculture Canada, Ottawa., Publication 1088. 1238 recs.
- 41 Curley, F.R. 2005. PEF&W Collection 2003-04. PEI Fish & Wildlife Div., 716 recs.
- 41 Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
- 40 Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
- 39 Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
- 38 Pulsifer, M.D. 2002. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 369 recs.
- 37 Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
- 37 PEI National Park. 2019. SAR and Bombus records from PEI NP from the 2019 field season. Moody, Allison (ed.) PEI National Park, 158 recs.
- 36 Hall, R.A. 2001. S.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
- 36 Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
- 34 Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
- 33 Blaney, C.S. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre.
- 33 iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
- 32 Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
- 30 Belland, R.J. Maritimes moss records from various herbarium databases, 2014.
- 30 Chapman, C.J. 2019. Atlantic Canada Conservation Data Centre 2019 botanical fieldwork. Atlantic Canada Conservation Data Centre, 11729 recs.
- 30 Parks Canada, 2021, PEI National Park 2020 Species at Risk records, Parks Canada, 40 records,
- Tims, J. & Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA). NB Dept of Environment & Nature Trust of New Brunswick Inc, 6042 recs. https://doi.org/10.1037/arc0000014.
- 29 Benjamin, L.K. (compiler), 2001, Significant Habitat & Species Database, Nova Scotia Dept of Natural Resources, 15 spp. 224 recs.
- 29 Neily, T.H. 2010, Erioderma Pedicellatum records 2005-09, Mersey Tobiatic Research Institute, 67 recs.
- Sharkie, R., MacQuarrie, K., Fraser, M. 2003. A Floral Inventory of the Western Section of Prince Edward Island National Park and adjacent Crown lands. Parks Canada Agency, v + 106 pp.
- 27 Sollows, M.C., 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
- 26 Belliveau, A.G. 2021. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2021. E.C. Smith Herbarium.
- Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
- 25 Blaney, C.S.; Spicer, C.D.; Mazerolle, D.M. 2005. Fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
- MacQuarrie, K.E., H. Schaefer, and K. Schoenrank. 1999. A Floral inventory of the Western Area, Greenwich, Prince Edward Island National Park. Parks Canada Agency, Parks Canada Technical Reports in Ecosystem Science, No 021.
- 25 Pepper, Chris. 2012. Observations of breeding Canada Warbler's along the Eastern Shore, NS. Pers. comm. to S. Blaney, Jan. 20, 28 recs.
- 24 Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
- 23 Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.
- 23 Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
- 23 MacDonald, M. 2008. PEI Power Corridor Floral Surveys, 2004-08. Jacques Whitford Ltd, 2238 recs (979 rare).
- Anderson, Frances; Neily, Tom. 2010. A Reconnaissance Level Survey of Calciphilous Lichens in Selected Karst Topography in Nova Scotia with Notes on Incidental Bryophytes. Mersey Tobeatic Research Institute
- 22 Archibald, D.R. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 213 recs.
- 22 Powell, B.C. 1967. Female sexual cycles of Chrysemy spicta & Clemmys insculpta in Nova Scotia, Can. Field-Nat., 81:134-139, 26 recs.
- 21 Chapman, C.N. (Cody). 2020. Nova Scotia Black Ash (Fraxinus nigra) field observations by Confederacy of Mainland Mi'kmaq. Forestry Program, Confederacy of Mainland Mi'kmaq.
- 21 Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.
- 20 Cameron, R.P. 2018. Degelia plumbea records. Nova Scotia Environment.
- 20 Grandtner, M.M. 1971. Ecological Study of the Interior Dunes of West Brackley Beach, Prince Edward Island National Park. Parks Canada, 1: 70. 41 recs.
- 20 LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
- 20 Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
- 19 Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.
- 19 Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.
- 19 NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
- 18 Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.

