

Draft - Potential Priority Plant / Lichen Species for 113 Study Area based on Previous Studies; 2008 ACCDC (100 km) data and 2008 SARA/NSESA/COSEWIC Listings and Potential Habitat Present

Species	Name	SARA (or COSEWIC*) Status and Sched. and NSESA Status or General DNR Status¹	Habitat² (nearby reference locations)	Flowers²
<i>Betula michauxii</i>	Dwarf Birch	NSDNR yellow	Peat and sphagnum bogs	Jun-Jul.
<i>Bidens connata</i>	Purple-stem swamp-beggar-ticks	NSDNR yellow	Boggy swale, border of pond/ditch, thicket, swale, behind brackish swale	Aug.-Sept.
<i>Bidens (Megalondonata) beckii</i>	Beck water-marigold	NSDNR yellow	Shallow, quiet water, slow stream/pond	Aug-Sept.
<i>Botrychium simplex</i>	Least grape-fern	NSDNR yellow	Lake/ mossy stream edge and variety	Late May-Jun.
<i>Campanula aparinoides</i>	Marsh bellflower	NSDNR yellow	Meadow, ditch, river bank	Aug.
<i>Cardamine parviflora</i>	Small-flower bitter-cress	NSDNR yellow	Dry wood, shaded ledge, sandy soil	Apr.-Aug.
<i>Carex adusta</i>	Crowded sedge	NSDNR yellow	Dry open woods, gravel, rock, clearing, acidic	Jun.-Sept.
<i>Carex comosa</i>	Bristly sedge	NSDNR yellow	Swamps and shallow water	Jun.-Aug.
<i>Carex tenera</i>	Slender sedge	NSDNR yellow	Meadow, woodland, opening	late May-Aug.
<i>Clethra alnifolia</i>	Coast pepper-bush	NSDNR yellow	Headwater lakeshore, swamp, thicket, sandy woods	late Sept.-Oct.
<i>Conioselinum chinense</i>	Hemlock Parsley	NSDNR yellow	Swamp, mossy coniferous woods/swale, seepy slope near coast	Aug-Oct.
<i>Eleocharis flavescens (olivacea)</i>	Capitate spikerush	NSDNR yellow	Peaty bog muck, wet sandy shore/swale	Jun.-Oct.
<i>Empetrum eamesii</i>	Rock Crowberry	NSDNR yellow	Headland bog barren	Jul-Nov.
<i>Epilobium coloratum</i>	Purple-leaf willow herb	NSDNR yellow	Low-lying ground, springy slope	Jul-Oct.
<i>Epilobium strictum</i>	Downy willow-herb	NSDNR yellow	Boggy areas and meadows	Jul.-Sept.
<i>Erioderma pedicellatum</i>	Boreal Felt Lichen	SARA Endangered Sched. 1 NSESA Endangered	Moist balsam fir forests. Limited potential at site, small treed area on point.	Na – visible year round
<i>Eriophorum gracile</i>	Slender cotton-grass	NSDNR yellow	Wet peat, inundated shore	Early summer
<i>Euthamia caroliniana</i>	Goldenrod sp.	NSDNR Yellow	Dry sandy soil, beach	Aug-Sept.
<i>Fraxinus nigra</i>	Black ash	NSDNR Yellow	Low ground, damp wood, swamp	May-Jun.
<i>Fraxinus pennsylvanica</i>	Ash	NSDNR Red	Near lake or pond, low-lying area	May (visible year-round)
<i>Goodyera pubescens</i>	Downy rattlesnake-plantain	NSDNR Red	Woodlands and thickets	Jul-Aug.
<i>Helianthemum canadense</i>	Rock-rose	NSDNR Red NSESA Endangered	Sandy plains/barrens. Record unlikely to be local	June-early Jul.
<i>Hudsonia ericoides</i>	Golden-heather	NSDNR Yellow	Dry rocky sandy barrens, disturbed sandy soil	Late May-early Jul.
<i>Hypericum majus</i>	Canada St. Johnswort	NSDNR Red	Wet or dry open soil	July-Sept.
<i>Isoetes acadensis</i>	Acadian quillwort	NSDNR Yellow	Bordering lake, pond occasionally river, up to 1 m deep	Spring - summer
<i>Lactuca hirsuta</i>	Hairy Wild Lettuce	NSDNR Yellow	Dry open woods and cut-over	July-Sept.
<i>Listera australis</i>	Southern Twayblade	NSDNR Red	Red maple swale, wetland	Late Jun.-Jul.
<i>Minuartia groenlandica</i>	Mountain sandwort	NSDNR Yellow	Granite ledges, gravel, on coast at higher elevation – known for the general area, including a patch potentially within the ROW	June-Aug.
<i>Myriophyllum farwellii</i>	Water-milfoil	NSDNR Yellow	Ponds and slow moving stream	June-Sept.

