

APPENDIX B
SPECIES OF CONSERVATION INTEREST TABLES

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---|--------------------------------------|-----------------|-----------------|------------|--------|
| VASCULAR PLANTS | | | | | |
| <i>Fraxinus nigra</i> | Black Ash | Threatened | | Threatened | S1S2 |
| <i>Bartonia paniculata</i> ssp. <i>paniculata</i> | Branched Bartonia | Threatened | Threatened | | SNA |
| <i>Lilaeopsis chinensis</i> | Eastern Lilaeopsis | Special Concern | Special Concern | Vulnerable | S2 |
| <i>Isoetes prototypus</i> | Prototype Quillwort | Special Concern | Special Concern | Vulnerable | S2 |
| <i>Floerkea proserpinacoides</i> | False Mermaidweed | Not At Risk | | | S2 |
| <i>Cypripedium arietinum</i> | Ram's-Head Lady's-Slipper | | | Endangered | S1 |
| <i>Thuja occidentalis</i> | Eastern White Cedar | | | Vulnerable | S1 |
| <i>Acer saccharinum</i> | Silver Maple | | | | S1 |
| <i>Osmorhiza depauperata</i> | Blunt Sweet Cicely | | | | S1 |
| <i>Sanicula odorata</i> | Clustered Sanicle | | | | S1 |
| <i>Zizia aurea</i> | Golden Alexanders | | | | S1 |
| <i>Antennaria rosea</i> ssp. <i>arida</i> | Rosy Pussytoes | | | | S1 |
| <i>Antennaria parlinii</i> ssp. <i>fallax</i> | Parlin's Pussytoes | | | | S1 |
| <i>Bidens hyperborea</i> | Estuary Beggarticks | | | | S1 |
| <i>Nabalus racemosus</i> | Glaucous Rattlesnakeroot | | | | S1 |
| <i>Ageratina altissima</i> | White Snakeroot | | | | S1 |
| <i>Andersonglossum boreale</i> | Northern Wild Comfrey | | | | S1 |
| <i>Draba glabella</i> | Rock Whitlow-Grass | | | | S1 |
| <i>Lobelia spicata</i> | Pale-Spiked Lobelia | | | | S1 |
| <i>Stellaria crassifolia</i> | Fleshy Stitchwort | | | | S1 |
| <i>Hudsonia tomentosa</i> | Woolly Beach-heath | | | | S1 |
| <i>Elatine americana</i> | American Waterwort | | | | S1 |
| <i>Astragalus robbinsii</i> var. <i>minor</i> | Robbins' Milkvetch | | | | S1 |
| <i>Desmodium canadense</i> | Canada Tick-trefoil | | | | S1 |
| <i>Hylodesmum glutinosum</i> | Large Tick-trefoil | | | | S1 |
| <i>Ribes americanum</i> | Wild Black Currant | | | | S1 |
| <i>Fraxinus pennsylvanica</i> | Red Ash | | | | S1 |
| <i>Polygonum achoreum</i> | Leathery Knotweed | | | | S1 |
| <i>Persicaria careyi</i> | Carey's Smartweed | | | | S1 |
| <i>Montia fontana</i> | Water Blinks | | | | S1 |
| <i>Anemone parviflora</i> | Small-flowered Anemone | | | | S1 |
| <i>Clematis occidentalis</i> | Purple Clematis | | | | S1 |
| <i>Ranunculus pensylvanicus</i> | Pennsylvania Buttercup | | | | S1 |
| <i>Amelanchier nantucketensis</i> | Nantucket Serviceberry | | | | S1 |
| <i>Salix myrtillifolia</i> | Blueberry Willow | | | | S1 |
| <i>Salix serissima</i> | Autumn Willow | | | | S1 |
| <i>Agalinis purpurea</i> var. <i>parviflora</i> | Small-flowered Purple False Foxglove | | | | S1 |
| <i>Dirca palustris</i> | Eastern Leatherwood | | | | S1 |
| <i>Boehmeria cylindrica</i> | Small-spike False-nettle | | | | S1 |

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|--|------------------------------------|---------|------|--------|--------|
| <i>Pilea pumila</i> | Dwarf Clearweed | | | | S1 |
| <i>Carex chordorrhiza</i> | Creeping Sedge | | | | S1 |
