

5.2 APPENDIX B: NS ENDANGERED SPECIES ACT LIST

Scientific Name	Common Name	NS ESA	Relevance	Notes
<i>Martes americana</i>	American Marten	Endangered	Low	Mostly found in Cape Breton, Mainland Population Extirpated. ¹
<i>Coregonus huntsmani</i>	Atlantic Whitefish	Endangered	Low	Only found in the Tusket and Petite Riviere watersheds. ¹
<i>Riparia riparia</i>	Bank Swallow	Endangered	Mod.	Prefers nesting in vertical banks, so less suitable for nesting, but they like open fields, meadows, or wetlands for catching flying insects. ¹
<i>Hirundo rustica</i>	<i>Barn Swallow</i>	Endangered	High	Nests on artificial structures such as barns, often in open areas like meadows and wetlands where they forage for insects. ^{1 2}
<i>Catharus bicknelli</i>	Bicknell's Thrush	Endangered	Low	Restricted to high-altitude forests in Cape Breton. ¹
<i>Fraxinus nigra</i>	Black Ash	Threatened	Low	This species requires poorly drained soils and wet areas like riverbanks. While it thrives in swampy mixed woodlands, the site's conditions do not match its primary habitat. No white ash which it is often associated with. ¹
<i>Anzia colpodes</i>	Black Foam Lichen	Threatened	Mod.	Prefers high moisture and increased light in forests, often on mature trees like Red Maple. Its specific habitat conditions are not met on-site as the swampy area is early-mature stage and spruce dominated, but fits the VT. ³
<i>Emydoidea blandingii</i>	Blanding's Turtle	Endangered	Low	Mostly found near Kejimikujik National Park, the site's wetland conditions could support this species, which prefers fens, shallow lake coves, and slow-moving streams. ¹
<i>Pectenaria plumbea</i>	Blue Felt Lichen	Vulnerable	Mod.	Found on mature broad-leaved trees (maple, ash, and birch) in moist habitats near streams and lakes. Less likely on-site but could be in the forests near the site. ¹
<i>Dolichonyx oryzivorus</i>	Bobolink	Vulnerable	Low	Favours grassy habitats but is more common in northern Nova Scotia. ¹
<i>Erioderma pedicullatum</i>	Boreal Felt Lichen	Endangered	Low	Boreal Felt Lichen is most commonly in Coastal Forests than Acadian forest types. It also prefers north-facing mature balsam fir trees and cool, moist habitats. ¹
<i>Alasmidonta varicosa</i>	Brook Floater	Threatened	Low	Prefers freshwater streams and rivers with moderate to high water flow and a rocky, cobbled bottom. ¹
<i>Lynx canadensis</i>	Canada Lynx	Endangered	Low	Restricted to Cape Breton, they inhabit mountainous and hilly areas with dense forests. ¹
<i>Cardellina canadensis</i>	<i>Canada Warbler</i>	Endangered	High	Likes wet deciduous forests with a dense under-story, such as those found in marshy areas. ^{1 4}
<i>Chaetura pelagica</i>	Chimney Swift	Endangered	High	Prefers nesting in chimneys or similar structures, and forages in open areas with abundant insects, such as wetlands. ¹

