

APPENDIX L  
ACCDC REPORT – INDUSTRIAL FACILITY

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# DATA REPORT 7308: Point Tupper, NS

Prepared 5 July 2022  
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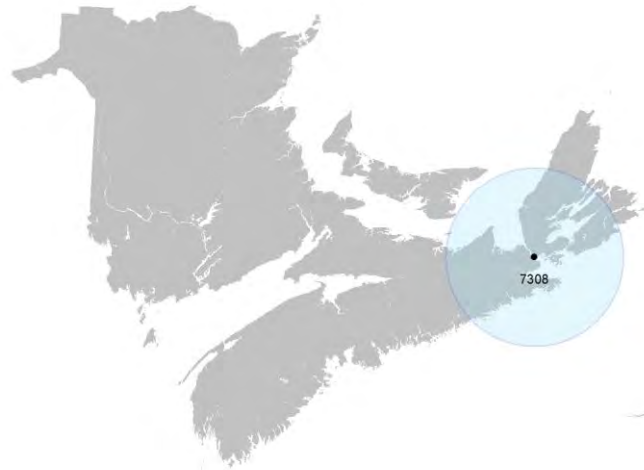
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**Map 1.** A 100 km buffer around the study area

## 1.0 PREFACE

The Atlantic Canada Conservation Data Centre (AC CDC; [www.accdc.com](http://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:

#### Filename

PtTupperNS\_7308ob.xls  
PtTupperNS\_7308ob100km.xls  
PtTupperNS\_7308msa.xls  
PtTupperNS\_7308bp.xls

#### Contents

Rare or legally-protected Flora and Fauna in your study area  
A list of Rare and legally protected Flora and Fauna within 100 km of your study area  
Managed and Biologically Significant Areas in your study area  
Rare and common Pelagic Birds in your study area (CWS database)

## 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:

|  |                 |   |                |  |
|--|-----------------|---|----------------|--|
| <b>Plants, Lichens, Ranking Methods, All other Inquiries</b> | Sean Blaney     | Senior Scientist / Executive Director       | (506) 364-2658 | <a href="mailto:sean.blaney@accdc.ca">sean.blaney@accdc.ca</a>         |
| <b>Animals (Fauna)</b>                                       | John Klymko     | Zoologist                                   | (506) 364-2660 | <a href="mailto:john.klymko@accdc.ca">john.klymko@accdc.ca</a>         |
| <b>Data Management, GIS</b>                                  | James Churchill | Conservation Data Analyst / Field Biologist |                | <a href="mailto:james.churchill@accdc.ca">james.churchill@accdc.ca</a> |
| <b>Billing</b>   | Jean Breau      | Financial Manager / Executive Assistant     | (506) 364-2657 | <a href="mailto:jean.breau@accdc.ca">jean.breau@accdc.ca</a>           |

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.

**New Brunswick.** For information about rare taxa, protected areas, game animals, deer yards, old growth forests, archeological sites, fish habitat etc., or to determine if location-sensitive species (section 4.3) occur near your study site, please contact Hubert Askanas, Energy and Resource Development: (506) 453-5873.

**Nova Scotia.** For information about Species at Risk or general questions about Nova Scotia location-sensitive species please contact the Biodiversity Program at [biodiversity@novascotia.ca](mailto:biodiversity@novascotia.ca). For questions about protected areas, game animals, deer yards, old growth forests, archeological sites, fish habitat etc., or to determine if location-sensitive species (section 4.3) occur near your study site please contact a Regional Biologist:

|                         |                           |                |  |
|-------------------------|---------------------------|----------------|--|
| <b>DIGB, ANNA, KING</b> | Emma Vost                 | (902) 670-8187 | <a href="mailto:Emma.Vost@novascotia.ca">Emma.Vost@novascotia.ca</a>                                 |
| <b>SHEL, YARM</b>       | Sian Wilson               | (902) 930-2978 | <a href="mailto:Sian.Wilson@novascotia.ca">Sian.Wilson@novascotia.ca</a>                             |
| <b>QUEE, LUNE</b>       | Peter Kydd                | (902) 523-0969 | <a href="mailto:Peter.Kydd@novascotia.ca">Peter.Kydd@novascotia.ca</a>                               |
| <b>HALI, HANT</b>       | Shavonne Meyer            | (902) 893-0816 | <a href="mailto:Shavonne.Meyer@novascotia.ca">Shavonne.Meyer@novascotia.ca</a>                       |
| <b>Central Region</b>   | Jolene Laverty            | (902) 324-8953 | <a href="mailto:Jolene.Laverty@novascotia.ca">Jolene.Laverty@novascotia.ca</a>                       |
| <b>COLC, CUMB</b>       | Kimberly George           | (902) 890-1046 | <a href="mailto:Kimberly.George@novascotia.ca">Kimberly.George@novascotia.ca</a>                     |
| <b>ANTI, GUYS</b>       | Harrison Moore            | (902) 497-4119 | <a href="mailto:Harrison.Moore@novascotia.ca">Harrison.Moore@novascotia.ca</a>                       |
| <b>INVE, VICT</b>       | Maureen Cameron-MacMillan | (902) 295-2554 | <a href="mailto:Maureen.Cameron-MacMillan@novascotia.ca">Maureen.Cameron-MacMillan@novascotia.ca</a> |
| <b>CAPE, RICH, PICT</b> | Elizabeth Walsh           | (902) 563-3370 | <a href="mailto:Elizabeth.Walsh@novascotia.ca">Elizabeth.Walsh@novascotia.ca</a>                     |

**Prince Edward Island.** For information about rare taxa, protected areas, game animals, fish habitat etc., please contact Garry Gregory, PEI Department of Environment, Energy and Climate Action: (902) 569-7595.

## 2.0 RARE AND ENDANGERED SPECIES

### 2.1 FLORA

The study area contains 26 records of 6 vascular, 4 records of 3 nonvascular flora (Map 2 and attached: \*ob.xls).

### 2.2 FAUNA

The study area contains 82 records of 25 vertebrate, no records of invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

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



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

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

### 3.0 SPECIAL AREAS

#### 3.1 MANAGED AREAS

The GIS scan identified 2 managed areas 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.



Managed Area Significant Area

## 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) |
|---|---|-----------------------------------|-----------------|-----------------|-----------------|------------------|--------|---------------|
| N | <i>Pectenia plumbea</i>                             | Blue Felt Lichen                  | Special Concern | Special Concern | Vulnerable      | S3               | 2      | 3.4 $\pm$ 3.0 |
| N | <i>Polychidium muscicola</i>                        | Eyed Mossstorns Woollybear Lichen |                 |                 |                 | S1               | 1      | 4.6 $\pm$ 0.0 |
| N | <i>Heterodermia neglecta</i>                        | Fringe Lichen                     |                 |                 |                 | S3S4             | 1      | 4.7 $\pm$ 0.0 |
| P | <i>Salix pellita</i>                                | Satiny Willow                     |                 |                 |                 | S2S3             | 1      | 4.5 $\pm$ 1.0 |
| P | <i>Senecio pseudoarnica</i>                         | Seabeach Ragwort                  |                 |                 |                 | S3               | 1      | 4.2 $\pm$ 1.0 |
| P | <i>Neottia bifolia</i>                              | Southern Twayblade                |                 |                 |                 | S3               | 2      | 1.4 $\pm$ 0.0 |
| P | <i>Atriplex glabriuscula</i> var. <i>franktonii</i> | Frankton's Saltbush               |                 |                 |                 | S3S4             | 1      | 2.2 $\pm$ 0.0 |
| P | <i>Geocaulon lividum</i>                            | Northern Comandra                 |                 |                 |                 | S3S4             | 19     | 1.3 $\pm$ 0.0 |
| P | <i>Diphasiastrum sitchense</i>                      | Sitka Ground-cedar                |                 |                 |                 | S3S4             | 2      | 4.9 $\pm$ 0.0 |

### 4.2 FAUNA

|   | Scientific Name                   | Common Name            | COSEWIC         | SARA            | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km)  |
|---|-----------------------------------|------------------------|-----------------|-----------------|-----------------|------------------|--------|----------------|
| A | <i>Hirundo rustica</i>            | Barn Swallow           | Special Concern | Threatened      | Endangered      | S3B              | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Cardellina canadensis</i>      | Canada Warbler         | Special Concern | Threatened      | Endangered      | S3B              | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Chordeiles minor</i>           | Common Nighthawk       | Special Concern | Threatened      | Threatened      | S3B              | 6      | 1.0 $\pm$ 0.0  |
| A | <i>Contopus cooperi</i>           | Olive-sided Flycatcher | Special Concern | Threatened      | Threatened      | S3B              | 9      | 0.4 $\pm$ 0.0  |
| A | <i>Coccythraustes vespertinus</i> | Evening Grosbeak       | Special Concern | Special Concern | Vulnerable      | S3B,S3N,S3M      | 1      | 4.5 $\pm$ 7.0  |
| A | <i>Sterna hirundo</i>             | Common Tern            | Not At Risk     |                 |                 | S3B              | 4      | 4.5 $\pm$ 7.0  |
| A | <i>Rallus limicola</i>            | Virginia Rail          |                 |                 |                 | S2S3B            | 2      | 3.6 $\pm$ 0.0  |
| A | <i>Bucephala clangula</i>         | Common Goldeneye       |                 |                 |                 | S2S3B,S5N,S5M    | 1      | 0.8 $\pm$ 9.0  |
| A | <i>Perisoreus canadensis</i>      | Canada Jay             |                 |                 |                 | S3               | 3      | 4.5 $\pm$ 7.0  |
| A | <i>Poecile hudsonicus</i>         | Boreal Chickadee       |                 |                 |                 | S3               | 13     | 4.0 $\pm$ 0.0  |
| A | <i>Spinus pinus</i>               | Pine Siskin            |                 |                 |                 | S3               | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Spatula discors</i>            | Blue-winged Teal       |                 |                 |                 | S3B              | 1      | 4.5 $\pm$ 7.0  |
| A | <i>Charadrius vociferus</i>       | Killdeer               |                 |                 |                 | S3B              | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Tringa semipalmata</i>         | Willet                 |                 |                 |                 | S3B              | 1      | 4.5 $\pm$ 7.0  |
| A | <i>Pheucticus ludovicianus</i>    | Rose-breasted Grosbeak |                 |                 |                 | S3B              | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Falco sparverius</i>           | American Kestrel       |                 |                 |                 | S3B,S4S5M        | 4      | 4.5 $\pm$ 7.0  |
| A | <i>Gallinago delicata</i>         | Wilson's Snipe         |                 |                 |                 | S3B,S5M          | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Setophaga striata</i>          | Blackpoll Warbler      |                 |                 |                 | S3B,S5M          | 1      | 4.5 $\pm$ 7.0  |
| A | <i>Cardellina pusilla</i>         | Wilson's Warbler       |                 |                 |                 | S3B,S5M          | 4      | 1.0 $\pm$ 0.0  |
| A | <i>Pinicola enucleator</i>        | Pine Grosbeak          |                 |                 |                 | S3B,S5N,S5M      | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Botaurus lentiginosus</i>      | American Bittern       |                 |                 |                 | S3S4B,S4S5M      | 2      | 4.5 $\pm$ 7.0  |
| A | <i>Setophaga castanea</i>         | Bay-breasted Warbler   |                 |                 |                 | S3S4B,S4S5M      | 3      | 4.5 $\pm$ 7.0  |
| A | <i>Actitis macularius</i>         | Spotted Sandpiper      |                 |                 |                 | S3S4B,S5M        | 9      | 4.5 $\pm$ 7.0  |
| A | <i>Leiothlypis peregrina</i>      | Tennessee Warbler      |                 |                 |                 | S3S4B,S5M        | 3      | 4.5 $\pm$ 7.0  |
| A | <i>Calidris maritima</i>          | Purple Sandpiper       |                 |                 |                 | S3S4N            | 1      | 3.9 $\pm$ 10.0 |



### 4.3 LOCATION SENSITIVE SPECIES

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

#### Nova Scotia

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

<sup>1</sup> *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  |
|--------|---|
| 54     | Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.  |
| 22     | Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.  |
| 21     | LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.   |
| 6      | Canadian Wildlife Service. 2011. Eastern Canada Seabirds at Sea (ECSAS), 3.27 Ed. Environment Canada, 305,783 recs.   |
| 4      | Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.  |
| 2      | Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.   |
| 2      | Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.  |
| 2      | Nova Scotia Dept Natural Resources, Forestry Branch. 2007. Restricted & Limited Use Land Database (RLUL). , <a href="http://www.gov.ns.ca/natr/FORESTRY/rul/downloadrul.htm">http://www.gov.ns.ca/natr/FORESTRY/rul/downloadrul.htm</a> . |
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| 1      | Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.  |
| 1      | Crowell, M. 2013. email to Sean Blaney regarding <i>Listera australis</i> at Bear Head and Mill Cove Canadian Forces Station. Jacques Whitford Environmental Ltd., 2.   |
| 1      | Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).  |
| 1      | Neily, T.H. & Pepper, C. 2020. Nova Scotia SMP lichen surveys 2020. Mersey Tobeatic Research Institute.   |
| 1      | Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.  |

## 5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 21813 records of 143 vertebrate and 583 records of 47 invertebrate fauna; 4693 records of 228 vascular, 2842 records of 120 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 ( $\pm$  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 |
|-----------------|---|--|-----------------|-----------------|-----------------|------------------|--------|-----------------|------|
| A               | <i>Myotis lucifugus</i>                   | Little Brown Myotis  | Endangered      | Endangered      | Endangered      | S1               | 62     | 6.2 $\pm$ 0.0   | NS   |
| A               | <i>Salmo salar pop. 4</i>                 | Atlantic Salmon - Eastern Cape Breton population                   | Endangered      |                 |                 | S1               | 36     | 8.8 $\pm$ 0.0   | NS   |
| A               | <i>Salmo salar pop. 6</i>                 | Atlantic Salmon - Nova Scotia Southern Upland population           | Endangered      |                 |                 | S1               | 23     | 11.7 $\pm$ 1.0  | NS   |
| A               | <i>Eubalaena glacialis</i>                | North Atlantic Right Whale   | Endangered      | Endangered      |                 | S1               | 1      | 75.5 $\pm$ 1.0  | NS   |
| A               | <i>Charadrius melodus melodus</i>         | Piping Plover melodus subspecies                                   | Endangered      | Endangered      | Endangered      | S1B              | 671    | 17.3 $\pm$ 0.0  | NS   |
| A               | <i>Sterna dougallii</i>                   | Roseate Tern   | Endangered      | Endangered      | Endangered      | S1B              | 67     | 32.3 $\pm$ 7.0  | NS   |
| A               | <i>Dermochelys coriacea pop. 2</i>        | Leatherback Sea Turtle - Atlantic population                       | Endangered      | Endangered      |                 | S1S2N            | 2      | 11.9 $\pm$ 0.0  | NS   |
| A               | <i>Pagophila eburnea</i>                  | Ivory Gull   | Endangered      | Endangered      |                 | SNA              | 1      | 45.1 $\pm$ 0.0  | NS   |
| A               | <i>Antrostomus vociferus</i>              | Eastern Whip-Poor-Will   | Threatened      | Threatened      | Threatened      | S1?B             | 3      | 49.4 $\pm$ 7.0  | NS   |
| A               | <i>Catharus bicknelli</i>                 | Bicknell's Thrush  | Threatened      | Threatened      | Endangered      | S1B              | 17     | 34.9 $\pm$ 7.0  | NS   |
| A               | <i>Asio flammeus</i>                      | Short-eared Owl  | Threatened      | Special Concern |                 | S1B              | 5      | 48.5 $\pm$ 0.0  | NS   |
| A               | <i>Glyptemys insculpta</i>                | Wood Turtle  | Threatened      | Threatened      | Threatened      | S2               | 3875   | 2.2 $\pm$ 10.0  | NS   |
| A               | <i>Riparia riparia</i>                    | Bank Swallow   | Threatened      | Threatened      | Endangered      | S2B              | 644    | 16.2 $\pm$ 7.0  | NS   |
| A               | <i>Chaetura pelagica</i>                  | Chimney Swift  | Threatened      | Threatened      | Endangered      | S2S3B,S1M        | 131    | 22.4 $\pm$ 7.0  | NS   |
| A               | <i>Limosa haemastica</i>                  | Hudsonian Godwit   | Threatened      |                 |                 | S2S3M            | 7      | 47.4 $\pm$ 0.0  | NS   |
| A               | <i>Acipenser oxyrinchus</i>               | Atlantic Sturgeon  | Threatened      |                 |                 | S2S3N            | 1      | 86.7 $\pm$ 0.0  | NS   |
| A               | <i>Hydrobates leucorhous</i>              | Leach's Storm-Petrel   | Threatened      |                 |                 | S3B              | 33     | 12.0 $\pm$ 0.0  | NS   |
| A               | <i>Tringa flavipes</i>                    | Lesser Yellowlegs  | Threatened      |                 |                 | S3M              | 228    | 24.5 $\pm$ 0.0  | NS   |
| A               | <i>Anguilla rostrata</i>                  | American Eel   | Threatened      |                 |                 | S3N              | 1      | 44.6 $\pm$ 0.0  | NS   |
| A               | <i>Sturnella magna</i>                    | Eastern Meadowlark   | Threatened      | Threatened      |                 | SHB              | 2      | 32.3 $\pm$ 7.0  | NS   |
| A               | <i>Hylocichla mustelina</i>               | Wood Thrush  | Threatened      | Threatened      |                 | SUB              | 8      | 28.7 $\pm$ 7.0  | NS   |
| A               | <i>Salmo salar pop. 12</i>                | Atlantic Salmon - Gaspé - Southern Gulf of St. Lawrence population | Special Concern |                 |                 | S1               | 20     | 22.4 $\pm$ 1.0  | NS   |
| A               | <i>Passerculus sandwichensis princeps</i> | Ipswich Sparrow  | Special Concern | Special Concern |                 | S1B              | 2      | 48.1 $\pm$ 0.0  | NS   |
| A               | <i>Bucephala islandica</i>                | Barrow's Goldeneye   | Special Concern | Special Concern |                 | S1N,SUM          | 3      | 78.5 $\pm$ 4.0  | NS   |
| A               | <i>Euphagus carolinus</i>                 | Rusty Blackbird  | Special Concern | Special Concern | Endangered      | S2B              | 223    | 8.9 $\pm$ 7.0   | NS   |
| A               | <i>Balaenoptera physalus</i>              | Fin Whale  | Special Concern | Special Concern |                 | S2S3             | 2      | 63.3 $\pm$ 0.0  | NS   |
| A               | <i>Morone saxatilis pop. 1</i>            | Striped Bass - Southern Gulf of St. Lawrence population            | Special Concern |                 |                 | S2S3N            | 1      | 47.4 $\pm$ 1.0  | NS   |
| A               | <i>Histrionicus histrionicus pop. 1</i>   | Harlequin Duck - Eastern population                                | Special Concern | Special Concern | Endangered      | S2S3N,SUM        | 24     | 21.6 $\pm$ 16.0 | NS   |
| A               | <i>Chelydra serpentina</i>                | Snapping Turtle  | Special Concern | Special Concern | Vulnerable      | S3               | 96     | 19.8 $\pm$ 0.0  | NS   |
| A               | <i>Hirundo rustica</i>                    | Barn Swallow   | Special Concern | Threatened      | Endangered      | S3B              | 775    | 4.5 $\pm$ 7.0   | NS   |
| A               | <i>Cardellina canadensis</i>              | Canada Warbler   | Special Concern | Threatened      | Endangered      | S3B              | 570    | 4.5 $\pm$ 7.0   | NS   |
| A               | <i>Chordeiles minor</i>                   | Common Nighthawk   | Special Concern | Threatened      | Threatened      | S3B              | 205    | 1.0 $\pm$ 0.0   | NS   |
| A               | <i>Contopus cooperi</i>                   | Olive-sided Flycatcher   | Special Concern | Threatened      | Threatened      | S3B              | 977    | 0.4 $\pm$ 0.0   | NS   |
| A               | <i>Dolichonyx oryzivorus</i>              | Bobolink   | Special Concern | Threatened      | Vulnerable      | S3B              | 384    | 13.5 $\pm$ 7.0  | NS   |
| A               | <i>Coccothraustes vespertinus</i>         | Evening Grosbeak   | Special Concern | Special Concern | Vulnerable      | S3B,S3N,S3M      | 724    | 4.5 $\pm$ 7.0   | NS   |
| A               | <i>Podiceps auritus</i>                   | Horned Grebe   | Special Concern | Special Concern |                 | S3N,SUM          | 9      | 12.0 $\pm$ 0.0  | NS   |