| <i>Carex garberi</i> | Garber's Sedge | | | | S1 |
| <i>Carex granularis</i> | Limestone Meadow Sedge | | | | S1 |
| <i>Carex gynocrates</i> | Northern Bog Sedge | | | | S1 |
| <i>Carex haydenii</i> | Hayden's Sedge | | | | S1 |
| <i>Carex pellita</i> | Woolly Sedge | | | | S1 |
| <i>Carex laxiflora</i> | Loose-Flowered Sedge | | | | S1 |
| <i>Carex ormostachya</i> | Necklace Spike Sedge | | | | S1 |
| <i>Carex plantaginea</i> | Plantain-Leaved Sedge | | | | S1 |
| <i>Carex prairea</i> | Prairie Sedge | | | | S1 |
| <i>Carex tenuiflora</i> | Sparse-Flowered Sedge | | | | S1 |
| <i>Carex tincta</i> | Tinged Sedge | | | | S1 |
| <i>Carex viridula</i> var. <i>saxillitoralis</i> | Greenish Sedge | | | | S1 |
| <i>Cyperus lupulinus</i> ssp. <i>macilentus</i> | Hop Flatsedge | | | | S1 |
| <i>Scirpus atrovirens</i> | Dark-green Bulrush | | | | S1 |
| <i>Blysmopsis rufa</i> | Red Bulrush | | | | S1 |
| <i>Schoenoplectus torreyi</i> | Torrey's Bulrush | | | | S1 |
| <i>Iris prismatica</i> | Slender Blue Flag | | | | S1 |
| <i>Juncus secundus</i> | Secund Rush | | | | S1 |
| <i>Juncus vaseyi</i> | Vasey Rush | | | | S1 |
| <i>Allium tricoccum</i> | Wild Leek | | | | S1 |
| <i>Trillium grandiflorum</i> | White Trillium | | | | S1 |
| <i>Malaxis monophyllos</i> var. <i>brachypoda</i> | North American White Adder's-mouth | | | | S1 |
| <i>Bromus latiglumis</i> | Broad-Glumed Brome | | | | S1 |
| <i>Calamagrostis stricta</i> ssp. <i>inexpansa</i> | Slim-stemmed Reed Grass | | | | S1 |
| <i>Elymus wiegandii</i> | Wiegand's Wild Rye | | | | S1 |
| <i>Elymus hystrix</i> | Spreading Wild Rye | | | | S1 |
| <i>Grappheporum melicoides</i> | Purple False Oats | | | | S1 |
| <i>Adiantum pedatum</i> | Northern Maidenhair Fern | | | | S1 |
| <i>Equisetum palustre</i> | Marsh Horsetail | | | | S1 |
| <i>Selaginella rupestris</i> | Rock Spikemoss | | | | S1 |
| <i>Solidago hispida</i> | Hairy Goldenrod | | | | S1? |
| <i>Suaeda rolandii</i> | Roland's Sea-Blite | | | | S1? |
| <i>Carex pennsylvanica</i> | Pennsylvania Sedge | | | | S1? |
| <i>Bolboschoenus robustus</i> | Sturdy Bulrush | | | | S1? |
| <i>Dichanthelium lindheimeri</i> | Lindheimer's Panicgrass | | | | S1? |
| <i>Rudbeckia laciniata</i> | Cut-Leaved Coneflower | | | | S1S2 |
| <i>Arabis pycnocarpa</i> | Cream-flowered Rockcress | | | | S1S2 |
| <i>Cardamine maxima</i> | Large Toothwort | | | | S1S2 |
| <i>Proserpinaca intermedia</i> | Intermediate Mermaidweed | | | | S1S2 |

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|--|--------------------------------|---------|------|--------|--------|
| <i>Conopholis americana</i> | American Cancer-root | | | | S1S2 |
| <i>Anemone virginiana</i> var. <i>alba</i> | Virginia Anemone | | | | S1S2 |
| <i>Hepatica americana</i> | Round-lobed Hepatica | | | | S1S2 |
| <i>Gratiola neglecta</i> | Clammy Hedge-Hyssop | | | | S1S2 |
| <i>Carex livida</i> | Livid Sedge | | | | S1S2 |
| <i>Juncus greenei</i> | Greene's Rush | | | | S1S2 |
| <i>Juncus alpinoarticulatus</i> ssp. <i>americanus</i> | Northern Green Rush | | | | S1S2 |
| <i>Platanthera huronensis</i> | Fragrant Green Orchid | | | | S1S2 |