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- Munro, Marian K. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
- 18 Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
- 18 Neily, T.H. 2012. 2012 Erioderma pedicellatum records in Nova Scotia.
- 17 LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
- 17 McMullin, R.T. 2022. Maritimes lichen records. Canadian Museum of Nature.
- 17 NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
- 16 Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of C. insculpta sightings. Acadia University, Wolfville NS, 88 recs.
- 16 Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
- 16 Canadian Wildlife Service, Atlantic Region. 2010. Piping Plover censuses 2006-09., 35 recs.
- 16 e-Butterfly, 2016. Export of Maritimes records and photos. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
- 16 Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
- McNeil, J.A. 2016. Blandings Turtle (Emydoidea blandingii), Eastern Ribbonsnake (Thamnophis sauritus), Wood Turtle (Glyptemys insculpta), and Snapping Turtle (Chelydra serpentina) sightings, 2016. Mersey Tobeatic Research Institute. 774 records.
- 15 Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
- 15 Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
- 15 Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
- 14 Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
- 14 Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
- Hagerman, Christianne. 2022. Wisgog and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
- 14 Phinney, Lori; Toms, Brad; et. al. 2016. Bank Swallows (Riparia riparia) in Nova Scotia: inventory and assessment of colonies. Merset Tobeiatc Research Institute, 25 recs.
- 14 Richardson, D., Anderson, F., Cameron, R, McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (Anzia colpodes). COSEWIC.
- 14 Spicer, C.D. & Harries, H. 2001. Mount Allison Herbarium Specimens. Mount Allison University, 128 recs.
- 14 Toms, Brad. 2022. Non-Lichen Observations from Lichen SMP and NCC Property Searches. Mersey Tobeatic Research Institute.
- 13 Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
- 13 Robinson, S.L. 2015, 2014 field data.
- 13 Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
- 13 Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
- 12 Basquill, S.P. 2010, Plant data from Prince Edward Island National Park Forest Community Plots, Atlantic Canada Conservation Data Centre, 150 records.
- 12 Doucet, D.A. 2009. Census of Globally Rare, Endemic Butterflies of Nova Scotia Gulf of St Lawrence Salt Marshes. Nova Scotia Dept of Natural Resources, Species at Risk, 155 recs.
- McMullin, R.T.; van Miltenburg, N.; Atkinson, K.-L.; Ayles, P. 2022. A Provisional List of the Lichens and Allied Fungi of Prince Edward Island National Park. Canadian Museum of Nature, 37 pp.
- 12 Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
- 12 Spicer, C.D. 2002, Fieldwork 2002, Atlantic Canada Conservation Data Centre, Sackville NB, 211 recs.
- 11 Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
- 11 Klymko, J. 2021. Atlantic Canada Conservation Data Centre zoological fieldwork 2020. Atlantic Canada Conservation Data Centre.
- 11 McLelland, Don. 2021. Orchid observations on PEI. Don McLelland. Pers. comm. to C.S. Blaney.
- 11 Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J; ONHIC, 487 recs.
- 11 White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
- 10 Basquill, S.P. 2012. 2012 rare vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
- 10 Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
- 10 Churchill, J.L.; Walker, J. 2017. Species at Risk Surveys at Correctional Services Canada Properties in Nova Scotia and New Brunswick. Atlantic Canada Conservation Data Centre.
- 10 Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort (Isoetes prototypus). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
- 10 Klymko, J.J.D. 2016. 2015 field data. Atlantic Canada Conservation Data Centre.
- McMullin, R.T. 2015. Prince Edward Island's lichen biodiversity and proposed conservation status in a report prepared for the province of PEI. Biodiversity Institute of Ontario Herbarium, University of Guelph, 776 records
- 10 Zahavich, J. 2018. Canada Warbler and Olive-sided Flycatcher records 2018. Island Nature Trust, 14 recs.
- Zahavich, J.L. 2020. Canada Warbler, Olive-sided Flycatcher and Eastern Wood-Pewee observations, Prince Edward Island, 2017-2019. Island Nature Trust.
- 9 Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
- 9 Blaney, C.S. 2019. Sean Blaney 2019 field data. Atlantic Canada Conservation Data Centre, 4407 records.
- 9 Blaney, C.S.: Mazerolle, D.M. 2011, Fieldwork 2011, Atlantic Canada Conservation Data Centre, Sackville NB.
- 9 Cameron-MacMillan, Maureen. 2020. Northern Goshawk Nests in Eastern Nova Scotia, as of November, 2020. Nova Scotia Department of Lands and Forestry.
- 9 Cameron, R.P. 2005. Erioderma pedicellatum unpublished data. NS Dept of Environment, 9 recs.
- 9 Cameron, R.P. 2006. Erioderma pedicellatum 2006 field data. NS Dept of Environment, 9 recs.
- 9 Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
- 9 O'Neil, S. 1998. Atlantic Salmon: Northumberland Strait Nova Scotia part of SFA 18. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-08. 9 recs.
- 9 Stewart, J.I. 2010. Peregrine Falcon Surveys in New Brunswick, 2002-09. Canadian Wildlife Service, Sackville, 58 recs.
- 9 Webster, R.P. Atlantic Forestry Centre Insect Collection, Maritimes butterfly records. Natural Resources Canada. 2014.
- 8 Cameron, R.P. 2012. Rob Cameron 2012 vascular plant data. NS Department of Environment, 30 recs.
- 8 Curley, F.R. 2007. PEF&W Collection. PEI Fish & Wildlife Div., 199 recs.
- 8 Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.