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<i>Chordeiles minor</i>	Common Nighthawk	Threatened	High	Typically inhabits open, disturbed habitats. While it can occasionally be found in meadows or grasslands, it prefers environments that offer unobstructed aerial foraging opportunities. Golf courses can mimic some of the disturbed or post-fire landscapes Nighthawks favour, providing flat, unobstructed areas ideal for nesting or roosting. ¹
<i>Baccharis hamifolia</i>	Eastern Baccharis	Threatened	Low	Typically found in salt marshes along the extreme southwest of Nova Scotia. ¹
<i>Lilaeopsis chinensis</i>	Eastern Lilaeopsis	Vulnerable	Low	Grows in narrow estuaries at the mouths of large rivers. ¹
<i>Geum peckii</i>	Eastern Mountain Avens	Endangered	Low	Only found on Digby Neck and Brier Island. ¹
<i>Thamnophis sauritus</i>	Eastern Ribbonsnake	Threatened	Low	Found in slow-flowing wetlands with abundant vegetation in the southwestern part of NS. ¹
<i>Peltigera hydrothyria</i>	Eastern Waterfan	Threatened	Low	Only 6 occurrences in NS. Typically found in partially shaded streams often near white ash. ¹
<i>Antrostomus vociferus</i>	Eastern Whip-poor-will	Threatened	Low	This species avoids dense forests, favouring semi-open or patchy forest areas with clearings. ¹
<i>Thuja occidentalis</i>	Eastern White Cedar	Vulnerable	Low	Typically found on the coast around the Digby area. ¹
<i>Contopus virens</i>	Eastern Wood-Pewee	Vulnerable	Mod.	Prefers deciduous and mixed wood forest edges and clearings (with Sugar Maple, Oak and Poplar tree species); often near lakes, rivers or wetlands. ¹
<i>Coccothraustes vespertinus</i>	<i>Evening Grosbeak</i>	Vulnerable	High	Prefers mature mixed and softwood boreal forests with abundant fir or spruce trees. ⁵
<i>Lophiola aurea</i>	Golden-crest	Vulnerable	Low	Found in fens and along shorelines of lakes, typically in more undisturbed, wetland habitats further West in NS. ¹
<i>Bombus bohemicus</i>	Gypsy Cuckoo Bumble Bee	Endangered	Low	Occurs in a variety of open habitats like meadows. It lays its eggs in nests made by other bumble bees so it mainly relies on the distribution and abundance of host bees. Has not been found in NS in over 20 years. ⁶
<i>Historonicus historonicus</i>	Harlequin Duck	Endangered	Low	Prefers coastal habitats, typically found along rocky shorelines or tidal flats. ¹
<i>Salix candida</i>	Hoary Willow	Endangered	Low	Typically found in calcareous fens, which are specialized wetland habitat. Known occurrences in Inverness County, Cape Breton. ¹
<i>Myotis lucifugus</i>	Little Brown Myotis	Endangered	High	A bat species that roosts in buildings and mature trees with cavities. They forage along forested edges, fields, and near water. ¹
<i>Scirpus longii</i>	Long's Bulrush	Vulnerable	Low	Found in southwestern NS's peatland and lakeshore habitats. ¹
<i>Epeoloides pilosulus</i>	Macropis Cuckoo Bee	Endangered	Mod.	Prefers open wetlands with specific plants like Swamp Candle and Fringed Loosestrife. This species is reliant on the host bee species <i>Macropis nudarequire</i> sandy, well-drained soils nearby to create tunnelled nests. ¹