| <i>Calamagrostis stricta</i> ssp. <i>stricta</i> | Slim-stemmed Reed Grass | | | | S1S2 |
| <i>Cinna arundinacea</i> | Sweet Wood Reed Grass | | | | S1S2 |
| <i>Festuca subverticillata</i> | Nodding Fescue | | | | S1S2 |
| <i>Cryptogramma stelleri</i> | Steller's Rockbrake | | | | S1S2 |
| <i>Woodsia alpina</i> | Alpine Cliff Fern | | | | S1S2 |
| <i>Selaginella selaginoides</i> | Low Spikemoss | | | | S1S2 |
| <i>Carex vacillans</i> | Estuarine Sedge | | | | S1S3 |
| <i>Conioselinum chinense</i> | Chinese Hemlock-parsley | | | | S2 |
| <i>Osmorhiza longistylis</i> | Smooth Sweet Cicely | | | | S2 |
| <i>Erigeron philadelphicus</i> | Philadelphia Fleabane | | | | S2 |
| <i>Lactuca hirsuta</i> | Hairy Lettuce | | | | S2 |
| <i>Solidago multiradiata</i> | Multi-rayed Goldenrod | | | | S2 |
| <i>Symphyotrichum undulatum</i> | Wavy-leaved Aster | | | | S2 |
| <i>Symphyotrichum ciliolatum</i> | Fringed Blue Aster | | | | S2 |
| <i>Impatiens pallida</i> | Pale Jewelweed | | | | S2 |
| <i>Caulophyllum thalictroides</i> | Blue Cohosh | | | | S2 |
| <i>Boechnera stricta</i> | Drummond's Rockcress | | | | S2 |
| <i>Cardamine parviflora</i> | Small-flowered Bittercress | | | | S2 |
| <i>Draba arabisans</i> | Rock Whitlow-Grass | | | | S2 |
| <i>Stellaria humifusa</i> | Saltmarsh Starwort | | | | S2 |
| <i>Stellaria longifolia</i> | Long-leaved Starwort | | | | S2 |
| <i>Oxybasis rubra</i> | Red Goosefoot | | | | S2 |
| <i>Hudsonia ericoides</i> | Pinebarren Golden Heather | | | | S2 |
| <i>Hypericum majus</i> | Large St John's-wort | | | | S2 |
| <i>Crassula aquatica</i> | Water Pygmyweed | | | | S2 |
| <i>Oxytropis campestris</i> | Field Locoweed | | | | S2 |
| <i>Oxytropis campestris</i> var. <i>johannensis</i> | Field Locoweed | | | | S2 |
| <i>Myriophyllum farwellii</i> | Farwell's Water Milfoil | | | | S2 |
| <i>Myriophyllum verticillatum</i> | Whorled Water Milfoil | | | | S2 |
| <i>Oenothera fruticosa</i> ssp. <i>tetragona</i> | Narrow-leaved Evening Primrose | | | | S2 |
| <i>Persicaria arifolia</i> | Halberd-leaved Tearthumb | | | | S2 |
| <i>Rumex triangulivalvis</i> | Triangular-valve Dock | | | | S2 |

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|--|-----------------------------|---------|------|--------|--------|
| <i>Primula mistassinica</i> | Mistassini Primrose | | | | S2 |
| <i>Anemonastrum canadense</i> | Canada Anemone | | | | S2 |
| <i>Anemone quinquefolia</i> | Wood Anemone | | | | S2 |
| <i>Anemone virginiana</i> | Virginia Anemone | | | | S2 |
| <i>Anemone virginiana</i> var. <i>virginiana</i> | Virginia Anemone | | | | S2 |
| <i>Caltha palustris</i> | Yellow Marsh Marigold | | | | S2 |
| <i>Galium boreale</i> | Northern Bedstraw | | | | S2 |
| <i>Galium labradoricum</i> | Labrador Bedstraw | | | | S2 |
| <i>Salix pedicellaris</i> | Bog Willow | | | | S2 |
| <i>Salix sericea</i> | Silky Willow | | | | S2 |
| <i>Comandra umbellata</i> | Bastard's Toadflax | | | | S2 |
| <i>Saxifraga paniculata</i> ssp. <i>laestadii</i> | Laestadius' Saxifrage | | | | S2 |
| <i>Tiarella cordifolia</i> | Heart-leaved Foamflower | | | | S2 |
| <i>Viola nephrophylla</i> | Northern Bog Violet | | | | S2 |
| <i>Carex bebbii</i> | Bebb's Sedge | | | | S2 |