Data Report 7620: Six Mile Brook, NS
Page 22 of 24

- 8 MacArthur, M.E.L. 1976. An Ecological Study of the Greenwich Sand Dune System, M.Sc. Thesis. Department of Biology, Acadia University, Wolfville NS, 98 recs.
- MacQuarrie, K.E., H. Schaefer, and K. Schoenrank. 2001. A Floral inventory of the Central and Schooner Pond Areas of Greenwich, Prince Edward Island National Park. Parks Canada Agency, Parks Canada Technical Reports in Ecosystem Science, No 030.
- 8 Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
- Mersey Tobetic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobetic Research Institute, 72 records.
- 8 Porter, Caitlin, 2021, Field data for 2020 in various locations across the Maritimes, Atlantic Canada Conservation Data Centre, 3977 records.
- Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
- Belland, R.J. 2012. PEI moss records from Devonian Botanical Garden. DBG Cryptogam Database, Web site: https://secure.devonian.ualberta.ca/bryo_search.php 748 recs.
- 7 Benjamin, L.K. 2009. Boreal Felt Lichen. Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
- 7 Brazner, J. 2016. Nova Scotia Forested Wetland Bird Surveys, Nova Scotia Department of Lands and Forestry.
- 7 Cameron, B. 2006. Hepatica americana Survey at Scotia Mine Site in Gays River, and Discovery of Three Yellow-listed Species. Conestoga-Rovers and Associates, (a consulting firm), october 25. 7 recs.
- Harding, R.W. 2008. Harding Personal Insect Collection 1999-2007. R.W. Harding, 309 recs.
- Hill, N.M. 1994. Status report on the Long's bulrush Scirpus longii in Canada, Committee on the Status of Endangered Wildlife in Canada, 7 recs.
- 7 Hubley, Nicole. 2022. Monarch (Danaus plexippus) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
- 7 Hughes, Cory. 2020. Atlantic Forestry Centre Coccinella transversoguttata collections. Canadian Forest Service, Atlantic Forestry Centre.
- 7 Klymko, J. Dataset of butterfly records at the New Brunswick Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2016.
- 7 McLelland, Don. 2022. Orchid records for Prince Edward Island. Pers. comm.
- 7 Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
- 7 Neily, T.H. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. T.H. Neily, Atlantic Canada Conservation Data Centre.
 - Neily, Tom. 2020. Lichen surveys for PEI Forested Landscapes Priority Place. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 158 records.
- 7 Robinson, S.L. 2011. 2011 ND dune survey field data. Atlantic Canada Conservation Data Centre, 2715 recs.
- 7 Sabine, D.L. 2013. Dwaine Sabine butterfly records, 2009 and earlier.
- 7 Taylor, B.R., and Tam, J.C. 2012. Local distribution of the rare plant Triosteum aurantiacum in northeastern Nova Scotia, Canada. Rhodora, 114(960): 366-382.
- 6 Blaney, C.S.; Mazerolle, D.M. 2009. Fieldwork 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
- 6 Doucet, D.A. 2007. Lepidopteran Records, 1988-2006. Doucet, 700 recs.
- 6 Gallop, John. 2021. Sheet Harbour rare lichen observations. McCallum Environmental.
- 6 Hall, R. 2008. Rare plant records in old fieldbook notes from Truro area. Pers. comm. to C.S. Blaney. 6 recs, 6 recs.
- 6 Kelly, G. 2005. Fraxinus nigra, Dept of Agricuture, Fisheries, Aguaculture & Forestry, Pers, comm. to C.S. Blaney, Mar. 2, 11 recs.
- 6 Mazerolle, D.M. 2020. Atlantic Canada Conservation Data Centre botanical fieldwork 2019. Atlantic Canada Conservation Data Centre.
 - Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
- 6 Spicer, C.D. 2004. Specimens from CWS Herbarium, Mount Allison Herbarium Database. Mount Allison University, 5939 recs.
- 6 Stevens, C. 1999, Cam Stevens field data from PEI vegetation plots, Sent along with specimens to C.S. Blaney, UNB masters research project, 732 recs.
- White, S. 2019, Notable species sightings, 2018, East Coast Aquatics.
- 5 Amirault, D.L. 1997-2000. Unpublished files. Canadian Wildlife Service, Sackville, 470 recs.
- 5 Blaney, C.S. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
- 5 Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
- 5 Daury, R.W. & Bateman, M.C. 1996. The Barrow's Goldeneye (Bucephala islandica) in the Atlantic Provinces and Maine. Canadian Wildlife Service, Sackville, 47pp.
- 5 Dibblee, R.L. 1999. PEI Cormorant Survey. Prince Edward Island Fisheries, Aquaculture & Environment, 1p. 21 recs.
- 5 Erskine, A.J. 1999. Maritime Nest Records Scheme (MNRS) 1937-1999. Canadian Wildlife Service, Sackville, 313 recs.
- 5 Feltham, Carter. 2022. Monarch (Danaus plexippus) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
- 5 Giberson, D. 2008. UPEI Insect Collection. University of Prince Edward Island, 157 recs.
- 5 Holder, M.L.; Kingsley, A.L. 2000. Kinglsey and Holder observations from 2000 field work.
- 5 Klymko, J.J.D. 2018. 2017 field data. Atlantic Canada Conservation Data Centre.
- 5 Majka, C.G. 2008. Lepidoptera at St Patricks, 1993-2007. Pers. comm. to R. Curley, 8 Jan. 29 recs, 29 recs.
- 5 Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
- 5 Prince Edward Island National Park, 2014. Prince Edward Island National Park Herbarium, Parks Canada Agency, PEINP, 39 recs.
- 5 Richardson, D., Anderson, F., Cameron, R, Pepper, C., Clayden, S. 2015. Field Work Report on the Wrinkled Shingle lichen (Pannaria lurida). COSEWIC.
- 5 Smith, M.E.M. 2008. AgCan Collection. Agriculture Canada, Charlottetown PE, 44 recs.
- 5 Towell, C. 2014, 2014 Northern Goshawk and Common Nighthawk email reports, NS, NS Department of Natural Resources.
- Walker, J. 2017. Bird inventories at French River, NS, and Memramcook, NB, for Nature Conservancy of Canada. Pers. comm. to AC CDC.
- 4 Blanev, C.S. 2016, Atlantic Canada Conservation Data Centre Fieldwork 2016, Atlantic Canada Conservation Data Centre, 6719 recs.
- 4 Bredin, K.A. 2002. NS Freshwater Mussel Fieldwork. Atlantic Canada Conservation Data Centere, 30 recs.
- Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
- 4 e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
- 4 MacQuarrie, K. 1991-1999. Site survey files, maps. Island Nature Trust, Charlottetown PE, 60 recs.
- 4 Mazerolle, D.M. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
- 4 McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
- 4 O'Neil, S. 1998. Atlantic Salmon: Eastern Shore Nova Scotia SFA 20. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-10. 4 recs.
- 4 Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.