| Taxonomic Group | Scientific Name                        | Common Name  | COSEWIC         | SARA            | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|--|--|-----------------|-----------------|-----------------|------------------|--------|---------------|------|
| A               | <i>Contopus virens</i>                 | Eastern Wood-Pewee   | Special Concern | Special Concern | Vulnerable      | S3S4B            | 472    | 10.0 ± 7.0    | NS   |
| A               | <i>Phocoena phocoena</i>               | Harbour Porpoise   | Special Concern |                 |                 | S4               | 1      | 12.2 ± 0.0    | NS   |
| A               | <i>Chrysemys picta picta</i>           | Eastern Painted Turtle   | Special Concern | Special Concern |                 | S4               | 1      | 57.9 ± 1.0    | NS   |
| A               | <i>Calidris subruficollis</i>          | Buff-breasted Sandpiper  | Special Concern | Special Concern |                 | SNA              | 1      | 49.4 ± 0.0    | NS   |
| A               | <i>Ammodramus savannarum pratensis</i> | Grasshopper Sparrow pratensis subspecies                                     | Special Concern | Special Concern |                 | SNA              | 1      | 83.9 ± 4.0    | NS   |
| A               | <i>Fulica americana</i>                | American Coot  | Not At Risk     |                 |                 | S1B              | 3      | 59.7 ± 0.0    | NS   |
| A               | <i>Chlidonias niger</i>                | Black Tern   | Not At Risk     |                 |                 | S1B              | 3      | 35.0 ± 0.0    | NS   |
| A               | <i>Falco peregrinus pop. 1</i>         | Peregrine Falcon - anatum/tundrius   | Not At Risk     | Special Concern | Vulnerable      | S1B,SUM          | 5      | 10.0 ± 7.0    | NS   |
| A               | <i>Sorex dispar</i>                    | Long-tailed Shrew  | Not At Risk     |                 |                 | S2               | 7      | 53.6 ± 0.0    | NS   |
| A               | <i>Aegolius funereus</i>               | Boreal Owl   | Not At Risk     |                 |                 | S2?B,SUM         | 7      | 34.3 ± 0.0    | NS   |
| A               | <i>Lynx canadensis</i>                 | Canada Lynx  | Not At Risk     |                 | Endangered      | S2S3             | 41     | 20.7 ± 1.0    | NS   |
| A               | <i>Hemidactylium scutatum</i>          | Four-toed Salamander   | Not At Risk     |                 |                 | S3               | 19     | 6.2 ± 0.0     | NS   |
| A               | <i>Megaptera novaeangliae</i>          | Humpback Whale   | Not At Risk     |                 |                 | S3               | 2      | 12.0 ± 0.0    | NS   |
| A               | <i>Sterna hirundo</i>                  | Common Tern  | Not At Risk     |                 |                 | S3B              | 494    | 4.5 ± 7.0     | NS   |
| A               | <i>Sialia sialis</i>                   | Eastern Bluebird   | Not At Risk     |                 |                 | S3B              | 14     | 16.2 ± 7.0    | NS   |
| A               | <i>Buteo lagopus</i>                   | Rough-legged Hawk  | Not At Risk     |                 |                 | S3N              | 6      | 12.6 ± 0.0    | NS   |
| A               | <i>Accipiter gentilis</i>              | Northern Goshawk   | Not At Risk     |                 |                 | S3S4             | 157    | 8.9 ± 7.0     | NS   |
| A               | <i>Lagenorhynchus acutus</i>           | Atlantic White-sided Dolphin   | Not At Risk     |                 |                 | S3S4             | 4      | 11.7 ± 0.0    | NS   |
| A               | <i>Ammospiza nelsoni</i>               | Nelson's Sparrow   | Not At Risk     |                 |                 | S3S4B            | 95     | 17.9 ± 7.0    | NS   |
| A               | <i>Calidris canutus rufa</i>           | Red Knot rufa subspecies - Tierra del Fuego / Patagonia wintering population | E,SC            | Endangered      | Endangered      | S2M              | 19     | 22.7 ± 0.0    | NS   |
| A               | <i>Morone saxatilis</i>                | Striped Bass   | E,SC            |                 |                 | S2S3B,S2S3N      | 6      | 46.5 ± 0.0    | NS   |
| A               | <i>Alces alces americana</i>           | Moose  |                 |                 | Endangered      | S1               | 78     | 27.1 ± 0.0    | NS   |
| A               | <i>Picoides dorsalis</i>               | American Three-toed Woodpecker   |                 |                 |                 | S1?              | 7      | 40.1 ± 0.0    | NS   |
| A               | <i>Uria aalge</i>                      | Common Murre   |                 |                 |                 | S1?B             | 2      | 36.5 ± 0.0    | NS   |
| A               | <i>Passerina cyanea</i>                | Indigo Bunting   |                 |                 |                 | S1?B,SUM         | 4      | 33.7 ± 0.0    | NS   |
| A               | <i>Nycticorax nycticorax</i>           | Black-crowned Night-heron  |                 |                 |                 | S1B              | 2      | 49.4 ± 7.0    | NS   |
| A               | <i>Oxyura jamaicensis</i>              | Ruddy Duck   |                 |                 |                 | S1B              | 3      | 55.7 ± 0.0    | NS   |
| A               | <i>Myiarchus crinitus</i>              | Great Crested Flycatcher   |                 |                 |                 | S1B              | 1      | 70.2 ± 3.0    | NS   |
| A               | <i>Mimus polyglottos</i>               | Northern Mockingbird   |                 |                 |                 | S1B              | 16     | 6.6 ± 0.0     | NS   |
| A               | <i>Toxostoma rufum</i>                 | Brown Thrasher   |                 |                 |                 | S1B              | 3      | 33.5 ± 0.0    | NS   |
| A               | <i>Charadrius semipalmatus</i>         | Semipalmated Plover  |                 |                 |                 | S1B,S4M          | 249    | 13.1 ± 0.0    | NS   |
| A               | <i>Calidris minutilla</i>              | Least Sandpiper  |                 |                 |                 | S1B,S4M          | 137    | 13.1 ± 0.0    | NS   |
| A               | <i>Larus delawarensis</i>              | Ring-billed Gull   |                 |                 |                 | S1B,S5M          | 2      | 98.5 ± 7.0    | PE   |
| A               | <i>Anas acuta</i>                      | Northern Pintail   |                 |                 |                 | S1B,SUM          | 6      | 41.4 ± 1.0    | NS   |
| A               | <i>Vireo gilvus</i>                    | Warbling Vireo   |                 |                 |                 | S1B,SUM          | 6      | 18.4 ± 7.0    | NS   |
| A               | <i>Vespertilionidae sp.</i>            | bat species  |                 |                 |                 | S1S2             | 103    | 5.1 ± 0.0     | NS   |
| A               | <i>Poocetes gramineus</i>              | Vesper Sparrow   |                 |                 |                 | S1S2B,SUM        | 7      | 18.4 ± 7.0    | NS   |
| A               | <i>Microtus chrotorrhinus</i>          | Rock Vole  |                 |                 |                 | S2               | 10     | 53.6 ± 0.0    | NS   |
| A               | <i>Vireo philadelphicus</i>            | Philadelphia Vireo   |                 |                 |                 | S2?B,SUM         | 12     | 27.1 ± 0.0    | NS   |
| A               | <i>Alca torda</i>                      | Razorbill  |                 |                 |                 | S2B              | 11     | 58.8 ± 0.0    | NS   |
| A               | <i>Cephus grylle</i>                   | Black Guillemot  |                 |                 |                 | S2B              | 1      | 98.5 ± 7.0    | PE   |
| A               | <i>Fratercula arctica</i>              | Atlantic Puffin  |                 |                 |                 | S2B              | 8      | 54.3 ± 0.0    | NS   |
| A               | <i>Empidonax traillii</i>              | Willow Flycatcher  |                 |                 |                 | S2B              | 8      | 46.7 ± 7.0    | NS   |
| A               | <i>Molothrus ater</i>                  | Brown-headed Cowbird   |                 |                 |                 | S2B              | 47     | 8.9 ± 7.0     | NS   |
| A               | <i>Larus argentatus</i>                | Herring Gull   |                 |                 |                 | S2B,S5N          | 1      | 98.5 ± 7.0    | PE   |
| A               | <i>Spatula clypeata</i>                | Northern Shoveler  |                 |                 |                 | S2B,SUM          | 2      | 47.1 ± 0.0    | NS   |
| A               | <i>Mareca strepera</i>                 | Gadwall  |                 |                 |                 | S2B,SUM          | 2      | 36.9 ± 7.0    | NS   |
| A               | <i>Piranga olivacea</i>                | Scarlet Tanager  |                 |                 |                 | S2B,SUM          | 9      | 44.9 ± 7.0    | NS   |
| A               | <i>Calidris alba</i>                   | Sanderling   |                 |                 |                 | S2N,S3M          | 112    | 22.7 ± 0.0    | NS   |
| A               | <i>Martes americana</i>                | American Marten  |                 |                 | Endangered      | S2S3             | 15     | 58.6 ± 1.0    | NS   |
| A               | <i>Asio otus</i>                       | Long-eared Owl   |                 |                 |                 | S2S3             | 26     | 6.1 ± 0.0     | NS   |
| A               | <i>Rallus limicola</i>                 | Virginia Rail  |                 |                 |                 | S2S3B            | 8      | 3.6 ± 0.0     | NS   |
| A               | <i>Rissa tridactyla</i>                | Black-legged Kittiwake   |                 |                 |                 | S2S3B            | 11     | 6.9 ± 3.0     | NS   |

| Taxonomic Group | Scientific Name                     | Common Name              | COSEWIC         | SARA            | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|-------------------------------------|--------------------------|-----------------|-----------------|-----------------|------------------|--------|---------------|------|
| A               | <i>Petrochelidon pyrrhonota</i>     | Cliff Swallow            |                 |                 |                 | S2S3B            | 185    | 13.9 ± 0.0    | NS   |
| A               | <i>Phalacrocorax carbo</i>          | Great Cormorant          |                 |                 |                 | S2S3B,S2S3N      | 156    | 6.9 ± 3.0     | NS   |
| A               | <i>Cathartes aura</i>               | Turkey Vulture           |                 |                 |                 | S2S3B,S4S5M      | 2      | 38.4 ± 0.0    | NS   |
| A               | <i>Setophaga pinus</i>              | Pine Warbler             |                 |                 |                 | S2S3B,S4S5M      | 1      | 7.0 ± 0.0     | NS   |
| A               | <i>Larus marinus</i>                | Great Black-backed Gull  |                 |                 |                 | S2S3B,S5N        | 1      | 98.5 ± 7.0    | PE   |
| A               | <i>Bucephala clangula</i>           | Common Goldeneye         |                 |                 |                 | S2S3B,S5N,S5M    | 169    | 0.8 ± 9.0     | NS   |
| A               | <i>Icterus galbula</i>              | Baltimore Oriole         |                 |                 |                 | S2S3B,SUM        | 22     | 6.7 ± 0.0     | NS   |
| A               | <i>Pluvialis dominica</i>           | American Golden-Plover   |                 |                 |                 | S2S3M            | 23     | 36.5 ± 1.0    | NS   |
| A               | <i>Numenius phaeopus hudsonicus</i> | Whimbrel                 |                 |                 |                 | S2S3M            | 62     | 25.8 ± 0.0    | NS   |
| A               | <i>Perisoreus canadensis</i>        | Canada Jay               |                 |                 |                 | S3               | 564    | 4.5 ± 7.0     | NS   |
| A               | <i>Poecile hudsonicus</i>           | Boreal Chickadee         |                 |                 |                 | S3               | 1199   | 4.0 ± 0.0     | NS   |
| A               | <i>Spinus pinus</i>                 | Pine Siskin              |                 |                 |                 | S3               | 588    | 4.5 ± 7.0     | NS   |
| A               | <i>Salvelinus fontinalis</i>        | Brook Trout              |                 |                 |                 | S3               | 52     | 8.8 ± 0.0     | NS   |
| A               | <i>Synaptomys cooperi</i>           | Southern Bog Lemming     |                 |                 |                 | S3               | 4      | 53.6 ± 0.0    | NS   |
| A               | <i>Pekania pennanti</i>             | Fisher                   |                 |                 |                 | S3               | 6      | 51.3 ± 0.0    | NS   |
| A               | <i>Calcarius lapponicus</i>         | Lapland Longspur         |                 |                 |                 | S3?N,SUM         | 1      | 47.7 ± 0.0    | NS   |
| A               | <i>Spatula discors</i>              | Blue-winged Teal         |                 |                 |                 | S3B              | 95     | 4.5 ± 7.0     | NS   |
| A               | <i>Charadrius vociferus</i>         | Killdeer                 |                 |                 |                 | S3B              | 176    | 4.5 ± 7.0     | NS   |
| A               | <i>Tringa semipalmata</i>           | Willet                   |                 |                 |                 | S3B              | 584    | 4.5 ± 7.0     | NS   |
| A               | <i>Sterna paradisaea</i>            | Arctic Tern              |                 |                 |                 | S3B              | 98     | 13.8 ± 0.0    | NS   |
| A               | <i>Coccyzus erythrophthalmus</i>    | Black-billed Cuckoo      |                 |                 |                 | S3B              | 46     | 27.4 ± 0.0    | NS   |
| A               | <i>Tyrannus tyrannus</i>            | Eastern Kingbird         |                 |                 |                 | S3B              | 101    | 9.9 ± 0.0     | NS   |
| A               | <i>Pheucticus ludovicianus</i>      | Rose-breasted Grosbeak   |                 |                 |                 | S3B              | 330    | 4.5 ± 7.0     | NS   |
| A               | <i>Alosa pseudoharengus</i>         | Alewife                  |                 |                 |                 | S3B              | 34     | 17.3 ± 0.0    | NS   |
| A               | <i>Somateria mollissima</i>         | Common Eider             |                 |                 |                 | S3B,S3M,S3N      | 420    | 11.9 ± 0.0    | NS   |
| A               | <i>Tringa melanoleuca</i>           | Greater Yellowlegs       |                 |                 |                 | S3B,S4M          | 296    | 10.9 ± 0.0    | NS   |
| A               | <i>Falco sparverius</i>             | American Kestrel         |                 |                 |                 | S3B,S4S5M        | 289    | 4.5 ± 7.0     | NS   |
| A               | <i>Gallinago delicata</i>           | Wilson's Snipe           |                 |                 |                 | S3B,S5M          | 617    | 4.5 ± 7.0     | NS   |
| A               | <i>Corthylio calendula</i>          | Ruby-crowned Kinglet     |                 |                 |                 | S3B,S5M          | 1      | 98.5 ± 7.0    | PE   |
| A               | <i>Setophaga striata</i>            | Blackpoll Warbler        |                 |                 |                 | S3B,S5M          | 135    | 4.5 ± 7.0     | NS   |
| A               | <i>Cardellina pusilla</i>           | Wilson's Warbler         |                 |                 |                 | S3B,S5M          | 145    | 1.0 ± 0.0     | NS   |
| A               | <i>Pinicola enucleator</i>          | Pine Grosbeak            |                 |                 |                 | S3B,S5N,S5M      | 164    | 4.5 ± 7.0     | NS   |
| A               | <i>Setophaga tigrina</i>            | Cape May Warbler         |                 |                 |                 | S3B,SUM          | 145    | 12.7 ± 7.0    | NS   |
| A               | <i>Branta bernicla</i>              | Brant                    |                 |                 |                 | S3M              | 1      | 21.6 ± 16.0   | NS   |
| A               | <i>Pluvialis squatarola</i>         | Black-bellied Plover     |                 |                 |                 | S3M              | 194    | 13.6 ± 0.0    | NS   |
| A               | <i>Arenaria interpres</i>           | Ruddy Turnstone          |                 |                 |                 | S3M              | 89     | 13.0 ± 0.0    | NS   |
| A               | <i>Calidris pusilla</i>             | Semipalmated Sandpiper   |                 |                 |                 | S3M              | 193    | 25.3 ± 0.0    | NS   |
| A               | <i>Calidris melanotos</i>           | Pectoral Sandpiper       |                 |                 |                 | S3M              | 28     | 36.5 ± 1.0    | NS   |
| A               | <i>Limnodromus griseus</i>          | Short-billed Dowitcher   |                 |                 |                 | S3M              | 104    | 36.5 ± 22.0   | NS   |
| A               | <i>Chroicocephalus ridibundus</i>   | Black-headed Gull        |                 |                 |                 | S3N              | 23     | 41.9 ± 0.0    | NS   |
| A               | <i>Picoides arcticus</i>            | Black-backed Woodpecker  |                 |                 |                 | S3S4             | 94     | 6.4 ± 7.0     | NS   |
| A               | <i>Loxia curvirostra</i>            | Red Crossbill            |                 |                 |                 | S3S4             | 92     | 8.9 ± 7.0     | NS   |
| A               | <i>Tachycineta bicolor</i>          | Tree Swallow             |                 |                 |                 | S3S4B            | 2      | 98.5 ± 7.0    | PE   |
| A               | <i>Botaurus lentiginosus</i>        | American Bittern         |                 |                 |                 | S3S4B,S4S5M      | 207    | 4.5 ± 7.0     | NS   |
| A               | <i>Setophaga castanea</i>           | Bay-breasted Warbler     |                 |                 |                 | S3S4B,S4S5M      | 365    | 4.5 ± 7.0     | NS   |
| A               | <i>Actitis macularius</i>           | Spotted Sandpiper        |                 |                 |                 | S3S4B,S5M        | 730    | 4.5 ± 7.0     | NS   |
| A               | <i>Leiothlypis peregrina</i>        | Tennessee Warbler        |                 |                 |                 | S3S4B,S5M        | 417    | 4.5 ± 7.0     | NS   |
| A               | <i>Passerella iliaca</i>            | Fox Sparrow              |                 |                 |                 | S3S4B,S5M        | 171    | 8.9 ± 7.0     | NS   |
| A               | <i>Mergus serrator</i>              | Red-breasted Merganser   |                 |                 |                 | S3S4B,S5M,S5N    | 179    | 5.2 ± 0.0     | NS   |
| A               | <i>Calidris maritima</i>            | Purple Sandpiper         |                 |                 |                 | S3S4N            | 29     | 3.9 ± 10.0    | NS   |
| A               | <i>Lanius borealis</i>              | Northern Shrike          |                 |                 |                 | S3S4N            | 12     | 36.6 ± 1.0    | NS   |
| A               | <i>Morus bassanus</i>               | Northern Gannet          |                 |                 |                 | SHB              | 64     | 11.7 ± 0.0    | NS   |
| A               | <i>Leucophaeus atricilla</i>        | Laughing Gull            |                 |                 |                 | SHB              | 4      | 43.7 ± 0.0    | NS   |
| A               | <i>Progne subis</i>                 | Purple Martin            |                 |                 |                 | SHB              | 4      | 54.3 ± 0.0    | NS   |
| I               | <i>Bombus bohemicus</i>             | Ashton Cuckoo Bumble Bee | Endangered      | Endangered      | Endangered      | S1               | 10     | 47.3 ± 5.0    | NS   |
| I               | <i>Danaus plexippus</i>             | Monarch                  | Endangered      | Special Concern | Endangered      | S2?B,S3M         | 49     | 13.4 ± 0.0    | NS   |
| I               | <i>Lampsilis cariosa</i>            | Yellow Lampmussel        | Special Concern | Special Concern | Threatened      | S1               | 16     | 95.8 ± 0.0    | NS   |