Species	Name	SARA (or COSEWIC*) Status and Sched. and NSESA Status or General DNR Status ¹	Habitat ² (nearby reference locations)	Flowers ²
<i>Ophioglossum pusillum</i>	Adder's tongue	NSDNR Yellow	Acid soil, ditch, old field	Late May-Aug.
<i>Panicum philadelphicum</i>	Philadelphia panic grass	NSDNR Yellow	Floodplain, bog, sandy shore, cranberry bog	Jun.-Oct.
<i>Polygala sanguinea</i>	Field milkwort	NSDNR Yellow	Poor acidic field, damp slope, open woods/bush	Late Jun.-Oct.
<i>Potamogeton zosteriformis</i>	Flatstem pondweed	NSDNR Yellow	Shallow lake, river	Jul.-Sept.
<i>Pseudevernia cladonia</i>	Ghost Antler	Special Concern (not SARA listed yet)	Lichen on trees typically red spruce, black spruce or balsam fir -Low elevation along Fundy and Atlantic coast – records in the Halifax area.	Year-round
<i>Rudbeckia laciniata</i>	Cut-leaved coneflower	NSDNR Yellow	Swale, swamp	Aug.
<i>Salix sericea</i>	Silky willow	NSDNR Yellow	Wet thicket, stream edge, marsh	Early summer
<i>Sclerophora peronella</i>	Frosted Glass-whiskers	Special Concern Sched. 1	Lichen on trees typically hardwoods – mature and old growth northern forests.	Year-round
<i>Symphyotrichum ciliolatus</i>	Lindleys Aster	NSDNR Yellow	open field, lawn, wood edge	Aug.-Sept.
<i>Symphyotrichum undulatum</i>	Aster sp.	NSDNR Yellow	Woods, field, barrens	Aug-Sept.
<i>Thuja occidentalis</i>	Eastern White Cedar	NSESA Vulnerable	Cedar swamps, ornamental cedar not considered at risk.	Year-round
<i>Vaccinium cespitosum (caespitosum)</i>	Dwarf Blueberry	NSDNR Yellow	Rocky substrate, acidic soils, cliffs, rocks	Late May to mid June
<i>Vaccinium uliginosum</i>	Alpine blueberry	NSDNR Yellow	Dry or wet organic or not acid soils	summer

1. NSDNR Status of Nova Scotia Wildlife - Red at risk, Yellow sensitive, Green stable

2. Zinck 1998, Pronych and Wilson 1993

Draft - Potential Priority Animal Species for 113 Study Area based on Previous Studies; 2008 ACCDC (100 km) data and 2008 SARA/NSESA/COSEWIC Listings and Potential Habitat Present