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recs CITATION

3

- 4 Sollows, M.C., 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada).
- Bagnell, B.A. 2001. New Brunswick Bryophyte Occurrences. B&B Botanical, Sussex, 478 recs.
- Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
- 3 Benedict, B. Connell Herbarium Specimens (Data). University New Brunswick, Fredericton. 2003.
- 3 Benjamin, L.K. 2006. Cypripedium arietinum. Pers. comm. to D. Mazerolle. 9 recs, 9 recs.
- 3 Blaney, C.S. Miscellaneous specimens received by ACCDC (botany). Various persons. 2001-08.
- Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
- 3 Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.
- 3 Calhoun, J.C. Butterfly records databased at the McGuire Center for Lepidoptera and Biodiversity. Calhoun, J.C. 2020.
- 3 Clayden, S.R. 2007, NBM Science Collections databases; vascular plants, New Brunswick Museum, Saint John NB, download Mar, 2007, 6914 recs.
- 3 Gagnon, J. 2004. Specimen data from 2002 visit to Prince Edward Island. , 104 recs.
- 3 Klymko, J.J.D. 2011. Insect fieldwork & submissions, 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 742 recs.
- Mersey Tobeatic Research Institute. 2022. Nova Scotia Bobolink observations. pers. comm. to J. Churchill.
- 3 Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database Update. Mersey Tobeatic Research Institute, 14 recs.
- Neily, T.H. 2016. Email communication (May 6, 2016) to Sean Blaney regarding Fissidens exilis observations made in 2016 in Nova Scotia. Pers. Comm., 3 recs.
- 3 Parker, M. 2016. Wood turtle (Glyptemys insculpta) Visual Surveys at Black, Wallace, Musquodobit and Sackville Rivers, Nova Scotia. East Coast Aquatics Inc., 3 records.
- Standley, L.A. 2002. Carex haydenii in Nova Scotia., Pers. comm. to C.S. Blaney. 4 recs.
- Thompson, R. 2018. Williamsdale Quarry Expansion Project, NS, Environmental Assessment rare plants. Dexter Construction Company Limited.
- 2 Amirault, D.L. 2003. 2003 Peregrine Falcon Survey. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
- 2 Basquill, S.P. 2012. 2012 Bryophyte specimen data. Nova Scotia Department of Natural Resources, 37 recs.
- 2 Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
- 2 Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
- 2 Cameron, B. 2005. C. palmicola, E. pedicellatum records from Sixth Lake. Pers. comm. to C.S. Blaney. 3 recs, 3 recs.
- 2 Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.
- 2 Chapman, Cody. Unreported Species at Risk Records across Nova Scotia. Chapman, Cody, 5 records.
- 2 COSEWIC (Committee on the Status of Wildlife in Canada). 2013. COSEWIC Assessment and Status Report on the Eastern Waterfan Peltigera hydrothyria in Canada. COSEWIC, 46 pp.
- 2 Curley, F.R. 2003. Glen Kelly records for Betula pumila & Asclepias syriaca on PEI., Pers. comm. to C.S. Blaney. 9 recs.
- de Graaf, M.; Miller, D. 2020. Records of Cypripedium reginae and Equisetum variegatum from CFI property at Scoudouc Road and Symplocarpus foetidus from CFI properties at Upper Cape, Westmorland County, NB. pers. comm. (ed.) Community Forests International, 4 records.
- Frittaion, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
- 2 Giroux, P. 2013. Personal communication concerning species at risk in and around PEI NP, PE. Winter 2013. Pers. comm.
- 2 Hill, N. 2003. Floerkea proserpinacoides at Heatherdale, Antigonish Co. 2002. Pers. comm. to C.S. Blanev. 2 recs.
- 2 Layberry, R.A. 2012. Lepidopteran records for the Maritimes, 1974-2008. Layberry Collection, 1060 recs.
- 2 Macaulay, M. Notes on newly discovered Hepatica nobilis var. obtusa population in Cumberland Co. NS. Pers. comm. to S. Blaney, 1 rec.
- 2 Neily, T.H.; Smith, C.; Whitman, E. 2011. NCC Logging Lake (Halifax Co. NS) properties baseline survey data. Nature Conservancy of Canada, 2 recs.
- 2 Speers, L. 2001. Butterflies of Canada database. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 190 recs.
- Thomas, H.H., Jones, G.S. & Diblee, R.L. 1980. Sorex palustris on Prince Edward Island. Can. Field Nat., vol 94:329-331. 2 recs.
- 2 Webster, R.P. & Edsall, J. 2007. 2005 New Brunswick Rare Butterfly Survey. Environmental Trust Fund, unpublished report, 232 recs.
- Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
- Zahavich, J. 2017. Canada Warbler and Olive-sided Flycatcher records 2017. Island Nature Trust, 14 recs.
- 1 Amirault, D.L. 2005. 2005 Peregrine Falcon Survey. Canadian Wildlife Service, Sackville, unpublished data. 27 recs.
- Amiro, Peter G. 1998. Atlantic Salmon: Inner Bay of Fundy SFA 22 & part of SFA 23. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-12. 4 recs.
- 1 Atlantic Canada Bank Swallow Working Group. 2022. 2021 Bank Swallow colony records. Birds Canada.
- 1 Basquill, S.P. 2009. 2009 field observations. Nova Scotia Dept of Natural Resources.
- 1 Bateman, M.C. & Prescott, W.H. 1984. The Mammals of Prince Edward Island National Park. Canadian Wildife Service, vol 2:5. 3 recs.
- Belland, R.J. 2012. PEI moss records from New York Botanical Garden. NYBG Virtual Herbarium, Web site: http://sciweb.nybg.org/science2/vii2.asp 135 recs.
- 1 Belliveau, A.G. E.C. Smith Herbarium Specimen Database 2019. E.C. Smith Herbarium, Acadia University. 2019.
- Benedict, B. Connell Herbarium Specimens, University New Brunswick, Fredericton, 2003.
- Blaney, C.S. & Mazerolle, D.M. 2011. Field data from NCC properties at Musquash Harbour NB & Goose Lake NS. Atlantic Canada Conservation Data Centre, 1739 recs.
- Bonnyman, Vanessa. 2021. Eastern Wood-Pewee Observation on Bonshaw Trail, PEI.
- Bruce, J. 2014, 2014 Wood Turtle email report, Nine Mile River, NS, NS Department of Natural Resources,
- 1 Cairns, D. 1998. Atlantic Salmon: Prince Edward Island SFA 17. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-07. 1 rec.
- Cameron, R.P. 2009. Nova Scotia nonvascular plant observations, 1995-2007. Nova Scotia Dept Natural Resources, 27 recs.
- 1 Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
- 1 Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre, 907 recs.
- 1 Clayden, S.R. 2006. Pseudevernia cladonia records. NB Museum. Pers. comm. to S. Blaney, Dec, 4 recs.
- 1 Clayden, S.R. 2020. Email to Sean Blaney regarding Pilophorus cereus and P. fibula at Fidele Lake area, Charlotte County, NB. pers. comm., 2 records.
- 1 Curley, F.R. 2021. Nymphalis I-album record from near Belfast PEI. Pers. comm. to J. Klymko.
- 1 Doucet, D.A. 2007. PEI National Park Odonata Survey. Parks Canada, PEI National Park, 1 rec.