| Taxonomic Group | Scientific Name                                 | Common Name                                  | COSEWIC         | SARA            | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|---|--|-----------------|-----------------|-----------------|------------------|--------|---------------|------|
| I               | <i>Alasmidonta varicosa</i>                     | Brook Floater                                | Special Concern | Special Concern | Threatened      | S3               | 8      | 27.3 ± 0.0    | NS   |
| I               | <i>Bombus terricola</i>                         | Yellow-banded Bumble Bee                     | Special Concern | Special Concern | Vulnerable      | S3               | 90     | 25.2 ± 0.0    | NS   |
| I               | <i>Coccinella transversoguttata richardsoni</i> | Transverse Lady Beetle                       | Special Concern |                 | Endangered      | SH               | 1      | 56.3 ± 2.0    | NS   |
| I               | <i>Papilio brevicauda bretonensis</i>           | Short-tailed Swallowtail                     |                 |                 |                 | S1               | 4      | 72.7 ± 2.0    | NS   |
| I               | <i>Coenagrion interrogatum</i>                  | Subarctic Bluet                              |                 |                 |                 | S1               | 1      | 95.1 ± 0.0    | NS   |
| I               | <i>Atlanticoncha ochracea</i>                   | Tidewater Mucket                             |                 |                 |                 | S1               | 19     | 92.7 ± 1.0    | NS   |
| I               | <i>Polygonia satyrus</i>                        | Satyr Comma                                  |                 |                 |                 | S1?              | 1      | 72.7 ± 2.0    | NS   |
| I               | <i>Euphyes bimaculata</i>                       | Two-spotted Skipper                          |                 |                 |                 | S1S2             | 2      | 52.8 ± 0.0    | NS   |
| I               | <i>Boloria chariclea</i>                        | Arctic Fritillary                            |                 |                 |                 | S1S2             | 2      | 76.6 ± 2.0    | NS   |
| I               | <i>Haematopota rara</i>                         | Shy Cleg                                     |                 |                 |                 | S1S3             | 1      | 48.6 ± 0.0    | NS   |
| I               | <i>Tharsalea dorcas</i>                         | Dorcas Copper                                |                 |                 |                 | S2               | 31     | 36.9 ± 0.0    | NS   |
| I               | <i>Tharsalea dospassosi</i>                     | Maritime Copper                              |                 |                 |                 | S2               | 1      | 55.7 ± 0.0    | NS   |
| I               | <i>Neurocordulia michaeli</i>                   | Broad-tailed Shadowdragon                    |                 |                 |                 | S2               | 24     | 66.9 ± 0.0    | NS   |
| I               | <i>Somatochlora septentrionalis</i>             | Muskeg Emerald                               |                 |                 |                 | S2               | 8      | 77.9 ± 0.0    | NS   |
| I               | <i>Margaritifera margaritifera</i>              | Eastern Pearlshell                           |                 |                 |                 | S2               | 99     | 12.6 ± 0.0    | NS   |
| I               | <i>Pantala hymenaea</i>                         | Spot-Winged Glider                           |                 |                 |                 | S2?B             | 2      | 73.3 ± 1.0    | NS   |
| I               | <i>Nymphalis l-album</i>                        | Compton Tortoiseshell                        |                 |                 |                 | S2S3             | 2      | 76.6 ± 2.0    | NS   |
| I               | <i>Aglais milberti</i>                          | Milbert's Tortoiseshell                      |                 |                 |                 | S2S3             | 2      | 74.2 ± 2.0    | NS   |
| I               | <i>Lanthus vernalis</i>                         | Southern Pygmy Clubtail                      |                 |                 |                 | S2S3             | 8      | 53.5 ± 0.0    | NS   |
| I               | <i>Somatochlora williamsoni</i>                 | Williamson's Emerald                         |                 |                 |                 | S2S3             | 8      | 79.7 ± 0.0    | NS   |
| I               | <i>Alasmidonta undulata</i>                     | Triangle Floater                             |                 |                 |                 | S2S3             | 5      | 24.6 ± 0.0    | NS   |
| I               | <i>Naemia seriata</i>                           | Seaside Lady Beetle                          |                 |                 |                 | S3               | 1      | 53.2 ± 0.0    | NS   |
| I               | <i>Iphthiminius opacus</i>                      | Cloudy Darkling Beetle                       |                 |                 |                 | S3               | 1      | 39.1 ± 0.0    | NS   |
| I               | <i>Monochamus marmorator</i>                    | Balsam Fir Sawyer                            |                 |                 |                 | S3               | 2      | 65.7 ± 0.0    | NS   |
| I               | <i>Strymon melinus</i>                          | Gray Hairstreak                              |                 |                 |                 | S3               | 2      | 29.0 ± 0.0    | NS   |
| I               | <i>Phanogomphus descriptus</i>                  | Harpoon Clubtail                             |                 |                 |                 | S3               | 16     | 23.9 ± 0.0    | NS   |
| I               | <i>Ophiogomphus aspersus</i>                    | Brook Snaketail                              |                 |                 |                 | S3               | 5      | 23.9 ± 0.0    | NS   |
| I               | <i>Ophiogomphus mainensis</i>                   | Maine Snaketail                              |                 |                 |                 | S3               | 8      | 64.4 ± 0.0    | NS   |
| I               | <i>Ophiogomphus rupinsulensis</i>               | Rusty Snaketail                              |                 |                 |                 | S3               | 36     | 66.8 ± 0.0    | NS   |
| I               | <i>Somatochlora forcipata</i>                   | Forcinate Emerald                            |                 |                 |                 | S3               | 7      | 67.4 ± 1.0    | NS   |
| I               | <i>Enallagma vernale</i>                        | Vernal Bluet                                 |                 |                 |                 | S3               | 8      | 21.1 ± 0.0    | NS   |
| I               | <i>Polygonia interrogationis</i>                | Question Mark                                |                 |                 |                 | S3B              | 19     | 25.4 ± 0.0    | NS   |
| I               | <i>Cecropterus pylades</i>                      | Northern Cloudywing                          |                 |                 |                 | S3S4             | 15     | 35.4 ± 0.0    | NS   |
| I               | <i>Amblyscirtes hegon</i>                       | Pepper and Salt Skipper                      |                 |                 |                 | S3S4             | 7      | 33.1 ± 1.0    | NS   |
| I               | <i>Argynnis aphrodite</i>                       | Aphrodite Fritillary                         |                 |                 |                 | S3S4             | 6      | 47.5 ± 2.0    | NS   |
| I               | <i>Polygonia faunus</i>                         | Green Comma                                  |                 |                 |                 | S3S4             | 13     | 36.0 ± 0.0    | NS   |
| I               | <i>Oeneis jutta</i>                             | Jutta Arctic                                 |                 |                 |                 | S3S4             | 6      | 33.9 ± 0.0    | NS   |
| I               | <i>Aeshna clepsydra</i>                         | Mottled Darner                               |                 |                 |                 | S3S4             | 3      | 13.5 ± 0.0    | NS   |
| I               | <i>Boyeria grafiana</i>                         | Ocellated Darner                             |                 |                 |                 | S3S4             | 7      | 68.8 ± 0.0    | NS   |
| I               | <i>Gomphaeschna furcillata</i>                  | Harlequin Darner                             |                 |                 |                 | S3S4             | 3      | 12.3 ± 0.0    | NS   |
| I               | <i>Nannothemis bella</i>                        | Elfin Skimmer                                |                 |                 |                 | S3S4             | 3      | 12.3 ± 0.0    | NS   |
| I               | <i>Sympetrum danae</i>                          | Black Meadowhawk                             |                 |                 |                 | S3S4             | 9      | 20.0 ± 0.0    | NS   |
| I               | <i>Amphiagrion saucium</i>                      | Eastern Red Damsel                           |                 |                 |                 | S3S4             | 11     | 38.3 ± 0.0    | NS   |
| I               | <i>Polygonia gracilis</i>                       | Hoary Comma                                  |                 |                 |                 | SH               | 1      | 74.2 ± 2.0    | NS   |
| N               | <i>Erioderma mollissimum</i>                    | Graceful Felt Lichen                         | Endangered      | Endangered      | Endangered      | S1               | 43     | 63.2 ± 0.0    | NS   |
| N               | <i>Erioderma pedicellatum</i> (Atlantic pop.)   | Boreal Felt Lichen - Atlantic pop.           | Endangered      | Endangered      | Endangered      | S1               | 419    | 28.5 ± 0.0    | NS   |
| N               | <i>Peltigera hydrothyrta</i>                    | Eastern Waterfan                             | Threatened      | Threatened      | Threatened      | S1               | 72     | 7.7 ± 0.0     | NS   |
| N               | <i>Pannaria lurida</i>                          | Wrinkled Shingle Lichen                      | Threatened      | Threatened      | Threatened      | S2S3             | 179    | 36.2 ± 0.0    | NS   |
| N               | <i>Anzia colpodes</i>                           | Black-foam Lichen                            | Threatened      | Threatened      | Threatened      | S3               | 6      | 80.9 ± 1.0    | NS   |
| N               | <i>Fuscopannaria leucosticta</i>                | White-rimmed Shingle Lichen                  | Threatened      |                 |                 | S3               | 1      | 96.8 ± 0.0    | NS   |
| N               | <i>Pectenium plumbea</i>                        | Blue Felt Lichen                             | Special Concern | Special Concern | Vulnerable      | S3               | 514    | 3.4 ± 3.0     | NS   |
| N               | <i>Sclerophora peronella</i> (Atlantic pop.)    | Frosted Glass-whiskers (Atlantic population) | Special Concern | Special Concern |                 | S3S4             | 11     | 10.9 ± 0.0    | NS   |
| N               | <i>Pseudevernia cladonia</i>                    | Ghost Antler Lichen                          | Not At Risk     |                 |                 | S2S3             | 2      | 43.8 ± 0.0    | NS   |

| Taxonomic Group | Scientific Name                              | Common Name                   | COSEWIC     | SARA | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|--|-------------------------------|-------------|------|-----------------|------------------|--------|---------------|------|
| N               | <i>Fissidens exilis</i>                      | Pygmy Pocket Moss             | Not At Risk |      |                 | S3               | 7      | 40.5 ± 0.0    | NS   |
| N               | <i>Cinclidium stygium</i>                    | Sooty Cupola Moss             |             |      |                 | S1               | 2      | 40.8 ± 0.0    | NS   |
| N               | <i>Seligeria diversifolia</i>                | a Moss                        |             |      |                 | S1               | 1      | 98.3 ± 0.0    | NS   |
| N               | <i>Cladonia brevis</i>                       | Short Peg Lichen              |             |      |                 | S1               | 1      | 49.3 ± 0.0    | NS   |
| N               | <i>Lathagrium cristatum</i>                  | Fingered Jelly Lichen         |             |      |                 | S1               | 1      | 55.2 ± 0.0    | NS   |
| N               | <i>Polychidium muscicola</i>                 | Eyed Mossthorns               |             |      |                 | S1               | 1      | 4.6 ± 0.0     | NS   |
| N               |  | Woollybear Lichen             |             |      |                 |                  |        |               |      |
| N               | <i>Sticta limbata</i>                        | Powdered Moon Lichen          |             |      |                 | S1               | 2      | 28.3 ± 2.0    | NS   |
| N               | <i>Dermatocarpon miniatum</i>                | Common Stippleback Lichen     |             |      |                 | S1               | 1      | 86.9 ± 0.0    | NS   |
| N               | <i>Peltigera lepidophora</i>                 | Scaly Pelt Lichen             |             |      |                 | S1               | 2      | 55.0 ± 0.0    | NS   |
| N               | <i>Hypogymnia hultenii</i>                   | Powdered Honeycomb Lichen     |             |      |                 | S1               | 20     | 29.2 ± 0.0    | NS   |
| N               | <i>Eocalypogeia schusteriana</i>             | Schuster's Pouchwort          |             |      |                 | S1?              | 2      | 79.4 ± 0.0    | NS   |
| N               | <i>Brachythecium erythrorrhizon</i>          | Taiga Ragged Moss             |             |      |                 | S1?              | 4      | 79.7 ± 0.0    | NS   |
| N               | <i>Conardia compacta</i>                     | Coast Creeping Moss           |             |      |                 | S1?              | 2      | 56.2 ± 2.0    | NS   |
| N               | <i>Oligotrichum hercynicum</i>               | Hercynian Hair Moss           |             |      |                 | S1?              | 3      | 58.6 ± 0.0    | NS   |
| N               | <i>Paludella squarrosa</i>                   | Tufted Fen Moss               |             |      |                 | S1?              | 1      | 76.0 ± 5.0    | NS   |
| N               | <i>Peltigera malacea</i>                     | Veinless Pelt Lichen          |             |      |                 | S1?              | 1      | 26.5 ± 0.0    | NS   |
| N               | <i>Buxbaumia minakatae</i>                   | Hump-Backed Elves             |             |      |                 | S1S2             | 1      | 80.3 ± 100.0  | NS   |
| N               | <i>Hamatocaulis vernicosus</i>               | a Moss                        |             |      |                 | S1S2             | 1      | 44.7 ± 0.0    | NS   |
| N               | <i>Enchylium bachmanianum</i>                | Bachman's Jelly Lichen        |             |      |                 | S1S2             | 1      | 60.9 ± 0.0    | NS   |
| N               | <i>Cladonia labradorica</i>                  | Labrador Lichen               |             |      |                 | S1S2             | 1      | 43.2 ± 0.0    | NS   |
| N               | <i>Parmeliella parvula</i>                   | Poor-man's Shingles Lichen    |             |      |                 | S1S2             | 17     | 28.6 ± 0.0    | NS   |
| N               | <i>Barbilophozia lycopodioides</i>           | Greater Pawwort               |             |      |                 | S1S3             | 1      | 57.9 ± 0.0    | NS   |
| N               | <i>Odontoschisma sphagni</i>                 | Bog-Moss Flapwort             |             |      |                 | S1S3             | 1      | 72.9 ± 0.0    | NS   |
| N               | <i>Peltigera neckeri</i>                     | Black-saddle Pelt Lichen      |             |      |                 | S1S3             | 4      | 33.1 ± 0.0    | NS   |
| N               | <i>Anacamptodon splachnoides</i>             | a Moss                        |             |      |                 | S2               | 1      | 11.9 ± 0.0    | NS   |
| N               | <i>Scorpidium scorpioides</i>                | Hooked Scorpion Moss          |             |      |                 | S2               | 11     | 36.8 ± 0.0    | NS   |
| N               | <i>Sphagnum platyphyllum</i>                 | Flat-leaved Peat Moss         |             |      |                 | S2               | 4      | 34.5 ± 0.0    | NS   |
| N               | <i>Sphagnum subnitens</i>                    | Lustrous Peat Moss            |             |      |                 | S2               | 2      | 52.7 ± 0.0    | NS   |
| N               | <i>Scorpidium cossonii</i>                   | Cosson's Hook Moss            |             |      |                 | S2               | 6      | 34.8 ± 0.0    | NS   |
| N               | <i>Scytinium imbricatum</i>                  | Scaly Jellyskin Lichen        |             |      |                 | S2               | 1      | 68.7 ± 0.0    | NS   |
| N               | <i>Nephroma arcticum</i>                     | Arctic Kidney Lichen          |             |      |                 | S2               | 2      | 57.7 ± 0.0    | NS   |
| N               | <i>Nephroma resupinatum</i>                  | a lichen                      |             |      |                 | S2               | 1      | 38.3 ± 0.0    | NS   |
| N               | <i>Anaptychia crinalis</i>                   | Hanging Fringed Lichen        |             |      |                 | S2               | 1      | 89.8 ± 0.0    | NS   |
| N               | <i>Riccardia multifida</i>                   | Delicate Germanderwort        |             |      |                 | S2?              | 1      | 65.7 ± 0.0    | NS   |
| N               | <i>Anomodon viticulosus</i>                  | a Moss                        |             |      |                 | S2?              | 1      | 56.5 ± 0.0    | NS   |
| N               | <i>Atrichum angustatum</i>                   | Lesser Smoothcap Moss         |             |      |                 | S2?              | 2      | 53.3 ± 3.0    | NS   |
| N               | <i>Drepanocladus polygamus</i>               | Polygamous Hook Moss          |             |      |                 | S2?              | 2      | 50.6 ± 0.0    | NS   |
| N               | <i>Pseudocampyllum radicale</i>              | Long-stalked Fine Wet Moss    |             |      |                 | S2?              | 1      | 36.8 ± 0.0    | NS   |
| N               | <i>Fontinalis sullivantii</i>                | Sullivant's Water Moss        |             |      |                 | S2?              | 1      | 80.3 ± 100.0  | NS   |
| N               | <i>Philonotis marchica</i>                   | a Moss                        |             |      |                 | S2?              | 1      | 78.0 ± 0.0    | NS   |
| N               | <i>Platydictya jungermannioides</i>          | False Willow Moss             |             |      |                 | S2?              | 3      | 46.7 ± 0.0    | NS   |
| N               | <i>Tortella fragilis</i>                     | Fragile Twisted Moss          |             |      |                 | S2?              | 7      | 51.3 ± 0.0    | NS   |
| N               | <i>Cyrtomnium hymenophylloides</i>           | Short-pointed Lantern Moss    |             |      |                 | S2?              | 1      | 82.8 ± 0.0    | NS   |
| N               | <i>Scorpidium revolvens</i>                  | Limprichtia Moss              |             |      |                 | S2S3             | 7      | 34.1 ± 0.0    | NS   |
| N               | <i>Moelleropsis nebulosa</i>                 | Blue-gray Moss Shingle Lichen |             |      |                 | S2S3             | 22     | 43.2 ± 0.0    | NS   |
| N               | <i>Moelleropsis nebulosa ssp. frullaniae</i> | Blue-gray Moss Shingle Lichen |             |      |                 | S2S3             | 1      | 90.1 ± 0.0    | NS   |
| N               | <i>Ramalina thrausta</i>                     | Angelhair Ramalina Lichen     |             |      |                 | S2S3             | 9      | 20.2 ± 0.0    | NS   |
| N               | <i>Collema leptaleum</i>                     | Crumpled Bat's Wing Lichen    |             |      |                 | S2S3             | 158    | 36.2 ± 0.0    | NS   |
| N               | <i>Usnea rubicunda</i>                       | Red Beard Lichen              |             |      |                 | S2S3             | 3      | 47.8 ± 0.0    | NS   |
| N               | <i>Ahtiana aurescens</i>                     | Eastern Candlewax Lichen      |             |      |                 | S2S3             | 1      | 88.3 ± 6.0    | NS   |
| N               | <i>Cetraria muricata</i>                     | Spiny Heath Lichen            |             |      |                 | S2S3             | 2      | 44.2 ± 1.0    | NS   |