| <i>Carex capillaris</i> | Hairlike Sedge | | | | S2 |
| <i>Carex castanea</i> | Chestnut Sedge | | | | S2 |
| <i>Carex comosa</i> | Bearded Sedge | | | | S2 |
| <i>Carex hystericina</i> | Porcupine Sedge | | | | S2 |
| <i>Carex tenera</i> | Tender Sedge | | | | S2 |
| <i>Carex tuckermanii</i> | Tuckerman's Sedge | | | | S2 |
| <i>Carex atratifomis</i> | Scabrous Black Sedge | | | | S2 |
| <i>Vallisneria americana</i> | Wild Celery | | | | S2 |
| <i>Juncus stygius</i> ssp. <i>americanus</i> | Moor Rush | | | | S2 |
| <i>Allium schoenoprasum</i> | Wild Chives | | | | S2 |
| <i>Allium schoenoprasum</i> var. <i>sibiricum</i> | Wild Chives | | | | S2 |
| <i>Lilium canadense</i> | Canada Lily | | | | S2 |
| <i>Najas gracillima</i> | Thread-Like Naiad | | | | S2 |
| <i>Cypripedium parviflorum</i> var. <i>pubescens</i> | Yellow Lady's-slipper | | | | S2 |
| <i>Cypripedium parviflorum</i> var. <i>makasin</i> | Small Yellow Lady's-Slipper | | | | S2 |
| <i>Cypripedium reginae</i> | Showy Lady's-Slipper | | | | S2 |
| <i>Goodyera pubescens</i> | Downy Rattlesnake-Plantain | | | | S2 |
| <i>Platanthera flava</i> var. <i>flava</i> | Southern Rein Orchid | | | | S2 |
| <i>Platanthera flava</i> var. <i>herbiola</i> | Pale Green Orchid | | | | S2 |
| <i>Platanthera macrophylla</i> | Large Round-Leaved Orchid | | | | S2 |
| <i>Spiranthes lucida</i> | Shining Ladies'-Tresses | | | | S2 |
| <i>Calamagrostis stricta</i> | Slim-stemmed Reed Grass | | | | S2 |
| <i>Dichanthelium linearifolium</i> | Narrow-leaved Panic Grass | | | | S2 |
| <i>Piptatheropsis canadensis</i> | Canada Ricegrass | | | | S2 |

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| <i>Piptatheropsis pungens</i> | Slender Ricegrass | | | | S2 |
| <i>Potamogeton friesii</i> | Fries' Pondweed | | | | S2 |
| <i>Potamogeton richardsonii</i> | Richardson's Pondweed | | | | S2 |
| <i>Dryopteris fragrans</i> | Fragrant Wood Fern | | | | S2 |
| <i>Woodsia glabella</i> | Smooth Cliff Fern | | | | S2 |
| <i>Symphotrichum boreale</i> | Boreal Aster | | | | S2? |
| <i>Cuscuta cephalanthi</i> | Buttonbush Dodder | | | | S2? |
| <i>Epilobium coloratum</i> | Purple-veined Willowherb | | | | S2? |
| <i>Rumex persicarioides</i> | Peach-leaved Dock | | | | S2? |
| <i>Crataegus submollis</i> | Quebec Hawthorn | | | | S2? |
| <i>Carex peckii</i> | White-Tinged Sedge | | | | S2? |
| <i>Eleocharis ovata</i> | Ovate Spikerush | | | | S2? |
| <i>Scirpus pedicellatus</i> | Stalked Bulrush | | | | S2? |
| <i>Potamogeton pulcher</i> | Spotted Pondweed | | | Vulnerable | S2S3 |
| <i>Hieracium robinsonii</i> | Robinson's Hawkweed | | | | S2S3 |
| <i>Iva frutescens</i> | Big-leaved Marsh-elder | | | | S2S3 |
| <i>Senecio pseudoarnica</i> | Seabeach Ragwort | | | | S2S3 |
| <i>Betula michauxii</i> | Michaux's Dwarf Birch | | | | S2S3 |
| <i>Sagina nodosa ssp. borealis</i> | Knotted Pearlwort | | | | S2S3 |
| <i>Ceratophyllum echinatum</i> | Prickly Hornwort | | | | S2S3 |
| <i>Hypericum x dissimulatum</i> | Disguised St. John's-wort | | | | S2S3 |
| <i>Triosteum aurantiacum</i> | Orange-fruited Tinker's Weed | | | | S2S3 |
| <i>Shepherdia canadensis</i> | Soapberry | | | | S2S3 |