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CITATION # recs Doucet, D.A. ACCDC Reference Collection. Atlantic Canada Conservation Data Centre, Sackville NB. 2008. Eastman, A. 2019. Snapping Turtle observation at Brookfield, Colchester Co. NS. Halifax Field Naturalists Nova Scotia Nature Archive Facebook Page, 1 record. Edsall, J. 2001. Lepidopteran records in New Brunswick, 1997-99. , Pers. comm. to K.A. Bredin. 91 recs. Gagnon, J. 2003. Prince Edward Island plant records. Societe de la faune et des parcs Quebec, 13 recs. Golder Associates Ltd. 2021. Black Ash location from Goff's Quarry Expansion Environment Assessment, 2017. Golder Associates Ltd., 1 record. Harling, L. & Silva, M. 2004. Abundance & species richness of shrews within forested habitats on PEI. Am. Midl. Nat., 151:399-407. 2 recs. Harris, Megan. 2018. Miscellaneous Sorex palustris record. Pers. comm. to S. Blaney. Haughian, S.R. 2018. Description of Fuscopannaria leucosticta field work in 2017. New Brunswick Museum, 314 recs. Hill, N.M. 2021. Observation of Carex havdenii and black ash near Marshy Hope and Ponhook Lake, pers. comm. Hinds, H.R. 1989, Greenwich, Blooming Point plant collections in Plant locations, Pers. Comm. to Robin Day (Ag. Can), 2pp. 8 recs. 8 recs. Honeyman, K. 2019. Unique Areas Database, 2018. J.D. Irving Ltd. Jacques Whitford Ltd. 2003. Cananda Lily location. Pers. Comm. to S. Blaney. 2pp, 1 rec, 1 rec. Jardine, Don. 2022, Email to AC CDC reporting an Evening Grosbeak Sighting in Winsloe South, PEI, pers. comm. Kelly, Glen 2004. Botanical records from 2004 PEI Forestry fieldwork. Dept of Environment, Energy & Forestry, 71 recs. Klymko, J. Henry Hensel's Butterfly Collection Database. Atlantic Canada Conservation Data Centre. 2016. Klymko, J. Partial database of the Agriculture Canada Charlottetown Research Station Insect Collection butterfly specimens. Atlantic Canada Conservation Data Centre. 2016. Klymko, J.J.D. 2010. Miscellaneous observations reported to ACCDC (zoology). Pers. comm. from various persons, 3 recs. Klymko, J.J.D. 2012. Insect field work & submissions. Atlantic Canada Conservation Data Centre, 852 recs. Macauley, M. 2008. Email to Sean Blaney regarding rich hardwood floodplain site at Howards Pool, Wallace River, NS. MacAuley, M. 2020. Email to Sean Blaney regarding Agalinis paupercula var. parviflora at Malagash Station, NS. pers. comm., 2 records. MacPhail, V. Bee and syrphid specimens from MSc research. Pers. comm., J. Klymko. 2006. MacQuarrie, K. and R. Sharkie. 2004. Plant lists for selected areas at Brackley and Dalvay, Prince Edward Island National Park. Island Nature Trust, 168 recs. Mazerolle, D.M. 2005. Bouctouche Irving Eco-Centre rare coastal plant fieldwork results 2004-05. Irving Eco-centre, la Dune du Bouctouche, 174 recs. McAlpine, D.F. 1998. NBM Science Collections databases to 1998. New Brunswick Museum, Saint John NB, 241 recs. McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute. Neily, P.D. Plant Specimens. Nova Scotia Dept Natural Resources, Truro. 2006. Neily, T.H. & Pepper, C.; Toms, B. 2019. Boreal Felt Lichen Observation, April 2019. Mersey Tobeatic Research Institute. Neily, T.H. 2013. Email communication to Sean Blaney regarding Agalinis paupercula observations made in 2013 in Nova Scotia. , 1 rec. Oehlke, W. 1999. Record of Polygonia satyrus from Prince Edward Island. http://www.silkmoths.bizland.com/ppsatyr.htm. Parker, M. 2018. East Coast Aquatics ACCDC 2018 Report. East Coast Aquatics, 12 records. Parks Canada, 2010, Specimens in or near National Parks in Atlantic Canada, Canadian National Museum, 3925 recs. Payzant, P. 2018. Satvr Comma record from Bible Hill, NS, https://novascotiabutterflies.ca. Quigley, E.J. 2021. Email to Sean Blaney regarding Eastern White Cedar (Thuia occidentalis) stand near Shinimicas Bridge, NSDLF, 1 record. Robinson, C.B. 1907. Early intervale flora of eastern Nova Scotia. Transactions of the Nova Scotia Institute of Science, 10:502-506. 1 rec. Sabine, M. 2016. NB DNR staff incidental Black Ash observations. New Brunswick Department of Natural Resources. Shortt, R. UNB specimen data for various tracked species formerly considered secure. Connell Memorial Herbarium, UNB, Fredericton NB. 2019. Skevington, Jeffrey H. 2020. Syrphid records used for the Field Guide to the Flower Flies of Northeastern North America. Canadian National Collection of Insects. Stephen Freeman. 2022. New location for Black Ash in Queens County, NS. Personal communication, 2. te Raa, J. 2016. Island Naturalist. Nature PEI, 219. 1 WIlliams, M. Cape Breton University Digital Herbarium. Cape Breton University Digital Herbarium. 2013. Wilson, G. 2013. 2013 Snapping Turtle email report, Wentworth, NS. Pers. comm.