| Taxonomic Group | Scientific Name                  | Common Name                         | COSEWIC | SARA | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|----------------------------------|-------------------------------------|---------|------|-----------------|------------------|--------|---------------|------|
| N               | <i>Cladonia incrassata</i>       | Powder-foot British Soldiers Lichen |         |      |                 | S2S3             | 1      | 89.0 ± 0.0    | NS   |
| N               | <i>Scytinium tenuissimum</i>     | Birdnest Jellyskin Lichen           |         |      |                 | S2S3             | 13     | 46.1 ± 0.0    | NS   |
| N               | <i>Parmelia fertilis</i>         | Fertile Shield Lichen               |         |      |                 | S2S3             | 3      | 42.9 ± 0.0    | NS   |
| N               | <i>Parmeliopsis ambigua</i>      | Green Starburst Lichen              |         |      |                 | S2S3             | 3      | 39.2 ± 0.0    | NS   |
| N               | <i>Usnea mutabilis</i>           | Bloody Beard Lichen                 |         |      |                 | S2S3             | 1      | 36.9 ± 0.0    | NS   |
| N               | <i>Fuscopannaria soredata</i>    | a Lichen                            |         |      |                 | S2S3             | 9      | 7.8 ± 0.0     | NS   |
| N               | <i>Stereocaulon condensatum</i>  | Granular Soil Foam Lichen           |         |      |                 | S2S3             | 4      | 70.9 ± 0.0    | NS   |
| N               | <i>Cladonia coccifera</i>        | Eastern Boreal Pixie-cup Lichen     |         |      |                 | S2S3             | 3      | 42.2 ± 0.0    | NS   |
| N               | <i>Fissidens taxifolius</i>      | Yew-leaved Pocket Moss              |         |      |                 | S3               | 2      | 56.4 ± 0.0    | NS   |
| N               | <i>Anomodon tristis</i>          | a Moss                              |         |      |                 | S3               | 1      | 97.0 ± 0.0    | NS   |
| N               | <i>Sphagnum contortum</i>        | Twisted Peat Moss                   |         |      |                 | S3               | 6      | 34.5 ± 0.0    | NS   |
| N               | <i>Tetraplodon angustatus</i>    | Toothed-leaved Nitrogen Moss        |         |      |                 | S3               | 2      | 6.5 ± 0.0     | NS   |
| N               | <i>Tetraplodon mnioides</i>      | Entire-leaved Nitrogen Moss         |         |      |                 | S3               | 1      | 36.9 ± 0.0    | NS   |
| N               | <i>Rostania occultata</i>        | Crusted Tarpaper Lichen             |         |      |                 | S3               | 4      | 53.4 ± 5.0    | NS   |
| N               | <i>Solorina saccata</i>          | Woodland Owl Lichen                 |         |      |                 | S3               | 7      | 11.1 ± 0.0    | NS   |
| N               | <i>Fuscopannaria ahlneri</i>     | Corrugated Shingles Lichen          |         |      |                 | S3               | 71     | 8.7 ± 0.0     | NS   |
| N               | <i>Heterodermia squamulosa</i>   | Scaly Fringe Lichen                 |         |      |                 | S3               | 6      | 89.3 ± 0.0    | NS   |
| N               | <i>Scytinium lichenoides</i>     | Tattered Jellyskin Lichen           |         |      |                 | S3               | 13     | 11.0 ± 0.0    | NS   |
| N               | <i>Leptogium milligranum</i>     | Stretched Jellyskin Lichen          |         |      |                 | S3               | 1      | 25.9 ± 0.0    | NS   |
| N               | <i>Nephroma bellum</i>           | Naked Kidney Lichen                 |         |      |                 | S3               | 10     | 45.2 ± 1.0    | NS   |
| N               | <i>Placynthium nigrum</i>        | Common Ink Lichen                   |         |      |                 | S3               | 1      | 96.8 ± 10.0   | NS   |
| N               | <i>Platismatia norvegica</i>     | Oldgrowth Rag Lichen                |         |      |                 | S3               | 148    | 39.0 ± 0.0    | NS   |
| N               | <i>Viridothelium virens</i>      |                                     |         |      |                 | S3               | 1      | 64.6 ± 5.0    | NS   |
| N               | <i>Ephebe lanata</i>             | Waterside Rockshag Lichen           |         |      |                 | S3               | 1      | 10.6 ± 0.0    | NS   |
| N               | <i>Phaeophyscia pusilloides</i>  | Pompom-tipped Shadow Lichen         |         |      |                 | S3               | 5      | 45.1 ± 0.0    | NS   |
| N               | <i>Peltigera collina</i>         | Tree Pelt Lichen                    |         |      |                 | S3               | 90     | 5.3 ± 0.0     | NS   |
| N               | <i>Cladonia pocillum</i>         | Rosette Pixie-cup Lichen            |         |      |                 | S3               | 1      | 79.4 ± 0.0    | NS   |
| N               | <i>Calliergon giganteum</i>      | Giant Spear Moss                    |         |      |                 | S3?              | 3      | 53.8 ± 0.0    | NS   |
| N               | <i>Mnium stellare</i>            | Star Leafy Moss                     |         |      |                 | S3?              | 2      | 79.7 ± 0.0    | NS   |
| N               | <i>Sphagnum lindbergii</i>       | Lindberg's Peat Moss                |         |      |                 | S3?              | 4      | 35.6 ± 0.0    | NS   |
| N               | <i>Sphagnum riparium</i>         | Streamside Peat Moss                |         |      |                 | S3?              | 2      | 58.6 ± 0.0    | NS   |
| N               | <i>Cladonia stygia</i>           | Black-footed Reindeer Lichen        |         |      |                 | S3?              | 4      | 50.5 ± 0.0    | NS   |
| N               | <i>Dicranum leioneuron</i>       | a Dicranum Moss                     |         |      |                 | S3S4             | 1      | 21.9 ± 0.0    | NS   |
| N               | <i>Encalypta ciliata</i>         | Fringed Extinguisher Moss           |         |      |                 | S3S4             | 1      | 17.8 ± 2.0    | NS   |
| N               | <i>Encalypta procera</i>         | Slender Extinguisher Moss           |         |      |                 | S3S4             | 7      | 48.6 ± 0.0    | NS   |
| N               | <i>Splachnum ampullaceum</i>     | Cruet Dung Moss                     |         |      |                 | S3S4             | 1      | 47.8 ± 0.0    | NS   |
| N               | <i>Thamnobryum alleghaniense</i> | a Moss                              |         |      |                 | S3S4             | 26     | 75.0 ± 0.0    | NS   |
| N               | <i>Schistidium agassizii</i>     | Elf Bloom Moss                      |         |      |                 | S3S4             | 1      | 69.1 ± 3.0    | NS   |
| N               | <i>Hylocomiastrum pyrenaicum</i> | a Feather Moss                      |         |      |                 | S3S4             | 1      | 69.6 ± 3.0    | NS   |
| N               | <i>Enchylium tenax</i>           | Soil Tarpaper Lichen                |         |      |                 | S3S4             | 6      | 51.2 ± 0.0    | NS   |
| N               | <i>Sticta fuliginosa</i>         | Peppered Moon Lichen                |         |      |                 | S3S4             | 16     | 18.7 ± 0.0    | NS   |
| N               | <i>Arctoparmelia incurva</i>     | Finger Ring Lichen                  |         |      |                 | S3S4             | 16     | 38.3 ± 0.0    | NS   |
| N               | <i>Scytinium teretiusculum</i>   | Curly Jellyskin Lichen              |         |      |                 | S3S4             | 3      | 49.1 ± 0.0    | NS   |
| N               | <i>Leptogium acadense</i>        | Acadian Jellyskin Lichen            |         |      |                 | S3S4             | 38     | 25.3 ± 0.0    | NS   |
| N               | <i>Scytinium subtile</i>         | Appressed Jellyskin Lichen          |         |      |                 | S3S4             | 8      | 36.8 ± 0.0    | NS   |
| N               | <i>Chaenotheca brachypoda</i>    | a stubble lichen                    |         |      |                 | S3S4             | 1      | 77.0 ± 1.0    | NS   |
| N               | <i>Cladonia floerkeana</i>       | Gritty British Soldiers Lichen      |         |      |                 | S3S4             | 3      | 49.6 ± 0.0    | NS   |
| N               | <i>Vahliaella leucophaea</i>     | Shelter Shingle Lichen              |         |      |                 | S3S4             | 31     | 24.9 ± 0.0    | NS   |
| N               | <i>Heterodermia speciosa</i>     | Powdered Fringe Lichen              |         |      |                 | S3S4             | 22     | 33.0 ± 0.0    | NS   |
| N               | <i>Leptogium corticola</i>       | Blistered Jellyskin Lichen          |         |      |                 | S3S4             | 8      | 51.6 ± 0.0    | NS   |
| N               | <i>Melanohalea olivacea</i>      | Spotted Camouflage Lichen           |         |      |                 | S3S4             | 3      | 79.8 ± 0.0    | NS   |
| N               | <i>Parmeliopsis hyperopta</i>    | Gray Starburst Lichen               |         |      |                 | S3S4             | 1      | 39.2 ± 0.0    | NS   |
| N               | <i>Parmotrema perlatum</i>       | Powdered Ruffle Lichen              |         |      |                 | S3S4             | 1      | 89.3 ± 0.0    | NS   |

| Taxonomic Group | Scientific Name                             | Common Name                        | COSEWIC         | SARA            | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|---|------------------------------------|-----------------|-----------------|-----------------|------------------|--------|---------------|------|
| N               | <i>Peltigera hymenina</i>                   | Cloudy Pelt Lichen                 |                 |                 |                 | S3S4             | 2      | 19.4 ± 0.0    | NS   |
| N               | <i>Sphaerophorus fragilis</i>               | Fragile Coral Lichen               |                 |                 |                 | S3S4             | 1      | 39.3 ± 0.0    | NS   |
| N               | <i>Coccocarpia palmicola</i>                | Salted Shell Lichen                |                 |                 |                 | S3S4             | 507    | 27.6 ± 0.0    | NS   |
| N               | <i>Physcia tenella</i>                      | Fringed Rosette Lichen             |                 |                 |                 | S3S4             | 1      | 91.0 ± 3.0    | NS   |
| N               | <i>Anaptychia palmulata</i>                 | Shaggy Fringed Lichen              |                 |                 |                 | S3S4             | 72     | 25.3 ± 0.0    | NS   |
| N               | <i>Evernia prunastri</i>                    | Valley Oakmoss Lichen              |                 |                 |                 | S3S4             | 6      | 47.1 ± 0.0    | NS   |
| N               | <i>Heterodermia neglecta</i>                | Fringe Lichen                      |                 |                 |                 | S3S4             | 58     | 4.7 ± 0.0     | NS   |
| P               | <i>Fraxinus nigra</i>                       | Black Ash                          | Threatened      |                 | Threatened      | S1S2             | 132    | 17.8 ± 0.0    | NS   |
| P               | <i>Liatris spicata</i>                      | Dense Blazing Star                 | Threatened      | Threatened      |                 | SNA              | 1      | 69.8 ± 0.0    | NS   |
| P               | <i>Juncus caesariensis</i>                  | New Jersey Rush                    | Special Concern | Special Concern | Vulnerable      | S3               | 240    | 46.7 ± 0.0    | NS   |
| P               | <i>Floerkea proserpinacoides</i>            | False Mermaidweed                  | Not At Risk     |                 |                 | S2S3             | 22     | 16.0 ± 7.0    | NS   |
| P               | <i>Salix candida</i>                        | Sage Willow                        |                 |                 | Endangered      | S1               | 47     | 63.7 ± 0.0    | NS   |
| P               | <i>Arnica lonchophylla</i>                  | Northern Arnica                    |                 |                 |                 | S1               | 1      | 25.2 ± 7.0    | NS   |
| P               | <i>Betula minor</i>                         | Dwarf White Birch                  |                 |                 |                 | S1               | 1      | 63.9 ± 0.0    | NS   |
| P               | <i>Cardamine dentata</i>                    | Toothed Bittercress                |                 |                 |                 | S1               | 4      | 33.5 ± 0.0    | NS   |
| P               | <i>Cochlearia tridactylites</i>             | Limestone Scurvy-grass             |                 |                 |                 | S1               | 10     | 38.4 ± 0.0    | NS   |
| P               | <i>Stellaria crassifolia</i>                | Fleshy Stitchwort                  |                 |                 |                 | S1               | 1      | 41.3 ± 2.0    | NS   |
| P               | <i>Hudsonia tomentosa</i>                   | Woolly Beach-heath                 |                 |                 |                 | S1               | 6      | 39.1 ± 1.0    | NS   |
| P               | <i>Bistorta vivipara</i>                    | Alpine Bistort                     |                 |                 |                 | S1               | 1      | 35.2 ± 1.0    | NS   |
| P               | <i>Montia fontana</i>                       | Water Blinks                       |                 |                 |                 | S1               | 2      | 6.3 ± 3.0     | NS   |
| P               | <i>Agalinis tenuifolia</i>                  | Slender Agalinis                   |                 |                 |                 | S1               | 1      | 46.3 ± 0.0    | NS   |
| P               | <i>Scrophularia lanceolata</i>              | Lance-leaved Figwort               |                 |                 |                 | S1               | 2      | 20.6 ± 1.0    | NS   |
| P               | <i>Carex alopecoidea</i>                    | Foxtail Sedge                      |                 |                 |                 | S1               | 2      | 37.1 ± 0.0    | NS   |
| P               | <i>Carex granularis</i>                     | Limestone Meadow Sedge             |                 |                 |                 | S1               | 21     | 36.7 ± 0.0    | NS   |
| P               | <i>Carex tenuiflora</i>                     | Sparse-Flowered Sedge              |                 |                 |                 | S1               | 3      | 43.6 ± 1.0    | NS   |
| P               | <i>Carex tinctoria</i>                      | Tinged Sedge                       |                 |                 |                 | S1               | 1      | 37.1 ± 1.0    | NS   |
| P               | <i>Carex viridula ssp. brachyrrhyncha</i>   | Greenish Sedge                     |                 |                 |                 | S1               | 1      | 51.2 ± 0.0    | NS   |
| P               | <i>Carex viridula var. elatior</i>          | Greenish Sedge                     |                 |                 |                 | S1               | 58     | 33.3 ± 0.0    | NS   |
| P               | <i>Carex grisea</i>                         | Inflated Narrow-leaved Sedge       |                 |                 |                 | S1               | 6      | 46.4 ± 0.0    | NS   |
| P               | <i>Cyperus lupulinus ssp. macilentus</i>    | Hop Flatsedge                      |                 |                 |                 | S1               | 13     | 38.2 ± 0.0    | NS   |
| P               | <i>Eleocharis erythropoda</i>               | Red-stemmed Spikerush              |                 |                 |                 | S1               | 7      | 44.9 ± 0.0    | NS   |
| P               | <i>Rhynchospora capillacea</i>              | Slender Beakrush                   |                 |                 |                 | S1               | 8      | 56.0 ± 10.0   | NS   |
| P               | <i>Scirpus atrovirens</i>                   | Dark-green Bulrush                 |                 |                 |                 | S1               | 2      | 51.1 ± 0.0    | NS   |
| P               | <i>Iris prismatica</i>                      | Slender Blue Flag                  |                 |                 |                 | S1               | 4      | 63.5 ± 1.0    | NS   |
| P               | <i>Triantha glutinosa</i>                   | Sticky False-Asphodel              |                 |                 |                 | S1               | 14     | 63.7 ± 0.0    | NS   |
| P               | <i>Malaxis monophyllos var. brachypoda</i>  | North American White Adder's-mouth |                 |                 |                 | S1               | 1      | 16.2 ± 7.0    | NS   |
| P               | <i>Calamagrostis stricta ssp. inexpansa</i> | Slim-stemmed Reed Grass            |                 |                 |                 | S1               | 2      | 25.8 ± 0.0    | NS   |
| P               | <i>Torreyochloa pallida var. pallida</i>    | Pale False Manna Grass             |                 |                 |                 | S1               | 2      | 87.0 ± 1.0    | NS   |
| P               | <i>Grappophorum melicoides</i>              | Purple False Oats                  |                 |                 |                 | S1               | 2      | 94.2 ± 0.0    | NS   |
| P               | <i>Potamogeton nodosus</i>                  | Long-leaved Pondweed               |                 |                 |                 | S1               | 1      | 82.3 ± 5.0    | NS   |
| P               | <i>Sparganium androcladum</i>               | Branching Bur-Reed                 |                 |                 |                 | S1               | 3      | 35.7 ± 1.0    | NS   |
| P               | <i>Dryopteris goldieana</i>                 | Goldie's Woodfern                  |                 |                 |                 | S1               | 1      | 75.1 ± 0.0    | NS   |
| P               | <i>Equisetum palustre</i>                   | Marsh Horsetail                    |                 |                 |                 | S1               | 8      | 53.9 ± 0.0    | NS   |
| P               | <i>Bolboschoenus robustus</i>               | Sturdy Bulrush                     |                 |                 |                 | S1?              | 2      | 73.7 ± 5.0    | NS   |
| P               | <i>Allium schoenoprasum var. sibiricum</i>  | Wild Chives                        |                 |                 |                 | S1?              | 3      | 24.0 ± 7.0    | NS   |
| P               | <i>Sanicula odorata</i>                     | Clustered Sanicle                  |                 |                 |                 | S1S2             | 8      | 27.1 ± 0.0    | NS   |
| P               | <i>Ageratina altissima</i>                  | White Snakeroot                    |                 |                 |                 | S1S2             | 2      | 46.7 ± 7.0    | NS   |
| P               | <i>Cornus suecica</i>                       | Swedish Bunchberry                 |                 |                 |                 | S1S2             | 2      | 35.7 ± 0.0    | NS   |
| P               | <i>Anemone virginiana var. alba</i>         | Virginia Anemone                   |                 |                 |                 | S1S2             | 6      | 50.6 ± 1.0    | NS   |
| P               | <i>Parnassia parviflora</i>                 | Small-flowered Grass-of-           |                 |                 |                 | S1S2             | 16     | 58.0 ± 1.0    | NS   |