| <i>Empetrum atropurpureum</i> | Purple Crowberry | | | | S2S3 |
| <i>Euphorbia polygonifolia</i> | Seaside Spurge | | | | S2S3 |
| <i>Hedeoma pulegioides</i> | American False Pennyroyal | | | | S2S3 |
| <i>Polygonum aviculare ssp. buxiforme</i> | Box Knotweed | | | | S2S3 |
| <i>Polygonum oxyspermum ssp. raii</i> | Ray's Knotweed | | | | S2S3 |
| <i>Amelanchier fernaldii</i> | Fernald's Serviceberry | | | | S2S3 |
| <i>Potentilla canadensis</i> | Canada Cinquefoil | | | | S2S3 |
| <i>Galium aparine</i> | Common Bedstraw | | | | S2S3 |
| <i>Galium obtusum</i> | Blunt-leaved Bedstraw | | | | S2S3 |
| <i>Salix pellita</i> | Satiny Willow | | | | S2S3 |
| <i>Carex adusta</i> | Lesser Brown Sedge | | | | S2S3 |
| <i>Carex hirtifolia</i> | Pubescent Sedge | | | | S2S3 |
| <i>Carex houghtoniana</i> | Houghton's Sedge | | | | S2S3 |
| <i>Eleocharis flavescens var. olivacea</i> | Bright-green Spikerush | | | | S2S3 |
| <i>Eriophorum gracile</i> | Slender Cottongrass | | | | S2S3 |
| <i>Coeloglossum viride</i> | Long-bracted Frog Orchid | | | | S2S3 |
| <i>Cypripedium parviflorum</i> | Yellow Lady's-slipper | | | | S2S3 |

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| <i>Poa glauca</i> | Glaucous Blue Grass | | | | S2S3 |
| <i>Stuckenia filiformis</i> | Thread-leaved Pondweed | | | | S2S3 |
| <i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i> | Narrow Triangle Moonwort | | | | S2S3 |
| <i>Botrychium simplex</i> | Least Moonwort | | | | S2S3 |
| <i>Ophioglossum pusillum</i> | Northern Adder's-tongue | | | | S2S3 |
| <i>Angelica atropurpurea</i> | Purple-stemmed Angelica | | | | S3 |
| <i>Erigeron hyssopifolius</i> | Hyssop-leaved Fleabane | | | | S3 |
| <i>Hieracium paniculatum</i> | Panicled Hawkweed | | | | S3 |
| <i>Bidens beckii</i> | Water Beggarticks | | | | S3 |
| <i>Packera paupercula</i> var. <i>paupercula</i> | Balsam Groundsel | | | | S3 |
| <i>Packera paupercula</i> | Balsam Groundsel | | | | S3 |
| <i>Betula pumila</i> var. <i>pumila</i> | Bog Birch | | | | S3 |
| <i>Betula pumila</i> | Bog Birch | | | | S3 |
| <i>Campanula aparinoides</i> | Marsh Bellflower | | | | S3 |
| <i>Mononeuria groenlandica</i> | Greenland Stitchwort | | | | S3 |
| <i>Viburnum edule</i> | Squashberry | | | | S3 |
| <i>Empetrum eamesii</i> | Pink Crowberry | | | | S3 |
| <i>Vaccinium boreale</i> | Northern Blueberry | | | | S3 |
| <i>Vaccinium cespitosum</i> | dwarf bilberry | | | | S3 |
| <i>Bartonia virginica</i> | Yellow Bartonia | | | | S3 |
| <i>Geranium bicknellii</i> | Bicknell's Crane's-bill | | | | S3 |
| <i>Proserpinaca palustris</i> | Marsh Mermaidweed | | | | S3 |
| <i>Proserpinaca pectinata</i> | Comb-leaved Mermaidweed | | | | S3 |
| <i>Teucrium canadense</i> | Canada Germander | | | | S3 |
| <i>Epilobium strictum</i> | Downy Willowherb | | | | S3 |
| <i>Polygala sanguinea</i> | Blood Milkwort | | | | S3 |
| <i>Persicaria pensylvanica</i> | Pennsylvania Smartweed | | | | S3 |
| <i>Fallopia scandens</i> | Climbing False Buckwheat | | | | S3 |
| <i>Plantago rugelii</i> | Rugel's Plantain | | | | S3 |
| <i>Primula laurentiana</i> | Laurentian Primrose | | | | S3 |