APPENDIX D. PLANT LIST



Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)
Galium mollugo	Smooth Bedstraw	SNA	-	-	No
Ribes hirtellum	Smooth Gooseberry	S5	-	-	No
Viola cucullata	Marsh Blue Violet	S5	-	-	No
Cardamine pensylvanica	Pennsylvania Bittercress	S5	-	-	No
Alnus alnobetula	Green Alder	S5	-	-	No
Carex intumescens	Bladder Sedge	S5	-	-	No
Carex interior	Inland Sedge	S4S5	-	-	No
Carex leptalea	Bristly-stalked Sedge	S5	-	-	No
Chrysosplenium americanum	American Golden Saxifrage	S5	-	-	No
Carex gynandra	Nodding Sedge	S5	-	-	No
Equisetum sylvaticum	Woodland Horsetail	S5	-	-	No
Ribes lacustre	Bristly Black Currant	S5	-	-	No
Senecio vulgaris	Common Ragwort	SNA	-	-	No
Cornus canadensis	Bunchberry	S5	-	-	No
Juncus effusus	Soft Rush	S5	-	-	No
Typha latifolia	Broad-leaved Cattail	S5	-	-	No
Myosotis spp.	Forget me not	-	-	-	-
Carex stipata	Awl-fruited Sedge	S5	-	-	No
Claytosmunda claytoniana	Interrupted Fern	S5	-	-	No
Pinus strobus	Eastern White Pine	S5	-	-	No
Linnaea borealis	Twinflower	S5	-	-	No
Mitchella repens	Partridgeberry	S5	-	-	No
Spiraea alba	White Meadowsweet	S5	-	-	No
Ilex mucronata	Mountain Holly	S5	-	-	No
Chamaedaphne calyculata	Leatherleaf	S5	-	-	No
Frangula alnus	Glossy Buckthorn	SNA	-	-	Yes
Scirpus cyperinus	Common Woolly Bulrush	S5	-	-	No
Scirpus microcarpus	Small-fruited Bulrush	S5	-	-	No



Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)
Athyrium filix-femina	Common Lady Fern	S5	-	-	No
Carex disperma	Two-seeded Sedge	S5	-	-	No
Persicaria sagittata	Arrow-leaved Smartweed	S5	-	-	No
Viola macloskeyi	Small White Violet	S5	-	-	No
Gaylussacia baccata	Black Huckleberry	S5	-	-	No
Cornus sericea	Red Osier Dogwood	S5	-	-	No
Monotropa uniflora	Convulsion-Root	S5	-	-	No
Viburnum cassinoides	Northern Wild Raisin	S5	-	-	No
Ostrya virginiana	Ironwood	S4S5	-	-	No
Cornus alternifolia	Alternate-leaved Dogwood	S5	-	-	No
Populus grandidentata	Large-toothed Aspen	S5	-	-	No
Populus tremuloides	Trembling Aspen	S5	-	-	No
Betula alleghaniensis	Yellow Birch	S5	-	-	No
Betula papyrifera	Paper Birch	S5	-	-	No
Acer saccharum	Sugar Maple	S4S5	-	-	No
Maianthemum racemosum	Large False Solomon's Seal	S4S5	-	-	No
Fraxinus americana	White Ash	S4	-	-	No
Diervilla lonicera	Northern Bush Honeysuckle	S5	-	-	No
Prunus serotina	Black Cherry	S5	-	-	No
Hieracium lachenalii	Common Hawkweed	SNA	-	-	No
Ranunculus repens	Creeping Buttercup	SNA	-	-	Yes
Impatiens spp.	Jewelweed spp.	-	-	-	-
Corylus cornuta ssp. cornuta	Beaked Hazelnut	S5	-	-	No
Matteuccia struthiopteris	Ostrich Fern	S5	-	-	No
Solidago flexicaulis	Zigzag Goldenrod	S5	-	-	No
Thalictrum pubescens	Tall Meadow-Rue	S5	-	-	No
Equisetum pratense	Meadow Horsetail	S3S4	-	-	No
Tussilago farfara	Coltsfoot	SNA	-	-	Yes



Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)
Carex scabrata	Rough Sedge	S5	-	-	No
Parthenocissus quinquefolia	Virginia Creeper	SNA	-	-	Yes
Galium spp.	Bedstraw	-	-	-	-
Carex gracillima	Graceful Sedge	S5	-	-	No
Dennstaedtia punctilobula	Eastern Hay-Scented Fern	S5	-	-	No
Lathyrus spp.	Vetchling	-	-	-	-
Tsuga canadensis	Eastern Hemlock	S4	-	-	No
Trillium cernuum	Nodding Trillium	S4	-	-	No
Abies balsamea	Balsam Fir	S5	-	-	No
Polystichum acrostichoides	Christmas Fern	S5	-	-	No
Viburnum lantanoides	Hobblebush	S4	-	-	No
Picea rubens	Red Spruce	S5	-	-	No
Acer pensylvanicum	Striped Maple	S5	-	-	No
Ranunculus recurvatus	Hooked Buttercup	S4	-	-	No
Onoclea sensibilis	Sensitive Fern	S5	-	-	No
Geranium robertianum	Herb Robert	S4	-	-	No
Nabalus altissimus	Tall Rattlesnakeroot	S5	-	-	No
Taraxacum officinale	Common Dandelion	SNA	-	-	No
Rumex obtusifolius	Bitter Dock	SNA	-	-	No
Fragaria virginiana	Wild Strawberry	S5	-	-	No
Rubus idaeus	Red Raspberry	S5	-	-	No
Chamaenerion angustifolium ssp. angustifolium	Fireweed	SNA	-	-	No
Aquilegia vulgaris	European Columbine	SNA	-	-	No
Salix eriocephala	Cottony Willow	S5	-	-	No
Geum rivale	Water Avens	S5	-	-	No
Geum macrophyllum	Large-Leaved Avens	S5	-	-	No
Clintonia borealis	Yellow Bluebead Lily	S5	-	-	No
Maianthemum canadense	Wild Lily-of-The-Valley	S5	-	-	No







Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)
Pteridium aquilinum	Bracken Fern	S5	-	-	No
Lysimachia borealis	Northern Starflower	S5	-	-	No
Gymnocarpium dryopteris	Common Oak Fern	S5	-	-	No
Sambucus canadensis	Common Elderberry	S5	-	-	No
Solanum dulcamara	Bittersweet Nightshade	SNA	-	-	No
Betula populifolia	Gray Birch	S5	-	-	No
Acer rubrum	Red Maple	S5	-	-	No
Amelanchier spp.	Serviceberry	-	-	-	-
Aralia nudicaulis	Wild Sarsaparilla	S5	-	-	No
Amauropeta noveboracensis	New York Fern	S5	-	-	No
Sorbus decora	Showy Mountain Ash	S4	-	-	No
Fagus grandifolia	American Beech	S3S4	-	-	No
Lonicera canadensis	Canada Fly Honeysuckle	S5	-	-	No
Medeola virginiana	Cucumber Root	S5	-	-	No
Dryopteris carthusiana	Spinulose Wood Fern	S5	-	-	No
Carex arctata	Black Sedge	S5	-	-	No
Anaphalis margaritacea	Pearly Everlasting	S5	-	-	No
Alnus incana	Speckled Alder	S5	-	-	No
Carduus spp.	Thistle	-	-	-	-
Rosa multiflora	Multiflora Rose	SNA	-	-	Yes
Lupinus spp.	Lupine	-	-	-	-
Rubus canadensis	Smooth Blackberry	S5	-	-	No
Sisyrinchium montanum	Mountain Blue-eyed-grass	S5	-	-	No
Vaccinium angustifolium	Late Lowbush Blueberry	S5	-	-	No
Veronica serpyllifolia	Thyme-Leaved Speedwell	SU	-	-	No
Plantago lanceolata	English Plantain	SNA	-	-	No
Sambucus racemosa	Red Elderberry	S5	-	-	No
Ribes glandulosum	Skunk Currant	S5	-	-	No



Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)
Osmundastrum cinnamomeum	Cinnamon Fern	S5	-	-	No
Prunus nigra	Canada Plum	SNA	-	-	No
Oenothera biennis	Common Evening Primrose	S5	-	-	No
Morella pensylvanica	Northern Bayberry	S5	-	-	No
Malus domestica	Common Apple	SNA	-	-	No
Dryopteris cristata	Crested Wood Fern	S5	-	-	No
Oxalis montana	Common Wood Sorrel	S5	-	-	No
Plantago major	Common Plantain	SNA	-	-	No
Trifolium pratense	Red Clover	SNA	-	-	No
Hypericum perforatum	Common St. John's-wort	SNA	-	-	No
Bellis perennis	English Daisy	SNA	-	-	No
Crataegus monogyna	English Hawthorn	SNA	-	-	Yes
Verbascum thapsus	Common Muellin	SNA	-	-	No
Achillea millefolium	Common Yarrow	SNA	-	-	No
Daucus carota	Queen Anne's Lace	SNA	-	-	No
Symphyotrichum lateriflorum	Calico Aster	S5	-	-	0
Solidago rugosa	Rough-stemmed Goldenrod	S5	-	-	No
Oclemena acuminata	Whorled Wood Aster	S5	-	-	No
Oclemena nemoralis	Bog Aster	S5	-	-	No
Solidago puberula	Downy Goldenrod	S5	-	-	No
Juncus effusus	Soft Rush	S5	-	-	Yes
Vicia cracca	Tufted Vetch	SNA	-	-	0
Rudbeckia hirta	Black-Eyed Susan	SNA	-	-	No
Symphyotrichum novi-belgii var. crenifolium	New York Aster	SNR	-	-	0
Solanum dulcamara	Bittersweet Nightshade	SNA	-	-	No
Cornus alternifolia	Alternate-leaved Dogwood	S5	-	-	No
Cornus sericea	Red Osier Dogwood	S5	-	-	No
Persicaria sagittata	Arrow-leaved Smartweed	S5	-	-	No





Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)
Potentilla argentea	Silvery Cinquefoil	SNA	-	-	No
Chelone glabra	White Turtlehead	S5	-	-	Yes
Saponaria officinalis	Bouncing-Bet	SNA	-	-	No
Spiranthes cernua	Nodding Ladies'-Tresses	S4?	-	-	No
Mentha sp.			-	-	
Juncus sp.	-	-	-	-	-
Dryopteris sp.			-	-	
Chrysanthemum spp.	-		-	-	
Potentilla spp.			-	-	
		Lichens			
Melanholeana septrentionalis	Northern Camouflage Lichen	S2S3			
Fuscopannaria sorediata		S2S3	-	-	
Melanohalea olivacea	Spotted Camouflage Lichen	S3S4	-	-	
Stereocaulon dactylophyllum	Finger Foam Lichen	S5			
Lobaria pulmonaria	Lungwort Lichen	S5			
Lobaria scrobiculata	Textured Lungwort Lichen	S5			
Cladonia boryi	Fishnet Lichen	S5			
Ricasolia quercizans	Smooth Lung lichen	S5			
Menegazzia subsimilis	Tree Flute lichen	S4S5			
Cladonia macilenta	Lipstick Powderhorn Lichen	S4S5			
Cladonia rei	Wand Lichen	S5			
Cladonia stellaris	Star-tipped Reindeer Lichen	S5			
Pseudocyphellaria holarctica	Yellow Specklebelly Lichen	S5			
Parmelia sulcata	Hammered shield lichen	S5			
Parmelia squarrosa	Bottlebrush Shield Lichen	S5			
Protopannaria pezizoides	Brown-gray Moss-shingle Lichen	S5			
Lecanora caesiorubella	A Lichen	S5			
Dibaeis baeomyces	Methuselah's beard lichen	S5	<u>-</u>	-	_









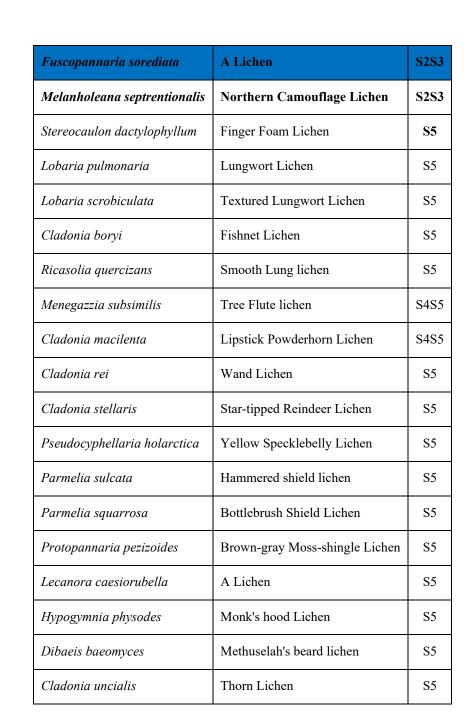
Scientific Name	Common Name	SRank	SARA	NSESA	Invasive (Yes/No)		
Cladonia uncialis	Thorn Lichen	S5	-	-	-		
Cladonia verticillata	Ladder Lichen	S5	-	-	-		
Peltigera aphthosa	Common Freckle Pelt Lichen	S5	-	-	-		
Bryophytes							
Pleurozium schreberi	Red-stemmed Feather Moss	S5	-	-	-		
Hylocomium splendens	Stairstep Moss	S5	-	-	-		
Sphagnum capillifolium	Northern Peatmoss	S5	-	-	-		
Polytrichum commune	Common Haircap Moss	S5	-	-	-		
Bazzania tribolata	Three-lobed Whipwort	S5	-	-	-		

NOTE: Priority species are **bolded**.









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