| Taxonomic Group | Scientific Name   | Common Name                       | COSEWIC | SARA | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|---|-----------------------------------|---------|------|-----------------|------------------|--------|---------------|------|
| P               | <i>Carex haydenii</i>                                     | Parnassus<br>Hayden's Sedge       |         |      |                 | S1S2             | 3      | 39.1 ± 0.0    | NS   |
| P               | <i>Platanthera huronensis</i>                             | Fragrant Green Orchid             |         |      |                 | S1S2             | 7      | 41.1 ± 0.0    | NS   |
| P               | <i>Calamagrostis stricta</i> ssp.<br><i>stricta</i>       | Slim-stemmed Reed Grass           |         |      |                 | S1S2             | 1      | 76.0 ± 1.0    | NS   |
| P               | <i>Selaginella selaginoides</i>                           | Low Spikemoss                     |         |      |                 | S1S2             | 5      | 42.6 ± 0.0    | NS   |
| P               | <i>Carex vacillans</i>                                    | Estuarine Sedge                   |         |      |                 | S1S3             | 2      | 37.1 ± 0.0    | NS   |
| P               | <i>Zizia aurea</i>  | Golden Alexanders                 |         |      |                 | S2               | 7      | 39.5 ± 5.0    | NS   |
| P               | <i>Rudbeckia laciniata</i>                                | Cut-Leaved Coneflower             |         |      |                 | S2               | 2      | 46.7 ± 7.0    | NS   |
| P               | <i>Anemonastrum canadense</i>                             | Canada Anemone                    |         |      |                 | S2               | 2      | 20.3 ± 3.0    | NS   |
| P               | <i>Ranunculus sceleratus</i>                              | Cursed Buttercup                  |         |      |                 | S2               | 1      | 79.2 ± 7.0    | NS   |
| P               | <i>Comandra umbellata</i>                                 | Bastard's Toadflax                |         |      |                 | S2               | 31     | 37.7 ± 0.0    | NS   |
| P               | <i>Carex gynocrates</i>                                   | Northern Bog Sedge                |         |      |                 | S2               | 16     | 37.2 ± 0.0    | NS   |
| P               | <i>Carex livida</i>                                       | Livid Sedge                       |         |      |                 | S2               | 24     | 37.7 ± 5.0    | NS   |
| P               | <i>Juncus greenii</i>                                     | Greene's Rush                     |         |      |                 | S2               | 1      | 39.2 ± 1.0    | NS   |
| P               | <i>Juncus alpinoarticulatus</i> ssp.<br><i>americanus</i> | Northern Green Rush               |         |      |                 | S2               | 11     | 31.6 ± 1.0    | NS   |
| P               | <i>Luzula spicata</i>                                     | Spiked Woodrush                   |         |      |                 | S2               | 1      | 46.6 ± 0.0    | NS   |
| P               | <i>Lilium canadense</i>                                   | Canada Lily                       |         |      |                 | S2               | 35     | 13.6 ± 0.0    | NS   |
| P               | <i>Cypripedium parviflorum</i> var.<br><i>pubescens</i>   | Yellow Lady's-slipper             |         |      |                 | S2               | 32     | 10.0 ± 7.0    | NS   |
| P               | <i>Cypripedium parviflorum</i> var.<br><i>makasin</i>     | Small Yellow Lady's-Slipper       |         |      |                 | S2               | 17     | 13.7 ± 0.0    | NS   |
| P               | <i>Cypripedium reginae</i>                                | Showy Lady's-Slipper              |         |      |                 | S2               | 327    | 19.9 ± 0.0    | NS   |
| P               | <i>Platanthera flava</i> var.<br><i>herbiola</i>          | Pale Green Orchid                 |         |      |                 | S2               | 1      | 19.1 ± 1.0    | NS   |
| P               | <i>Bromus latiglumis</i>                                  | Broad-Glumed Brome                |         |      |                 | S2               | 11     | 14.1 ± 0.0    | NS   |
| P               | <i>Cinna arundinacea</i>                                  | Sweet Wood Reed Grass             |         |      |                 | S2               | 24     | 13.7 ± 0.0    | NS   |
| P               | <i>Elymus wiegandii</i>                                   | Wiegand's Wild Rye                |         |      |                 | S2               | 9      | 17.7 ± 0.0    | NS   |
| P               | <i>Sparganium hyperboreum</i>                             | Northern Burreed                  |         |      |                 | S2               | 4      | 45.6 ± 0.0    | NS   |
| P               | <i>Cryptogramma stelleri</i>                              | Steller's Rockbrake               |         |      |                 | S2               | 17     | 50.4 ± 0.0    | NS   |
| P               | <i>Cuscuta cephalanthi</i>                                | Buttonbush Dodder                 |         |      |                 | S2?              | 5      | 36.9 ± 7.0    | NS   |
| P               | <i>Rumex persicarioides</i>                               | Peach-leaved Dock                 |         |      |                 | S2?              | 1      | 64.1 ± 0.0    | NS   |
| P               | <i>Crataegus submollis</i>                                | Quebec Hawthorn                   |         |      |                 | S2?              | 2      | 66.5 ± 7.0    | NS   |
| P               | <i>Thuja occidentalis</i>                                 | Eastern White Cedar               |         |      | Vulnerable      | S2S3             | 3      | 36.7 ± 0.0    | NS   |
| P               | <i>Osmorhiza longistylis</i>                              | Smooth Sweet Cicely               |         |      |                 | S2S3             | 19     | 34.5 ± 1.0    | NS   |
| P               | <i>Bidens hyperborea</i>                                  | Estuary Beggarticks               |         |      |                 | S2S3             | 3      | 47.3 ± 1.0    | NS   |
| P               | <i>Erigeron philadelphicus</i>                            | Philadelphia Fleabane             |         |      |                 | S2S3             | 8      | 44.9 ± 7.0    | NS   |
| P               | <i>Impatiens pallida</i>                                  | Pale Jewelweed                    |         |      |                 | S2S3             | 27     | 18.4 ± 1.0    | NS   |
| P               | <i>Caulophyllum thalictroides</i>                         | Blue Cohosh                       |         |      |                 | S2S3             | 25     | 17.8 ± 0.0    | NS   |
| P               | <i>Draba arabisans</i>                                    | Rock Whitlow-Grass                |         |      |                 | S2S3             | 3      | 52.0 ± 1.0    | NS   |
| P               | <i>Boechera stricta</i>                                   | Drummond's Rockcress              |         |      |                 | S2S3             | 1      | 98.3 ± 1.0    | NS   |
| P               | <i>Stellaria humifusa</i>                                 | Saltmarsh Starwort                |         |      |                 | S2S3             | 4      | 81.4 ± 0.0    | NS   |
| P               | <i>Oxybasis rubra</i>                                     | Red Goosefoot                     |         |      |                 | S2S3             | 3      | 49.4 ± 7.0    | NS   |
| P               | <i>Hypericum majus</i>                                    | Large St John's-wort              |         |      |                 | S2S3             | 5      | 57.4 ± 0.0    | NS   |
| P               | <i>Hypericum x dissimulatum</i>                           | Disguised St. John's-wort         |         |      |                 | S2S3             | 2      | 27.2 ± 1.0    | NS   |
| P               | <i>Empetrum atropurpureum</i>                             | Purple Crowberry                  |         |      |                 | S2S3             | 1      | 36.1 ± 3.0    | NS   |
| P               | <i>Euphorbia polygonifolia</i>                            | Seaside Spurge                    |         |      |                 | S2S3             | 13     | 23.8 ± 0.0    | NS   |
| P               | <i>Myriophyllum farwellii</i>                             | Farwell's Water Milfoil           |         |      |                 | S2S3             | 4      | 17.9 ± 7.0    | NS   |
| P               | <i>Hedeoma pulegioides</i>                                | American False Pennyroyal         |         |      |                 | S2S3             | 1      | 64.0 ± 5.0    | NS   |
| P               | <i>Oenothera fruticosa</i> ssp.<br><i>tetragona</i>       | Narrow-leaved Evening<br>Primrose |         |      |                 | S2S3             | 1      | 72.7 ± 1.0    | NS   |
| P               | <i>Polygonum aviculare</i> ssp.<br><i>buxiforme</i>       | Box Knotweed                      |         |      |                 | S2S3             | 1      | 98.9 ± 7.0    | NS   |
| P               | <i>Polygonum oxyspermum</i><br>ssp. <i>rail</i>           | Ray's Knotweed                    |         |      |                 | S2S3             | 9      | 25.4 ± 1.0    | NS   |
| P               | <i>Rumex triangulivalvis</i>                              | Triangular-valve Dock             |         |      |                 | S2S3             | 8      | 13.4 ± 6.0    | NS   |
| P               | <i>Anemone quinquefolia</i>                               | Wood Anemone                      |         |      |                 | S2S3             | 16     | 67.1 ± 0.0    | NS   |

| Taxonomic Group | Scientific Name  | Common Name                          | COSEWIC | SARA | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|--|--------------------------------------|---------|------|-----------------|------------------|--------|---------------|------|
| P               | <i>Caltha palustris</i>                                    | Yellow Marsh Marigold                |         |      |                 | S2S3             | 20     | 55.9 ± 0.0    | NS   |
| P               | <i>Amelanchier fernaldii</i>                               | Fernald's Serviceberry               |         |      |                 | S2S3             | 2      | 37.4 ± 1.0    | NS   |
| P               | <i>Potentilla canadensis</i>                               | Canada Cinquefoil                    |         |      |                 | S2S3             | 1      | 12.3 ± 2.0    | NS   |
| P               | <i>Salix pellita</i>                                       | Satiny Willow                        |         |      |                 | S2S3             | 5      | 4.5 ± 1.0     | NS   |
| P               | <i>Tiarella cordifolia</i>                                 | Heart-leaved Foamflower              |         |      |                 | S2S3             | 1      | 7.5 ± 3.0     | NS   |
| P               | <i>Agalinis purpurea</i> var. <i>parviflora</i>            | Small-flowered Purple False Foxglove |         |      |                 | S2S3             | 1      | 36.3 ± 0.0    | NS   |
| P               | <i>Carex adusta</i>  | Lesser Brown Sedge                   |         |      |                 | S2S3             | 1      | 86.2 ± 5.0    | NS   |
| P               | <i>Carex comosa</i>  | Bearded Sedge                        |         |      |                 | S2S3             | 1      | 78.2 ± 1.0    | NS   |
| P               | <i>Carex hystericina</i>                                   | Porcupine Sedge                      |         |      |                 | S2S3             | 36     | 35.0 ± 0.0    | NS   |
| P               | <i>Eleocharis ovata</i>                                    | Ovate Spikerush                      |         |      |                 | S2S3             | 2      | 36.0 ± 0.0    | NS   |
| P               | <i>Scirpus pedicellatus</i>                                | Stalked Bulrush                      |         |      |                 | S2S3             | 9      | 14.4 ± 0.0    | NS   |
| P               | <i>Spiranthes lucida</i>                                   | Shining Ladies'-Tresses              |         |      |                 | S2S3             | 27     | 45.3 ± 0.0    | NS   |
| P               | <i>Potamogeton friesii</i>                                 | Fries' Pondweed                      |         |      |                 | S2S3             | 7      | 18.8 ± 0.0    | NS   |
| P               | <i>Cystopteris laurentiana</i>                             | Laurentian Bladder Fern              |         |      |                 | S2S3             | 6      | 49.9 ± 10.0   | NS   |
| P               | <i>Woodsia glabella</i>                                    | Smooth Cliff Fern                    |         |      |                 | S2S3             | 6      | 49.9 ± 7.0    | NS   |
| P               | <i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i> | Narrow Triangle Moonwort             |         |      |                 | S2S3             | 8      | 35.5 ± 0.0    | NS   |
| P               | <i>Botrychium simplex</i>                                  | Least Moonwort                       |         |      |                 | S2S3             | 3      | 41.2 ± 5.0    | NS   |
| P               | <i>Ophioglossum pusillum</i>                               | Northern Adder's-tongue              |         |      |                 | S2S3             | 1      | 98.2 ± 5.0    | NS   |
| P               | <i>Angelica atropurpurea</i>                               | Purple-stemmed Angelica              |         |      |                 | S3               | 26     | 12.8 ± 0.0    | NS   |
| P               | <i>Hieracium robinsonii</i>                                | Robinson's Hawkweed                  |         |      |                 | S3               | 2      | 98.0 ± 1.0    | NS   |
| P               | <i>Senecio pseudoarnica</i>                                | Seabeach Ragwort                     |         |      |                 | S3               | 13     | 4.2 ± 1.0     | NS   |
| P               | <i>Symphyotrichum boreale</i>                              | Boreal Aster                         |         |      |                 | S3               | 63     | 33.3 ± 0.0    | NS   |
| P               | <i>Symphyotrichum ciliolatum</i>                           | Fringed Blue Aster                   |         |      |                 | S3               | 2      | 26.5 ± 0.0    | NS   |
| P               | <i>Betula pumila</i> var. <i>pumila</i>                    | Bog Birch                            |         |      |                 | S3               | 2      | 58.1 ± 7.0    | NS   |
| P               | <i>Betula michauxii</i>                                    | Michaux's Dwarf Birch                |         |      |                 | S3               | 14     | 48.9 ± 0.0    | NS   |
| P               | <i>Betula pumila</i>                                       | Bog Birch                            |         |      |                 | S3               | 9      | 36.3 ± 0.0    | NS   |
| P               | <i>Palustricodon aparinoides</i>                           | Marsh Bellflower                     |         |      |                 | S3               | 5      | 48.0 ± 5.0    | NS   |
| P               | <i>Lobelia kalmii</i>                                      | Brook Lobelia                        |         |      |                 | S3               | 95     | 29.6 ± 0.0    | NS   |
| P               | <i>Sagina nodosa</i>                                       | Knotted Pearlwort                    |         |      |                 | S3               | 3      | 35.7 ± 5.0    | NS   |
| P               | <i>Stellaria longifolia</i>                                | Long-leaved Starwort                 |         |      |                 | S3               | 1      | 18.2 ± 0.0    | NS   |
| P               | <i>Triosteum aurantiacum</i>                               | Orange-fruited Tinker's Weed         |         |      |                 | S3               | 190    | 34.9 ± 0.0    | NS   |
| P               | <i>Crassula aquatica</i>                                   | Water Pygmyweed                      |         |      |                 | S3               | 4      | 34.9 ± 7.0    | NS   |
| P               | <i>Empetrum eamesii</i>                                    | Pink Crowberry                       |         |      |                 | S3               | 1      | 88.1 ± 0.0    | NS   |
| P               | <i>Vaccinium uliginosum</i>                                | Alpine Bilberry                      |         |      |                 | S3               | 3      | 77.9 ± 0.0    | NS   |
| P               | <i>Halenia deflexa</i>                                     | Spurred Gentian                      |         |      |                 | S3               | 24     | 19.0 ± 0.0    | NS   |
| P               | <i>Myriophyllum verticillatum</i>                          | Whorled Water Milfoil                |         |      |                 | S3               | 5      | 33.4 ± 0.0    | NS   |
| P               | <i>Utricularia resupinata</i>                              | Inverted Bladderwort                 |         |      |                 | S3               | 1      | 59.1 ± 0.0    | NS   |
| P               | <i>Epilobium strictum</i>                                  | Downy Willowherb                     |         |      |                 | S3               | 21     | 13.4 ± 5.0    | NS   |
| P               | <i>Polygala sanguinea</i>                                  | Blood Milkwort                       |         |      |                 | S3               | 2      | 42.5 ± 0.0    | NS   |
| P               | <i>Persicaria arifolia</i>                                 | Halberd-leaved Tearthumb             |         |      |                 | S3               | 7      | 27.7 ± 0.0    | NS   |
| P               | <i>Plantago rugelii</i>                                    | Rugel's Plantain                     |         |      |                 | S3               | 1      | 46.3 ± 0.0    | NS   |
| P               | <i>Primula laurentiana</i>                                 | Laurentian Primrose                  |         |      |                 | S3               | 1      | 94.2 ± 7.0    | NS   |
| P               | <i>Samolus parviflorus</i>                                 | Seaside Brookweed                    |         |      |                 | S3               | 21     | 39.9 ± 0.0    | NS   |
| P               | <i>Pyrola minor</i>  | Lesser Pyrola                        |         |      |                 | S3               | 8      | 50.7 ± 2.0    | NS   |
| P               | <i>Anemone virginiana</i>                                  | Virginia Anemone                     |         |      |                 | S3               | 30     | 45.2 ± 0.0    | NS   |
| P               | <i>Galium kamtschaticum</i>                                | Northern Wild Licorice               |         |      |                 | S3               | 10     | 45.3 ± 0.0    | NS   |
| P               | <i>Galium labradoricum</i>                                 | Labrador Bedstraw                    |         |      |                 | S3               | 97     | 33.3 ± 0.0    | NS   |
| P               | <i>Salix pedicellaris</i>                                  | Bog Willow                           |         |      |                 | S3               | 12     | 35.9 ± 0.0    | NS   |
| P               | <i>Salix sericea</i>                                       | Silky Willow                         |         |      |                 | S3               | 1      | 74.0 ± 0.0    | NS   |
| P               | <i>Saxifraga paniculata</i> ssp. <i>laestadii</i>          | Laestadius' Saxifrage                |         |      |                 | S3               | 4      | 48.1 ± 7.0    | NS   |
| P               | <i>Lindernia dubia</i>                                     | Yellow-seeded False Pimperel         |         |      |                 | S3               | 4      | 17.5 ± 0.0    | NS   |
| P               | <i>Laportea canadensis</i>                                 | Canada Wood Nettle                   |         |      |                 | S3               | 19     | 13.9 ± 0.0    | NS   |
| P               | <i>Pilea pumila</i>  | Dwarf Clearweed                      |         |      |                 | S3               | 1      | 87.1 ± 6.0    | NS   |