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<i>Danaus plexippus</i>	<i>Monarch</i>	Endangered	Low	Found in open fields and meadows rich with wildflowers, including roadsides and gardens. ^{1 7}
<i>Alces alces americana</i>	Moose (Mainland Population)	Endangered	Mod.	Found in boreal and mixed wood forests near wetlands, favouring areas with abundant food sources like young deciduous trees. The site is close but not in the mainland moose population concentration area. ¹
<i>Juncus caesariensis</i>	New Jersey Rush	Vulnerable	Low	Restricted to bogs and fens in Cape Breton. ¹
<i>Myotis septentrionalis</i>	Northern Myotis	Endangered	High	This bat prefers mature forests with large trees containing cavities, and roosts in both deciduous and coniferous forests, often near streams and water. ¹
<i>Contopus cooperi</i>	Olive-sided Flycatcher	Threatened	High	Prefers forest edges, wetlands, and bogs, often found in disturbed areas such as post-fire landscapes. ¹
<i>Falco peregrinus anatum</i>	Peregrine Falcon	Vulnerable	Mod.	Known to nest on cliffs or tall structures near open areas such as wetlands, meadows, and coastlines. ¹
<i>Coreopsis rosea</i>	Pink Coreopsis	Endangered	Low	Found on the shorelines of specific lakes in Yarmouth County. ¹
<i>Charadrius melodioides</i>	Piping Plover	Endangered	Low	Prefers coastal sand or pebble beaches, and tidal flats. ¹
<i>Sabatia kennedyana</i>	Plymouth Gentian	Endangered	Low	Specific to the shorelines in the Tusket River watershed. ¹
<i>Isoetes macrospora</i>	Prototype Quillwort	Vulnerable	Low	Requires deep, nutrient-poor, spring-fed lakes. ¹
<i>Cypripedium arietinum</i>	Ram's-head Lady Slipper	Endangered	Low	Known to occur in gypsum bedrock areas with sinkholes and steep slopes in Hants and Cumberland counties. ¹
<i>Calidris canutus rufa</i> subspecies	Red Knot	Endangered	Low	Found in coastal areas with large sandflats or mudflats. ¹
<i>Lachnanthes caroliniana</i>	Redroot	Vulnerable	Low	Occurs along the shores of lakes in southwestern NS. ¹
<i>Helianthus canadense</i>	Rockrose (Canada Frostweed)	Endangered	Low	Prefers sand barren habitats. ¹
<i>Sterna dougallii</i>	Roseate Tern	Endangered	Low	Requires coastal islands free of dense vegetation for nesting. ¹
<i>Euphagus carolinus</i>	Rusty Blackbird	Endangered	High	Known to breed in wetlands, including coniferous wooded streams, swamps, and bogs. ¹
<i>Lasioglossum sablense</i>	Sable Island Sweat Bee	Threatened	Low	This species is found exclusively on Sable Island. ¹
<i>Chelydra serpentina</i>	<i>Snapping Turtle</i>	Vulnerable	Mod.	Found in freshwater lakes, streams, and wetlands, they prefer slow-moving water with aquatic vegetation. ^{1 8}
<i>Potamogeton pulcher</i>	Spotted Pondweed	Vulnerable	Low	Prefers still or slow-moving freshwater lakes with specific bottom types. ¹
<i>Clethra alnifolia</i>	Sweet Pepperbush	Vulnerable	Low	Typically grows on shrubby lakeshore banks in southwestern NS. ¹
<i>Rhynchospora macrostachya</i>	Tall beakrush	Endangered	Low	Prefers lakeshore environments. ¹
<i>Drosera filiformis</i>	Thread-leaved Sundew	Endangered	Low	Found in bogs at the southwestern point of NS. ¹

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<i>Coccinella transversoguttata</i>	Transverse Lady Beetle	Endangered	Mod.	A generalist that can be found in many habitat types, reliant on seasonal aphid populations and appropriate vegetation. ⁹
<i>Perimyotis subflavus</i>	Tri-colored Bat	Endangered	Mod.	Roosts in lichen clumps, typically in forests or edge habitats with water bodies. ¹
<i>Eleocharis tuberculosa</i>	Tuberclad Spikerush	Vulnerable	Low	Occurs on lakeshores in southwestern NS, preferring undisturbed wetlands or lake environments. ¹
<i>Erioderma mollissimum</i>	Vole Ears Lichen	Endangered	Low	Prefers foggy, humid, cool, coniferous or mixed forests, especially near coastal areas with high rainfall ¹ .
<i>Hydrocotyle umbellata</i>	Water Pennywort	Endangered	Low	Known to occur in Southwest NS. The species is found on the shorelines of lakes and streams in wetland habitats ¹ .
<i>Clemmys insculpta</i>	Wood Turtle	Threatened	Mod.	Found in rivers and tributaries with clear, slow-moving water and riparian vegetation. They nest in sandy bars or gravel areas ¹ .
<i>Pannaria lurida</i>	Wrinkled Shingle Lichen	Threatened	High	Found on mature deciduous tree species, often Red Maple trees, in imperfectly drained habitats near swamps or floodplains. ¹⁰
<i>Lampsilis cariosa</i>	Yellow Lampmussel	Threatened	Low	Only known in specific lakes, such as Potter Lake in Cape Breton and lower Saint John River in New Brunswick ¹ .
<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Vulnerable	Mod.	Found in mixed woodlands and boreal habitats. It relies on a variety of plants for pollen and nectar and typically nests underground in pre-existing cavities. ¹¹

STATUS CATEGORIES

Endangered	a species facing imminent extirpation or extinction
Threatened	a species likely to become endangered if limiting factors are not reversed
Vulnerable	a species of special concern because of characteristics that make it particularly sensitive to human activities or natural events
Extirpated	a species that no longer exists in the wild in the Province but exists in the wild outside the Province
Extinct	a species that no longer exists

*Species ***Italicized*** are in the species AC CDC recorded within 2km of the subject site.

References

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