Common Name	SARA (or COSEWIC*) Status and Sched. and NSESA Status	NSDNR Status	Habitat Preference	Timing for Investigation
INVERTEBRATES				
Bog Elfin (<i>Callophrys (Incisalia) lanoraieensis</i>)	na	Red	Tamarack and black spruce bogs	Summer
Brook Floater (<i>Alasmidonta varicose</i>)	na	Yellow	Riffles, rocky, gravel, sand bottom	Summer
Clamp-tipped emerald (<i>Somatochlora tenebrosa</i>)	na	Yellow	Shady forest stream trickle to 2 m partly dry and occasionally boggy or swampy	Late June -early Sept.
Harlequin Darner (<i>Gomphaeschna furcillata</i>)	na	Yellow	Alder Swamp, bog	Late May-early July
Little Bluet (<i>Enallagma minusculum</i>)	na	Yellow	Pond, lake shore	Spring - Fall
Monarch Butterfly (<i>Danaus plexippus</i>)	Special Concern Sched. 1	n/a	Migrates through area, feeds on milkweed or similar wildflower; Canadian habitat not vulnerable.	Late summer
Prince Baskettail (<i>Epitheca princeps</i>)	na	Yellow	Slow moving water	Early Jun. to late Aug.
BIRDS				
Arctic Tern (<i>Sterna paradisaea</i>)	na	Yellow	Nest offshore but may feed inland along lake shores	Summer
Canada Warbler (<i>Wilsonia Canadensis</i>)	Threatened (not SARA listed yet)	n/a	Mid aged mixed forest.	Nest - June
Common Loon (<i>Gavia immer</i>)	na	Yellow	May nest in around adjacent lakes.	Summer
Common Nighthawk (<i>Chordeiles minor</i>)	Threatened (not SARA listed yet) Threatened	Yellow	Nest -sparsely vegetated or bare ground (cutover/burns, building roof)	Nest - June-July
Common Tern (<i>Sterna hirundo</i>)	na	Yellow	Nest offshore but may feed inland along lake shores	Summer
Eastern Bluebird (<i>Sialia sialis</i>)	na	Yellow	Woodpecker holes forage low vegetation with scattered trees clear-cut near forest, favour broad-leaf	Nest- May-July
Northern Goshawk (<i>Accipiter gentilis</i>)	na	Yellow	Woodland species	Nest -Apr.-May
Olivesided Flycatcher (<i>Contopus cooperi</i>)	Threatened (not SARA listed yet)	-	Open forest – conifers or mixed.	Nest – June-Jul.
Rusty Blackbird (<i>Euphagus carolinus</i>)	Special Concern (not SARA listed yet)	n/a	Nests in swamps and bogs along sluggish streams.	Nest - May-July
FISH				
Atlantic salmon	na	Red	Gravel bottomed streams, rivers	Late summer/fall
American eel (<i>Anguilla rostrata</i>)	Special Concern (not SARA listed yet)	Green	Fresh water streams for adults. Migrate to sea to spawn.	Non-winter
Brook trout (<i>Salvelinus fontinalis</i>)	na	Yellow	Streams, brooks	Late summer/fall
Gaspereau (<i>Alosa pseudoharengus</i>)	na	Yellow	Spawn above head of tide in rivers, stillwater, lake	Spring-summer
Herptiles				
Snapping turtle (<i>Chelydra serpentina</i>)	Special Concern (not SARA listed yet)	Green	Vegetated lakes and streams, nest on sand / gravel	Non-winter
Wood turtle (<i>Glyptemys insculpta</i>)	Threatened, Vulnerable	Yellow	Nest on gravel bank near river, overwinter in pools, clear streams	Late spring
MAMMALS				
Eastern Pipistrelle (<i>Pipistrellus subflavus</i>)	na	Yellow	Hibernate in caves, may feed in area	Summer - fall
Mainland Moose** (<i>Alces alces american</i>)	n/a Endangered	Red	Forest – occasionally enter city area.	n/a
Northern Myotis (<i>Myotis spetentrionalis</i>)	na	Yellow	Hibernate dense forest and caves, may feed in area	Summer - fall