| Taxonomic Group | Scientific Name                                     | Common Name                   | COSEWIC | SARA | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|---|-------------------------------|---------|------|-----------------|------------------|--------|---------------|------|
| P               | <i>Viola nephrophylla</i>                           | Northern Bog Violet           |         |      |                 | S3               | 9      | 19.4 ± 0.0    | NS   |
| P               | <i>Carex bebbii</i>                                 | Bebb's Sedge                  |         |      |                 | S3               | 33     | 39.4 ± 0.0    | NS   |
| P               | <i>Carex castanea</i>                               | Chestnut Sedge                |         |      |                 | S3               | 15     | 33.4 ± 0.0    | NS   |
| P               | <i>Carex cryptolepis</i>                            | Hidden-scaled Sedge           |         |      |                 | S3               | 15     | 13.5 ± 0.0    | NS   |
| P               | <i>Carex eburnea</i>                                | Bristle-leaved Sedge          |         |      |                 | S3               | 171    | 47.0 ± 5.0    | NS   |
| P               | <i>Carex hirtifolia</i>                             | Pubescent Sedge               |         |      |                 | S3               | 11     | 17.7 ± 0.0    | NS   |
| P               | <i>Carex lupulina</i>                               | Hop Sedge                     |         |      |                 | S3               | 9      | 49.0 ± 0.0    | NS   |
| P               | <i>Carex rosea</i>                                  | Rosy Sedge                    |         |      |                 | S3               | 5      | 48.8 ± 0.0    | NS   |
| P               | <i>Carex tenera</i>                                 | Tender Sedge                  |         |      |                 | S3               | 3      | 21.9 ± 1.0    | NS   |
| P               | <i>Carex tribuloides</i>                            | Blunt Broom Sedge             |         |      |                 | S3               | 13     | 17.8 ± 1.0    | NS   |
| P               | <i>Carex tuckermanii</i>                            | Tuckerman's Sedge             |         |      |                 | S3               | 2      | 79.7 ± 0.0    | NS   |
| P               | <i>Carex atratiformis</i>                           | Scabrous Black Sedge          |         |      |                 | S3               | 2      | 49.9 ± 7.0    | NS   |
| P               | <i>Eleocharis flavescens</i> var. <i>olivacea</i>   | Bright-green Spikerush        |         |      |                 | S3               | 3      | 51.8 ± 0.0    | NS   |
| P               | <i>Eleocharis quinqueflora</i>                      | Few-flowered Spikerush        |         |      |                 | S3               | 33     | 37.3 ± 0.0    | NS   |
| P               | <i>Eriophorum gracile</i>                           | Slender Cottongrass           |         |      |                 | S3               | 8      | 36.8 ± 0.0    | NS   |
| P               | <i>Schoenoplectus americanus</i>                    | Olney's Bulrush               |         |      |                 | S3               | 1      | 46.6 ± 0.0    | NS   |
| P               | <i>Juncus stygius</i> ssp. <i>americanus</i>        | Moor Rush                     |         |      |                 | S3               | 31     | 42.4 ± 1.0    | NS   |
| P               | <i>Oreojuncus trifidus</i>                          | Highland Rush                 |         |      |                 | S3               | 2      | 53.3 ± 0.0    | NS   |
| P               | <i>Cypripedium parviflorum</i>                      | Yellow Lady's-slipper         |         |      |                 | S3               | 109    | 26.4 ± 0.0    | NS   |
| P               | <i>Goodyera oblongifolia</i>                        | Menzies' Rattlesnake-plantain |         |      |                 | S3               | 12     | 78.0 ± 10.0   | NS   |
| P               | <i>Neottia bifolia</i>                              | Southern Twayblade            |         |      |                 | S3               | 47     | 1.4 ± 0.0     | NS   |
| P               | <i>Platanthera grandiflora</i>                      | Large Purple Fringed Orchid   |         |      |                 | S3               | 50     | 13.6 ± 0.0    | NS   |
| P               | <i>Platanthera hookeri</i>                          | Hooker's Orchid               |         |      |                 | S3               | 3      | 6.0 ± 0.0     | NS   |
| P               | <i>Poa glauca</i>                                   | Glaucous Blue Grass           |         |      |                 | S3               | 9      | 50.4 ± 0.0    | NS   |
| P               | <i>Stuckenia filiformis</i>                         | Thread-leaved Pondweed        |         |      |                 | S3               | 42     | 13.4 ± 0.0    | NS   |
| P               | <i>Potamogeton praelongus</i>                       | White-stemmed Pondweed        |         |      |                 | S3               | 15     | 25.3 ± 0.0    | NS   |
| P               | <i>Potamogeton richardsonii</i>                     | Richardson's Pondweed         |         |      |                 | S3               | 10     | 19.2 ± 0.0    | NS   |
| P               | <i>Potamogeton zosteriformis</i>                    | Flat-stemmed Pondweed         |         |      |                 | S3               | 9      | 59.6 ± 7.0    | NS   |
| P               | <i>Asplenium viride</i>                             | Green Spleenwort              |         |      |                 | S3               | 26     | 19.9 ± 0.0    | NS   |
| P               | <i>Dryopteris fragrans</i>                          | Fragrant Wood Fern            |         |      |                 | S3               | 4      | 6.4 ± 7.0     | NS   |
| P               | <i>Polystichum lonchitis</i>                        | Northern Holly Fern           |         |      |                 | S3               | 5      | 31.6 ± 5.0    | NS   |
| P               | <i>Sceptridium dissectum</i>                        | Dissected Moonwort            |         |      |                 | S3               | 2      | 67.7 ± 1.0    | NS   |
| P               | <i>Polypodium appalachianum</i>                     | Appalachian Polypody          |         |      |                 | S3               | 6      | 24.9 ± 0.0    | NS   |
| P               | <i>Persicaria amphibia</i> var. <i>emersa</i>       | Long-root Smartweed           |         |      |                 | S3?              | 1      | 59.1 ± 0.0    | NS   |
| P               | <i>Spiranthes ochroleuca</i>                        | Yellow Ladies'-tresses        |         |      |                 | S3?              | 3      | 35.8 ± 0.0    | NS   |
| P               | <i>Diphasiastrum x sabinifolium</i>                 | Savin-leaved Ground-cedar     |         |      |                 | S3?              | 12     | 52.3 ± 1.0    | NS   |
| P               | <i>Erigeron hyssopifolius</i>                       | Hyssop-leaved Fleabane        |         |      |                 | S3S4             | 82     | 47.0 ± 0.0    | NS   |
| P               | <i>Bidens beckii</i>                                | Water Beggarticks             |         |      |                 | S3S4             | 9      | 51.8 ± 0.0    | NS   |
| P               | <i>Packera paupercula</i>                           | Balsam Groundsel              |         |      |                 | S3S4             | 164    | 10.9 ± 0.0    | NS   |
| P               | <i>Atriplex glabriuscula</i> var. <i>franktonii</i> | Frankton's Saltbush           |         |      |                 | S3S4             | 4      | 2.2 ± 0.0     | NS   |
| P               | <i>Shepherdia canadensis</i>                        | Soapberry                     |         |      |                 | S3S4             | 143    | 53.6 ± 0.0    | NS   |
| P               | <i>Vaccinium boreale</i>                            | Northern Blueberry            |         |      |                 | S3S4             | 15     | 37.4 ± 2.0    | NS   |
| P               | <i>Vaccinium cespitosum</i>                         | Dwarf Bilberry                |         |      |                 | S3S4             | 20     | 66.2 ± 0.0    | NS   |
| P               | <i>Fagus grandifolia</i>                            | American Beech                |         |      |                 | S3S4             | 154    | 12.0 ± 0.0    | NS   |
| P               | <i>Bartonia virginica</i>                           | Yellow Bartonia               |         |      |                 | S3S4             | 1      | 36.4 ± 0.0    | NS   |
| P               | <i>Decodon verticillatus</i>                        | Swamp Loosestrife             |         |      |                 | S3S4             | 5      | 35.3 ± 7.0    | NS   |
| P               | <i>Persicaria pensylvanica</i>                      | Pennsylvania Smartweed        |         |      |                 | S3S4             | 10     | 13.0 ± 5.0    | NS   |
| P               | <i>Fallopia scandens</i>                            | Climbing False Buckwheat      |         |      |                 | S3S4             | 17     | 13.9 ± 0.0    | NS   |
| P               | <i>Rumex pallidus</i>                               | Seabeach Dock                 |         |      |                 | S3S4             | 1      | 48.4 ± 0.0    | NS   |
| P               | <i>Pyrola asarifolia</i>                            | Pink Pyrola                   |         |      |                 | S3S4             | 7      | 39.0 ± 0.0    | NS   |
| P               | <i>Endotropis alnifolia</i>                         | alder-leaved buckthorn        |         |      |                 | S3S4             | 477    | 14.2 ± 0.0    | NS   |
| P               | <i>Amelanchier spicata</i>                          | Running Serviceberry          |         |      |                 | S3S4             | 5      | 5.2 ± 0.0     | NS   |
| P               | <i>Fragaria vesca</i> ssp.                          | Woodland Strawberry           |         |      |                 | S3S4             | 72     | 20.4 ± 0.0    | NS   |

| Taxonomic Group | Scientific Name                           | Common Name                 | COSEWIC | SARA | Prov Legal Prot | Prov Rarity Rank | # recs | Distance (km) | Prov |
|-----------------|---|-----------------------------|---------|------|-----------------|------------------|--------|---------------|------|
| P               | <i>americana</i>                          |                             |         |      |                 |                  |        |               |      |
| P               | <i>Fragaria vesca</i>                     | Woodland Strawberry         |         |      |                 | S3S4             | 2      | 65.6 ± 0.0    | NS   |
| P               | <i>Galium aparine</i>                     | Common Bedstraw             |         |      |                 | S3S4             | 2      | 46.8 ± 0.0    | NS   |
| P               | <i>Geocaulon lividum</i>                  | Northern Comandra           |         |      |                 | S3S4             | 76     | 1.3 ± 0.0     | NS   |
| P               | <i>Limosella australis</i>                | Southern Mudwort            |         |      |                 | S3S4             | 4      | 43.5 ± 5.0    | NS   |
| P               | <i>Veronica serpyllifolia</i>             | Thyme-Leaved Speedwell      |         |      |                 | S3S4             | 65     | 17.6 ± 0.0    | NS   |
| P               | <i>Ulmus americana</i>                    | White Elm                   |         |      |                 | S3S4             | 67     | 12.8 ± 3.0    | NS   |
| P               | <i>Verbena hastata</i>                    | Blue Vervain                |         |      |                 | S3S4             | 36     | 38.0 ± 0.0    | NS   |
| P               | <i>Viola selkirkii</i>                    | Great-Spurred Violet        |         |      |                 | S3S4             | 1      | 8.3 ± 1.0     | NS   |
| P               | <i>Carex argyrantha</i>                   | Silvery-flowered Sedge      |         |      |                 | S3S4             | 1      | 68.2 ± 0.0    | NS   |
| P               | <i>Sisyrinchium atlanticum</i>            | Eastern Blue-Eyed-Grass     |         |      |                 | S3S4             | 1      | 89.8 ± 0.0    | NS   |
| P               | <i>Triglochin gaspensis</i>               | Gasp Arrowgrass             |         |      |                 | S3S4             | 6      | 10.9 ± 0.0    | NS   |
| P               | <i>Juncus acuminatus</i>                  | Sharp-Fruit Rush            |         |      |                 | S3S4             | 4      | 48.3 ± 0.0    | NS   |
| P               | <i>Juncus subcaudatus</i>                 | Woods-Rush                  |         |      |                 | S3S4             | 8      | 34.5 ± 0.0    | NS   |
| P               | <i>Luzula parviflora ssp. melanocarpa</i> | Black-fruited Woodrush      |         |      |                 | S3S4             | 13     | 76.6 ± 5.0    | NS   |
| P               | <i>Goodyera repens</i>                    | Lesser Rattlesnake-plantain |         |      |                 | S3S4             | 21     | 19.2 ± 0.0    | NS   |
| P               | <i>Liparis loeselii</i>                   | Loesel's Twayblade          |         |      |                 | S3S4             | 16     | 7.9 ± 0.0     | NS   |
| P               | <i>Platanthera obtusata</i>               | Blunt-leaved Orchid         |         |      |                 | S3S4             | 10     | 6.4 ± 10.0    | NS   |
| P               | <i>Platanthera orbiculata</i>             | Small Round-leaved Orchid   |         |      |                 | S3S4             | 6      | 22.2 ± 0.0    | NS   |
| P               | <i>Alopecurus aequalis</i>                | Short-awned Foxtail         |         |      |                 | S3S4             | 16     | 18.8 ± 0.0    | NS   |
| P               | <i>Dichanthelium clandestinum</i>         | Deer-tongue Panic Grass     |         |      |                 | S3S4             | 87     | 66.2 ± 0.0    | NS   |
| P               | <i>Panicum philadelphicum</i>             | Philadelphia Panicgrass     |         |      |                 | S3S4             | 1      | 29.7 ± 0.0    | NS   |
| P               | <i>Koeleria spicata</i>                   | Narrow False Oats           |         |      |                 | S3S4             | 3      | 53.7 ± 0.0    | NS   |
| P               | <i>Asplenium trichomanes</i>              | Maidenhair Spleenwort       |         |      |                 | S3S4             | 6      | 6.0 ± 0.0     | NS   |
| P               | <i>Equisetum pratense</i>                 | Meadow Horsetail            |         |      |                 | S3S4             | 21     | 34.6 ± 0.0    | NS   |
| P               | <i>Diphasiastrum complanatum</i>          | Northern Ground-cedar       |         |      |                 | S3S4             | 4      | 35.3 ± 5.0    | NS   |
| P               | <i>Diphasiastrum sitchense</i>            | Sitka Ground-cedar          |         |      |                 | S3S4             | 23     | 4.9 ± 0.0     | NS   |
| P               | <i>Huperzia appressa</i>                  | Mountain Firmoss            |         |      |                 | S3S4             | 1      | 50.2 ± 1.0    | NS   |
| P               | <i>Sceptridium multifidum</i>             | Leathery Moonwort           |         |      |                 | S3S4             | 5      | 38.4 ± 10.0   | NS   |
| P               | <i>Botrychium matricariifolium</i>        | Daisy-leaved Moonwort       |         |      |                 | S3S4             | 4      | 18.4 ± 10.0   | NS   |
| P               | <i>Viola canadensis</i>                   | Canada Violet               |         |      |                 | SH               | 1      | 54.2 ± 0.0    | NS   |

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APPENDIX M  
TRANSMISSION INTERCONNECTION LINE FIELD RESULTS

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Photo 1: WC1



Photo 2: WC2



Photo 3: WC3



Photo 4: WC4





Photo 5: WC5



Photo 6: WC6



Photo 7: WC7 flowing towards WC8 in LLWU ditch (WC7 and WC8 merge and flow underneath the LLWU access road via culvert towards Landrie Lake)



Photo 8: WC8





Photo 9: WC9



Photo 10: WC10



Photo 11: WC11



| Watercourse ID | Primary Watershed       | Secondary Watershed    | Watercourse Class | Habitat                 | Flow Direction | General Characteristics (m) |             |               |             |            | Substrate Composition (%) |         |        |        |        |      |            | Instream Cover (Trace, Moderate, Abundant) |                        |                    |                    |            |                | Bank Description | Fish Bearing?   | Riparian Area                                |   | Additional Notes |   |
|----------------|-------------------------|------------------------|-------------------|-------------------------|----------------|-----------------------------|-------------|---------------|-------------|------------|---------------------------|---------|--------|--------|--------|------|------------|--|------------------------|--------------------|--------------------|------------|----------------|------------------|---|--|---|------------------|---|
|                |                         |                        |                   |                         |                | Channel Depth               | Water depth | Channel Width | Water Width | Pool Depth | Bedrock                   | Boulder | Rubble | Cobble | Gravel | Sand | Fines/Muck | Boulders                                   | Overhanging Vegetation | Large Woody Debris | Small Woody Debris | Deep Pools | Undercut Banks |                  |   | Instream Vegetation                          | Habitat Types Present                             |                  | Dominant Habitat  |
| WC1            | River Inhabitants (1FA) | Little River (1FA-2)   | Small Permanent   | Run, Flat, Riffle, Pool | East           | 0.28                        | 0.08        | 0.96          | 0.82        | 0.25       | 0                         | 0       | 0      | 30     | 30     | 20   | 20         | None                                       | Moderate               | Trace              | Trace              | Moderate   | Abundant       | None             | Undercut  | Possible                                     | Herbaceous, Softwood, Hardwood                    | Softwood         |   |
| WC2            | River Inhabitants (1FA) | Little River (1FA-2)   | Large Permanent   | Flat, Run, Pool         | East           | 0.15                        | 0.40        | 4.00          | 3.00        | 0.45       | 0                         | 0       | 0      | 0      | 10     | 40   | 50         | None                                       | Abundant               | Moderate           | Moderate           | Abundant   | Moderate       | None             | Vegetated, Undercut, Good Condition, Muddy  | Possible                                     | Shrub, Softwood                                   | Shrub            | Observed amphibians. Large significant watercourse. Possible Wood turtle habitat.                                       |
| WC3            | River Inhabitants (1FA) | Little River (1FA-2)   | Small Permanent   | Riffle, Run, Flat, Pool | East           | 0.03                        | 0.10        | 1.15          | 0.90        | 0.15       | 0                         | 0       | 0      | 0      | 10     | 45   | 45         | None                                       | Trace                  | Moderate           | Abundant           | None       | Moderate       | None             | Undercut, Vegetated, Good Condition   | Possible                                     | Hardwood, Softwood, Herbaceous                    | Softwood         |   |
| WC4            | River Inhabitants (1FA) | Little River (1FA-2)   | Small Permanent   | Riffle, Run, Pool       | North          | 0.20                        | 0.08        | 0.50          | 0.45        | 0.14       | 0                         | 0       | 0      | 20     | 30     | 50   | 0          | None                                       | Moderate               | None               | Moderate           | None       | None           | None             | Well defined, Good Condition, Vegetated   | Unlikely - Barriers to Fish Passage Observed | Herbaceous, Shrub, Hardwood                       | Hardwood         | Water level low for fish passage obstructions caused by small woody material observed. Starts underground in a wetland. |
| WC5            | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Small Permanent   | Riffle, Run, Pool, Flat | South          | 0.30                        | 0.15        | 1.50          | 1.00        | 0.40       | 15                        | 20      | 30     | 15     | 10     | 5    | 0          | None                                       | Moderate               | None               | None               | Trace      | None           | None             | Vegetated, Undercut, Eroded, Well defined, Sloped   | Possible                                     | Herbaceous, Softwood, Hardwood, Graminoids, Shrub | Softwood         | Low water levels. Very low flow.  |
| WC6            | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Small Permanent   | Riffle, Run, Pool       | East           | 0.30                        | 0.10        | 0.80          | 0.70        | 0.12       | 0                         | 0       | 10     | 25     | 10     | 10   | 45         | None                                       | Abundant               | Trace              | Moderate           | None       | Trace          | Trace            | Undercut, Vegetated, Muddy  | Possible                                     | Herbaceous, Graminoids, Shrub, Hardwood           | Herbaceous       |   |
| WC7            | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Small Permanent   | Run, Riffle             | East           | 0.50                        | 0.10        | 1.25          | 0.45        | 0.10       | 0                         | 0       | 5      | 10     | 35     | 30   | 20         | None                                       | Moderate               | Trace              | Trace              | None       | None           | None             | Good Condition. Banks are sloped/graded (constructed watercourse/ditch draining water away from the existing Point Tupper Terminal) | Possible                                     | Herbaceous, Graminoids, Shrub, Softwood           | Softwood         | Constructed watercourse/ditch   |
| WC8            | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Small Permanent   | Run, Riffle             | East           | 0.5                         | 0.10        | 1.50          | 0.50        | No pools   | 0                         | 0       | 10     | 20     | 30     | 30   | 10         | None                                       | Trace                  | None               | Trace              | None       | None           | Trace            | Good Condition. Banks are sloped/graded (constructed watercourse/ditch draining water away from the existing Point Tupper Terminal) | Possible                                     | Herbaceous, Graminoids, Shrub, Softwood           | Softwood         | Constructed watercourse/ditch   |
| WC9            | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Intermittent      | Flat, Run, Riffle       | North          | 0.10                        | 0.15        | 0.50          | 0.50        | No pools   | 0                         | 0       | 0      | 0      | 0      | 0    | 100        | None                                       | Abundant               | Trace              | Abundant           | None       | None           | Moderate         | Muddy, Vegetated  | Unlikely - Barriers to Fish Passage Observed | Shrub, Herbaceous, Graminoids, Softwood, Hardwood | Shrub            |   |
| WC10           | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Small Permanent   | Riffle, Run             | North          | 0.60                        | 0.15        | 1.20          | 0.90        | No pools   | 0                         | 0       | 0      | 10     | 25     | 10   | 55         | None                                       | None                   | None               | Abundant           | None       | Trace          | None             | Eroded, Undercut, Well defined, Sloped, Muddy   | Unlikely - Barriers to Fish Passage Observed | Herbaceous, Softwood, Hardwood                    | Hardwood         | Drainage channels feeding into main channel.  |
| WC11           | River Inhabitants (1FA) | Landrie Lake (1FD-SD6) | Intermittent      | Riffle, Run             | East           | 0.05                        | 0.10        | 0.75          | 0.75        | No pools   | 0                         | 0       | 0      | 0      | 10     | 10   | 80         | None                                       | Abundant               | Moderate           | Moderate           | None       | None           | Trace            | Vegetated, Muddy, Good Condition  | Possible                                     | Shrub, Herbaceous, Graminoids, Softwood, Hardwood | Shrub            |   |



Photo 1: WL1



Photo 2: WL2



Photo 3: WL3



Photo 4: WL4





Photo 5: WL5



Photo 6: WL6



Photo 7: WL7



Photo 8: WL8





Photo 9: WL9



Photo 10: WL10



Photo 11: WL11



Photo 12: WL12





Photo 13: WL13



Photo 14: WL14



Photo 15: WL15



Photo 16: WL16





Photo 17: WL17



Photo 18: WL18



Photo 19: WL19



Photo 20: WL20





Photo 21: WL21



Photo 22: WL22



Photo 23: WL23



Photo 24: WL24





Photo 25: WL25



Photo 26: WL26



Photo 27: WL27



Photo 28: WL28





Photo 29: WL29



Photo 30: WL30



Photo 31: WL31



Photo 32: WL32





Photo 33: WL33



Photo 34: WL34



Photo 35: WL35



Photo 36: WL36





Photo 37: WL37



Photo 38: WL38



photo 39: WL39



Photo 40: WL40



| Wetland ID | Upland Characteristics and Habitat |   |   |  |   |  | Wetland Characteristics and Habitat |                                |   |  |                     |               |   |   |  |  | Full or Partial Delineation | Mapped WSS |
|------------|------------------------------------|---|---|--|---|--|-------------------------------------|--------------------------------|---|--|---------------------|---------------|---|---|--|--|-----------------------------|------------|
|            | Dominant Habitat                   | Habitat Notes   | Soils Types   | Herbaceous Layer   | Shrub Layer                                 | Tree Layer   | Landform                            | Wetland Type (dominant, other) | Soil Types  | Soil Notes   | Substrate Depth (m) | Waterflow     | Hydrological Indicators   | Herbaceous Layer  | Shrub Layer  | Tree Layer   |                             |            |
| WL1        | Softwood                           | None  | Medium brown clay and sand  | Brown moss, club moss, Canadian bunchberry   | Wild raisin, black spruce                   | Black spruce, eastern tamarack                                     | Flat                                | Treed Swamp                    | Depleted Matrix (F3)  | 0-8 cm rootmass, 8-18 cm dark organic, 18-30 cm depleted matrix                | 0.2-0.4             | None apparent | High Water Table  | Labrador tea, cinnamon fern, sphagnum   | Black spruce, wild raisin  | Black spruce, eastern tamarack   | Full                        | No         |
| WL2        | Softwood                           | None  | Medium brown clay and sand  | Bunchberry, brown moss, bracken fern   | Wild raisin                                 | Black spruce, eastern tamarack                                     | Basin                               | Bog                            | Histosol (40cm) (A1)  | Peat   | 0.2-0.4             | None apparent | High Water Table, Saturation                                      | Labrador tea, cinnamon fern, twary cottongrass, bog cranberry   | Wild raisin, red maple   | Black spruce   | Partial                     | Yes        |
| WL3        | Softwood                           | None  | Loam  | None   | None  | Black spruce, red maple  | Fringe                              | Fen, Shrub Swamp               | Histic epipedon (20cm) (A2)                                   | None   | 0.2-0.4             | East          | Surface Water   | Sphagnum, New York fern   | Speckled alder   | Black spruce   | Partial                     | Yes        |
| WL4        | Mixedwood                          | None  | 0-5 cm organic material and rootmass, 5-20 cm light brown clay and silt | Club moss, brown moss, Canadian bunchberry bracken fern  | Balsam fir, black spruce                    | Eastern tamarack, red maple, white pine, black spruce, white birch | Basin                               | Treed Swamp                    | Depleted Below Dark Surface (A1)                              | Iron oxidation   | <0.2                | None apparent | High Water Table, Saturation                                      | Twary cottongrass, Canadian bunchberry, rough-stemmed goldenrod, sphagnum, eastern marsh fern   | Wild raisin, black spruce, red maple, balsam fir, eastern tamarack | Balsam fir, red maple, black spruce, white birch                             | Partial                     | No         |
| WL5        | Softwood                           | None  | Medium brown loam   | bracken fern, Canadian bunchberry  | Balsam fir                                  | Black spruce, red maple  | Flat                                | Treed Swamp                    | Histic epipedon (20cm) (A2)                                   | None   | 0.2-0.4             | North         | Surface Water, High Water Table                                   | Cinnamon fern, New York fern, sphagnum, twary cottongrass   | Yellow birch, wild raisin, red maple, black spruce                 | Red maple, black spruce, yellow birch  | Partial                     | No         |
| WL6        | Mixedwood                          | On slope, mature and pole stage trees                   | Loam. 0-5 cm organic and rootmass, 5-20 cm light brown sand and silt    | Canadian bunchberry, Canada mayflower, brown moss, bracken fern  | Balsam fir, black spruce                    | Red maple, black spruce, balsam fir, yellow birch, white birch     | Slope to basin                      | Treed Swamp, Bog               | Histosol (40cm) (A1), Depleted Below Dark Surface (A1)        | Iron oxidation   | 0.2-0.4             | North         | Surface Water, High Water Table                                   | Cinnamon fern, sensitive fern, sphagnum, twary cottongrass, marsh fern, bracken fern  | Black spruce, red maple, wild raisin, balsam fir                   | Black spruce, red maple  | Partial                     | No         |
| WL7        | Mixedwood                          | On slope  | 0-6cm organic and rootmass, 6-20 cm light brown sandy clay              | Lady slipper, northern starflower, Canadian bunchberry, brown moss, bracken fern                           | Balsam fir, eastern white pine, wild raisin | Red maple, balsam fir, white pine, white birch                     | Basin                               | Bog                            | Depleted Below Dark Surface (A1)                              | 0-100cm sphagnum, 100-120 cm depleted clay, Water table is 20 cm below surface | >1.0                | None apparent | High Water Table, Saturation                                      | Twary cottongrass, sphagnum, labrador tea, cinnamon fern, Canadian bunchberry, bog cranberry, pale bog laurel, Canada goldenrod         | Black spruce, eastern tamarack, wild raisin, red maple             | Black spruce   | Partial                     | Yes        |
| WL8        | Softwood                           | Pole stage forest with few mature trees                 | 0-5cm organic matter and rootmass, 5-20cm light brown clay and silt     | Canada mayflower, Canadian bunchberry, clover, brown moss  | Balsam fir                                  | Balsam fir, red maple  | Basin                               | Treed Swamp                    | Depleted Below Dark Surface (A1)                              | Iron oxidation in mineral soil   | <0.2                | None apparent | Surface Water, Saturation, High Water Table, Drainage Patterns    | Sphagnum, marsh fern, cinnamon fern, soft rush  | Wild raisin, eastern tamarack, red maple, white birch              | Balsam fir, red maple, black spruce, white birch                             | Partial                     | No         |
| WL9        | Softwood                           | Open canopy   | Light brown clay and silt   | Bunchberry, bracken fern   | Wild raisin                                 | Black spruce, eastern tamarack                                     | Basin                               | Treed Swamp                    | Depleted Below Dark Surface (A1)                              | Iron oxidation   | 0.2-0.4             | None apparent | High Water Table  | Creeping snowberry, Canadian bunchberry, sphagnum, Labrador tea   | Wild raisin  | Black spruce, white birch, eastern tamarack                                  | Partial                     | No         |
| WL10       | Softwood                           | Large percent of standing dead, open canopy to the west | 0-6cm organic matter and rootmass, 6-14 cm light brown clay and silt    | Club moss, brown moss, labrador tea  | Eastern tamarack, black spruce, wild raisin | Black spruce, eastern tamarack                                     | Basin                               | Bog                            | Histic epipedon (20cm) (A2)                                   | Iron oxidation in mineral soil (clay)  | 0.2-0.4             | None apparent | Saturation  | Labrador tea, sphagnum, cinnamon fern, bog cranberry, creeping snowberry, twary cottongrass   | Black spruce, wild raisin  | Black spruce   | Partial                     | Yes        |
| WL11       | Mixedwood                          | None  | Medium brown silty sand   | Brown moss, Canadian bunchberry, bracken fern  | Wild raisin                                 | Black spruce, eastern tamarack, balsam fir                         | Flat                                | Treed Swamp                    | Histic epipedon (20cm) (A2)                                   | None   | <0.2                | None apparent | Saturation, Drainage Patterns, Water Stained Leaves               | Canadian bunchberry, northern starflower, wild raisin, cinnamon fern, sphagnum  | Wild raisin, balsam fir  | Black spruce, eastern tamarack, red maple, balsam fir                        | Partial                     | Yes        |
| WL12       | Mixedwood                          | Two-aged  | Medium brown silty sand   | Bracken fern, Canadian bunchberry, Canada mayflower, brown moss  | Wild raisin, balsam fir, black spruce       | Red maple, white birch, balsam fir, black spruce                   | Basin                               | Treed Swamp                    | Histic epipedon (20cm) (A2)                                   | None   | <0.2                | None apparent | Saturation, Water Stained Leaves                                  | Canadian bunchberry, sphagnum, cinnamon fern, wild raisin, red raspberry  | Wild raisin, black spruce  | Red maple, black spruce, eastern tamarack                                    | Partial                     | Yes        |
| WL13       | Mixedwood                          | Edge of transmission line right of way                  | 0-6 cm organic material 6-14 cm light brown clay and silt               | Bracken fern, Canadian bunchberry, highbush blueberry, sallow sedge, northern starflower, Canada mayflower | Wild raisin, red maple, mountain holly      | Red maple, black spruce, eastern tamarack, white birch             | Basin                               | Shrub Swamp, Marsh             | Histic epipedon (20cm) (A2)                                   | Redox features throughout  | 0.2-0.4             | None apparent | Saturation, High Water Table                                      | Cinnamon fern, common water parsnip, twary cottongrass, common spikerush, sphagnum, bog cranberry, labrador tea, broom sedge, soft rush | Wild raisin, white birch, mountain holly                           | Black spruce, red maple eastern tamarack                                     | Full                        | Yes        |
| WL14       | Softwood                           | Mature tree with herbaceous understory                  | 0-6 cm organic, 6-20cm light brown clay and silt                        | Bracken fern, wood fern, Canadian bunchberry, northern starflower, brown moss                              | Wild raisin                                 | Black spruce, red maple, balsam fir                                | Slope to basin                      | Treed Swamp                    | Depleted Below Dark Surface (A1)                              | Redox features and iron oxidation  | <0.2                | None apparent | Saturation, High Water Table, Water Stained Leaves, Surface Water | Sphagnum, New York fern, worlded wood aster, Jack-in-the-pulpit, marsh fern, swamp dewberry, common vecht                               | Wild raisin, balsam fir  | Balsam fir, red maple, black spruce, yellow birch                            | Partial                     | No         |
| WL15       | Mixedwood                          | None  | 0-10cm organic loam, 10-20cm white brown clay and silt                  | Canadian bunchberry, Canada mayflower, bracken fern, northern starflower, brown moss                       | Balsam fir                                  | Black spruce, red maple, balsam fir                                | Basin                               | Treed Swamp                    | Depleted Below Dark Surface (A1)                              | Iron oxidation   | <0.2                | None apparent | High Water Table  | Sphagnum, sensitive fern, swamp dewberry, marsh fern, Canada goldenrod, cinnamon fern   | Wild raisin, speckled alder, american mountain ash                 | American mountain ash, red maple, eastern tamarack, balsam fir, black spruce | Partial                     | No         |
| WL16       | Softwood                           | None  | Medium brown clay and silt  | Bracken fern, brown moss, yellow bluebead lily, Canadian bunchberry  | Wild raisin, balsam fir                     | Black spruce, red maple, balsam fir                                | Basin                               | Treed Swamp                    | Histic epipedon (20cm) (A2), Depleted Below Dark Surface (A1) | None   | <0.2                | None apparent | Saturation, Surface Water, Water Stained Leaves                   | Sphagnum, cinnamon fern, sensitive fern, Canadian bunchberry, marsh fern  | Wild raisin, black spruce  | Black spruce, red maple eastern tamarack                                     | Partial                     | No         |
| WL17       | Softwood                           | None  | 0-10cm organic, 10-15cm light brown to orange sandy clay                | Red-stemmed feather moss, New York fern  | Balsam fir, mountain holly                  | Red spruce, red maple, balsam fir                                  | Basin                               | Treed Swamp                    | Depleted Matrix (F3)  | 6/4 10 yr, greyed with redox features  | <0.2                | None apparent | Saturation, Water Stained Leaves                                  | Sphagnum, cinnamon fern, New York fern  | Balsam fir, mountain holly, black spruce                           | Black spruce, red maple, tamarack, yellow birch, balsam fir                  | Partial                     | No         |

| Wetland ID | Upland Characteristics and Habitat |  |  |  |   |  | Wetland Characteristics and Habitat |                                |  |   |                     |               |   |  |  |   |         | Full or Partial Delineation | Mapped WSS |
|------------|------------------------------------|--|--|--|---|--|-------------------------------------|--------------------------------|--|---|---------------------|---------------|---|--|--|---|---------|-----------------------------|------------|
|            | Dominant Habitat                   | Habitat Notes  | Soils Types  | Herbaceous Layer   | Shrub Layer                                 | Tree Layer   | Landform                            | Wetland Type (dominant, other) | Soil Types   | Soil Notes  | Substrate Depth (m) | Waterflow     | Hydrological Indicators   | Herbaceous Layer   | Shrub Layer  | Tree Layer  |         |                             |            |
| WL18       | Mixedwood                          | None   | 0-5 cm organic layer, 5-10 cm of light brown sand  | Red-stemmed feather moss, cinnamon fern, twinflower, Canada mayflower, goldthread, northern starflower | Red maple, balsam fir                       | Yellow birch, red maple, balsam fir                          | Flat                                | Treed Swamp                    | Loamy Gleyed Matrix (F2)                             | 0-20 cm organic with gley, 20-35 cm greyed matrix   | 0.2-0.4             | None apparent | Saturation, Water Stained Leaves, Surface Water, Water Marks, Drainage Patterns                       | Cinnamon fern, sphagnum  | Balsam fir   | Yellow birch, black spruce, balsam fir                                | Partial | No                          |            |
| WL19       | Softwood                           | Even age stand with thick moss in understory and very little shrub cover | 0-3cm organic, 3-25cm 75yr 5/6   | Red-stemmed feather moss, three-lobed whipwort, bracken fern   | None  | Balsam fir, black spruce                                     | Flat                                | Shrub Swamp, Treed Swamp       | Histic epipedon (20cm) ( A2), Thin Dark Surface (S9) | 0-15cm organic, 15-30cm-75 YR 4/6 50%, 15-30cm-gley1 7/10Y  | 0.2-0.4             | None apparent | Sparsely Vegetated Concave Surface, Saturation, High Water Table, Surface Water, Water Stained Leaves | Cinnamon fern, Canadian bunchberry, creeping snowberry, bog aster, yellow bluebead lily                                      | Speckled alder   | Speckled alder, red maple, eastern tamarack, balsam fir, black spruce | Partial | Yes                         |            |
| WL20       | Mixedwood                          | Single aged  | 0-10 cm organic, 10-20 cm med brown to orange sandy clay                                 | Red-stemmed feather moss, northern starflower, wild raisin, bracken fern                               | Red spruce, balsam fir, eastern white pine  | Balsam fir, red spruce, red maple, yellow birch, white birch | Slope                               | Treed Swamp                    | Depleted Below Dark Surface ( A1)                    | 15 cm organic, 5 cm gley matrix, 20-40 cm gley matrix with redox features   | 0.2-0.4             | South         | Water Stained Leaves, Drainage Patterns, Sparsely Vegetated Concave Surface, Saturation               | Cinnamon fern, sphagnum  | Balsam fir, red maple  | Balsam fir, red maple, eastern tamarack                               | Partial | No                          |            |
| WL21       | Mixedwood                          | Multi age  | 0-5cm organic, 5-10 cm light brown sandy clay, 10-20 cm light brown to orange sandy clay | Goldthread, red-stemmed feather moss, New York fern, twinflower  | Balsam fir, red spruce                      | White birch, red maple, balsam fir                           | Basin                               | Treed Swamp                    | Histic epipedon (20cm) ( A2)                         | 20 cm organic mixed with dark soil  | <0.2                | South         | Water Stained Leaves  | New York fern, sphagnum, goldthread  | Balsam fir   | Red maple, balsam fir   | Full    | No                          |            |
| WL22       | Hardwood                           | None   | 0-5cm organic, 5-20 cm light brown to orange sandy clay                                  | Red-stemmed feather moss, Canada mayflower, bunchberry   | Yellow birch, red maple                     | Yellow birch, red maple, balsam fir, white birch             | Flat                                | Treed Swamp                    | Depleted Dark Surface (F7)                           | 75 YR 5/3, 0-10 cm organic, 10-20 cm depleted matrix with redox features  | <0.2                | None apparent | Water Stained Leaves, Saturation, Water Marks   | Sphagnum, New York fern, cinnamon fern   | None   | Red maple, balsam fir, yellow birch                                   | Full    | No                          |            |
| WL23       | Softwood                           | Two-aged   | 0-10 cm organic, 10-20 cm light brown to orange sandy clay                               | Bunchberry, northern starflower, goldthread, bracken fern, red-stemmed feather moss, Canada mayflower  | Balsam fir, white pine, black spruce        | Black spruce, red maple, balsam fir                          | Basin                               | Bog                            | Depleted Below Dark Surface ( A1)                    | Organic to 5 cm, greyed matrix, max soil depth reached at 1m. Saturated at 15 cm  | <0.2                | None apparent | High Water Table, Surface Water   | Tawny cottongrass, sphagnum, cinnamon fern, labrador tea, leatherleaf, swamp yellow loosestrife, white beakrush, Canada rush | Eastern tamarack, black spruce, red maple                              | Eastern tamarack, black spruce  | Partial | No                          |            |
| WL24       | Softwood                           | None   | 0-5 cm organic, 5-10 cm light brown sandy clay, rock refusal on auger                    | Red-stemmed feather moss, Canadian bunchberry, bracken fern, sheep laural                              | Balsam fir, black spruce                    | Black spruce, balsam fir                                     | Basin                               | Treed Swamp                    | Other (problematic Hydric soils)                     | 0-20cm organic, 20-35 organic, 35-40 dense muck with beginning of redox features  | 0.2-0.4             | None apparent | Hydrogen Sulfide Odour, Saturation  | Sphagnum, sheep laural, cinnamon fern, Canadian bunchberry, bog cranberry, creeping snowberry, broad-leaved cattail          | Balsam fir, black spruce   | Black spruce, balsam fir, red maple, eastern tamarack                 | Partial | No                          |            |
| WL25       | Mixedwood                          | None   | 0-5 cm organic, 5-15 cm light brown sandy clay, rock refusal on the auger                | Bracken fern, Canadian bunchberry, red-stemmed feather moss  | Balsam fir, black spruce                    | Black spruce, red maple, balsam fir                          | Basin                               | Treed Swamp                    | Stratified Layers (A5)                               | Small pockets of upland exclusions. 0-10 cm organic, 10-15 cm 7/6 75YR and redox features, 15-20 cm 7/1 75 YR Water intrusion noted | <0.2                | None apparent | Saturation, Drainage Patterns, Water Stained Leaves   | Sphagnum, cinnamon fern, New York fern, sheep laural   | None   | Red maple, balsam fir, black spruce                                   | Partial | No                          |            |
| WL26       | Softwood                           | Single aged stand Transition zone  | 0-15 Organic, 15-20 cm light brown sandy clay  | Red-stemmed feather moss, sphagnum   | Black spruce, wild raisin                   | Black spruce   | Flat                                | Bog                            | Depleted Below Dark Surface ( A1)                    | 0-10cm organic, 10-20 cm greyed matrix it's redox features  | <0.2                | None apparent | High Water Table, Saturation  | Sphagnum, Labrador tea, leatherleaf, tawny cottongrass   | Wild raisin, eastern tamarack, red maple, black spruce, red pine       | Eastern tamarack, black spruce  | Partial | Yes                         |            |
| WL27       | Softwood                           | None   | 0-5cm organic to bedrock refusal Exposed bedrock observed                                | Red-stemmed feather moss, gray reindeer lichen, sheep laurel, Canadian bunchberry, bracken fern        | Black spruce, wild raisin, eastern tamarack | Eastern tamarack, white pine, black spruce                   | Basin                               | Bog                            | Hydrogen Sulfide (A4)                                | 0-20cm organic layer 3/1 10 yr, 20-40cm gleyed matrix gley 1 6/N  | 0.2-0.4             | None apparent | Saturation, Water Stained Leaves, High Water Table, Drainage Patterns, Hydrogen Sulfide Odour         | Labrador tea, sheep laurel, sphagnum, dwarf raspberry, cinnamon fern   | Wild raisin, white meadowsweet, eastern tamarack, black spruce         | Eastern tamarack, black spruce, red maple                             | Partial | No                          |            |
| WL28       | Mixedwood                          | None   | 0-20cm organic with bedrock refusal  | Red-stemmed feather moss, bracken fern, Canadian bunchberry  | Black spruce, red maple                     | Red maple, black spruce, eastern tamarack                    | Basin                               | Treed Swamp                    | Histic epipedon (20cm) ( A2)                         | 0-15 organic, 15-20 cm of dark soils/muck. Water intrusion present  | <0.2                | None apparent | High Water Table, Surface Water, Saturation, Drainage Patterns, Hydrogen Sulfide Odour                | Sphagnum, cinnamon fern, New York fern, swamp dewberry, hairy flat-top white aster   | Black spruce, speckled alder, white birch                              | black spruce, red maple   | Partial | No                          |            |
| WL29       | Mixedwood                          | None   | 0-5 cm organic   | Red-stemmed feather moss   | Balsam fir, black spruce                    | Black spruce, balsam fir, white birch, red maple             | Basin                               | Bog                            | Depleted Dark Surface (F7)                           | 0-20cm of organic material with muck and water saturation   | <0.2                | None apparent | Surface Water, High Water Table, Saturation, Drainage Patterns, Hydrogen Sulfide Odour                | Sphagnum, northern long sedge, Canadian dewberry, sheep laurel   | Speckled alder, wild raisin, black spruce, red maple, eastern tamarack | Eastern tamarack, black spruce, red maple                             | Partial | No                          |            |
| WL30       | Softwood                           | None   | 0-10cm of organic to bedrock refusal   | Red-stemmed feather moss, yellow bluebead lily, sheep laurel   | Balsam fir, wild raisin, red spruce         | Red spruce, eastern tamarack, black spruce, red maple        | Basin                               | Treed Swamp                    | Histic epipedon (20cm) ( A2)                         | 0-20cm of 3/1 10yr Moist  | <0.2                | None apparent | Water Stained Leaves, Surface Water, Saturation, Hydrogen Sulfide Odour, Drainage Patterns            | Sphagnum, Cinnamon fern, whorled wood aster  | Wild raisin, balsam fir  | Balsam fir, black spruce, red maple, white birch                      | Partial | No                          |            |
| WL31       | Softwood                           | None   | 0-5 cm of organic to bedrock refusal   | Red-stemmed feather moss, Canadian bunchberry, sheep laurel, bracken fern                              | Balsam fir, black spruce, red maple         | Balsam fir, red maple  | Slope                               | Treed Swamp                    | Histic epipedon (20cm) ( A2)                         | 0-20cm of 2/1 10 yr moist   | <0.2                | None apparent | Surface Water, Drainage Patterns, Saturation  | Sphagnum, cinnamon fern  | American mountain ash, wild raisin, balsam fir, black spruce           | Balsam fir, black spruce, red maple, white birch, eastern tamarack    | Partial | No                          |            |

| Wetland ID | Upland Characteristics and Habitat |  |   |  |   |   | Wetland Characteristics and Habitat |                                |   |   |                     |               |  |   |   |  |         | Full or Partial Delineation | Mapped WSS |
|------------|------------------------------------|--|---|--|---|---|-------------------------------------|--------------------------------|---|---|---------------------|---------------|--|---|---|--|---------|-----------------------------|------------|
|            | Dominant Habitat                   | Habitat Notes                          | Soils Types   | Herbaceous Layer   | Shrub Layer   | Tree Layer  | Landform                            | Wetland Type (dominant, other) | Soil Types  | Soil Notes  | Substrate Depth (m) | Waterflow     | Hydrological Indicators  | Herbaceous Layer  | Shrub Layer                                 | Tree Layer                               |         |                             |            |
| WL32       | Mixedwood                          | None                                   | 0-5 cm organic, 5-20cm gray silty clay, dry                 | Red-stemmed feather moss, gray reindeer lichen, bracken fern, eastern teaberry, sheep laurel | Wild raisin, black spruce                                   | Eastern tamarack, black spruce, red maple                                     | Flat                                | Bog                            | Depleted Below Dark Surface ( A1)                                     | 0-15cm organic, 15-20cm of 7/1 10yr Moist                             | <0.2                | None apparent | High Water Table, Saturation, Drainage Patterns  | Sphagnum, northern pitcher plant, labrador tea, tawny cottongrass, leatherleaf  | Eastern tamarack, wild raisin, black spruce | Eastern tamarack, black spruce           | Partial | No                          |            |
| WL33       | Hardwood                           | None                                   | Medium brown sandy clay 0-10cm to bedrock refusal           | Red-stemmed feather moss, twinflower, Canadian bunchberry                                    | White birch, red maple, eastern tamarack, balsam fir        | White birch, red maple, balsam fir, eastern tamarack                          | Flat                                | Bog                            | Depleted Below Dark Surface ( A1)                                     | 0-5cm organic, 5-20cm of 7/10y gley 1                                 | <0.2                | None apparent | Surface Water, High Water Table, Saturation, Hydrogen Sulfide Odour                        | Sphagnum, tawny cottongrass, sheep laurel, northern pitcher plant, bog cranberry  | Eastern tamarack, black spruce              | Eastern tamarack, black spruce           | Partial | No                          |            |
| WL34       | Softwood                           | Steep slopes                           | 0-5cm of organic with sandy clay                            | Red-stemmed feather moss, Canadian bunchberry  | Balsam fir, black spruce                                    | Red spruce  | Basin                               | Treed Swamp                    | Depleted Below Dark Surface ( A1)                                     | 0-15cm organic, 15-20cm greyed matrix Moist                           | <0.2                | None apparent | Drainage Patterns, Water Stained Leaves, Saturation, Surface Water                         | Sphagnum moss, leatherleaf, sheep laurel, cinnamon fern   | Eastern tamarack, black spruce              | Red maple, white birch, eastern tamarack | Partial | No                          |            |
| WL35       | Softwood                           | Frequent wind disturbance              | Shallow soil 0-5 cm organic to bedrock refusal              | Red-stemmed feather moss, brown moss, bracken fern, sheep laurel                             | Black spruce, wild raisin, balsam fir, red maple            | Black spruce, red maple   | Basin                               | Bog                            | Sandy Mucky Mineral (S1)  | 0-5cm organic, 5-15cm muck, high water table, water observed at 30 cm | <0.2                | None apparent | Hydrogen Sulfide Odour, Saturation, High Water Table, Surface Water                        | Sphagnum, white beakrush, labrador tea, broad-leaved cattail, bog cranberry, cinnamon fern, tawny cottongrass, sheep laurel                                   | Eastern tamarack, red maple                 | Eastern tamarack, black spruce           | Partial | No                          |            |
| WL36       | Mixedwood                          | Steeply sloped topography, young stand | Organic layer 0-5cm, 5-7cm clay, refusal 8cm                | Northern starflower, Canada mayflower, brown moss, red-stemmed feather moss, goldthread      | Highbush blueberry, balsam fir, black spruce, striped maple | Balsam fir, red spruce, white birch, red maple, yellow birch, trembling aspen | Fringe                              | Floodplain, Marsh              | Histosol (40cm) (A1), Histic epipedon (20cm) (A2)                     | 0-20cm of 3/2 75yr  | <0.2                | East          | Surface Water, Saturation, Water Stained Leaves, Hydrogen Sulfide Odour, Drainage Patterns | Bluejoint reed grass, bristly dewberry, sensitive fern, rough-stemmed goldenrod, Broad-leaved cattail, sphagnum, soft rush, creeping buttercup, cinnamon fern | Red spruce, red maple, wild raisin          | Red maple, black spruce, white birch     | Partial | Yes                         |            |
| WL37       | Softwood                           | None                                   | 0-5 cm organic to refusal on bedrock                        | Gray reindeer lichen, bracken fern, sheep laurel   | Balsam fir, white birch                                     | White pine, white birch, balsam fir, black spruce                             | Basin                               | Bog                            | Sandy Mucky Mineral (S1)  | 0-5 organic, 15-20 muck   | <0.2                | None apparent | Saturation, High Water Table, Surface Water, Hydrogen Sulfide Odour                        | Sphagnum, leatherleaf, soft rush, bog cranberry, white beakrush, sheep laurel   | Eastern tamarack, black spruce, red maple   | Black spruce                             | Partial | No                          |            |
| WL38       | Clearing                           | ATV trail and cleared area             | Organic layer 0-5cm, refusal from bedrock                   | Club moss, bracken fern  | None  | Trembling aspen   | Basin                               | Shrub Swamp                    | Histic epipedon (20cm) ( A2)  | Saturated   | 0.2-0.4             | None apparent | Saturation, Drainage Patterns, High Water Table  | Sphagnum, broad-leaved cattail, nodding ladies'-tresses   | Speckled alder                              | Blue spruce, red maple                   | Partial | No                          |            |
| WL39       | Mixedwood                          | None                                   | Organic layer 0-10cm, sandy soils                           | Bracken fern   | Speckled alder  | Green ash, white birch, red maple, black spruce                               | Floodplain                          | Shrub Swamp                    | Histic epipedon (20cm) ( A2)  | None  | 0.2-0.4             | North         | Surface Water, Saturation, High Water Table, Drainage Patterns                             | Broad-leaved cattail, nodding ladies'-tresses   | Speckled alder                              | Speckled alder                           | Partial | No                          |            |
| WL40       | Mixedwood                          | None                                   | Organic layer 0-5cm, sandy/clay soils, refusal from bedrock | Collsfoot, bracken fern  | Red spruce  | Yellow birch, white birch, trembling aspen, red spruce                        | Basin                               | Shrub Swamp                    | Histic epipedon (20cm) (A2), Sandy Redox (S5), Thin Dark Surface (S9) | Silty muck  | 0.2-0.4             | North         | Drainage Patterns, High Water Table, Saturation, Water Stained Leaves                      | Sphagnum, speckled alder  | Speckled alder                              | Speckled alder, green ash                | Full    | No                          |            |