| <i>Samolus parviflorus</i> | Seaside Brookweed | | | | S3 |
| <i>Pyrola asarifolia</i> | Pink Pyrola | | | | S3 |
| <i>Pyrola minor</i> | Lesser Pyrola | | | | S3 |
| <i>Ranunculus gmelinii</i> | Gmelin's Water Buttercup | | | | S3 |
| <i>Endotropis alnifolia</i> | alder-leaved buckthorn | | | | S3 |
| <i>Agrimonia gryposepala</i> | Hooked Agrimony | | | | S3 |
| <i>Amelanchier spicata</i> | Running Serviceberry | | | | S3 |
| <i>Geocaulon lividum</i> | Northern Comandra | | | | S3 |
| <i>Limosella australis</i> | Southern Mudwort | | | | S3 |
| <i>Lindernia dubia</i> | Yellow-seeded False Pimperel | | | | S3 |
| <i>Laportea canadensis</i> | Canada Wood Nettle | | | | S3 |

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|--|-----------------------------|---------|------|--------|--------|
| <i>Verbena hastata</i> | Blue Vervain | | | | S3 |
| <i>Carex cryptolepis</i> | Hidden-scaled Sedge | | | | S3 |
| <i>Carex eburnea</i> | Bristle-leaved Sedge | | | | S3 |
| <i>Carex lupulina</i> | Hop Sedge | | | | S3 |
| <i>Carex rosea</i> | Rosy Sedge | | | | S3 |
| <i>Carex tribuloides</i> | Blunt Broom Sedge | | | | S3 |
| <i>Carex wiegandii</i> | Wiegand's Sedge | | | | S3 |
| <i>Carex foenea</i> | Fernald's Hay Sedge | | | | S3 |
| <i>Eleocharis nitida</i> | Quill Spikerush | | | | S3 |
| <i>Elodea canadensis</i> | Canada Waterweed | | | | S3 |
| <i>Juncus subcaudatus</i> | Woods-Rush | | | | S3 |
| <i>Juncus dudleyi</i> | Dudley's Rush | | | | S3 |
| <i>Goodyera repens</i> | Lesser Rattlesnake-plantain | | | | S3 |
| <i>Neottia bifolia</i> | Southern Twayblade | | | | S3 |
| <i>Platanthera grandiflora</i> | Large Purple Fringed Orchid | | | | S3 |
| <i>Platanthera hookeri</i> | Hooker's Orchid | | | | S3 |
| <i>Platanthera orbiculata</i> | Small Round-leaved Orchid | | | | S3 |
| <i>Spiranthes ochroleuca</i> | Yellow Ladies'-tresses | | | | S3 |
| <i>Alopecurus aequalis</i> | Short-awned Foxtail | | | | S3 |
| <i>Dichanthelium clandestinum</i> | Deer-tongue Panic Grass | | | | S3 |
| <i>Potamogeton obtusifolius</i> | Blunt-leaved Pondweed | | | | S3 |
| <i>Potamogeton praelongus</i> | White-stemmed Pondweed | | | | S3 |
| <i>Potamogeton zosteriformis</i> | Flat-stemmed Pondweed | | | | S3 |
| <i>Sparganium natans</i> | Small Burreed | | | | S3 |
| <i>Asplenium trichomanes</i> | Maidenhair Spleenwort | | | | S3 |
| <i>Asplenium viride</i> | Green Spleenwort | | | | S3 |
| <i>Equisetum pratense</i> | Meadow Horsetail | | | | S3 |
| <i>Equisetum variegatum</i> | Variegated Horsetail | | | | S3 |
| <i>Isoetes tuckermanii</i> ssp. <i>acadiensis</i> | Acadian Quillwort | | | | S3 |
| <i>Diphasiastrum sitchense</i> | Sitka Ground-cedar | | | | S3 |
| <i>Huperzia appressa</i> | Mountain Firmoss | | | | S3 |
| <i>Sceptridium dissectum</i> | Dissected Moonwort | | | | S3 |
| <i>Polypodium appalachianum</i> | Appalachian Polypody | | | | S3 |
| <i>Bidens vulgata</i> | Tall Beggarticks | | | | S3? |
| <i>Persicaria amphibia</i> var. <i>emersa</i> | Long-root Smartweed | | | | S3? |
| <i>Diphasiastrum x sabinifolium</i> | Savin-leaved Ground-cedar | | | | S3? |
| <i>Atriplex glabriuscula</i> var. <i>franktonii</i> | Frankton's Saltbush | | | | S3S4 |
| <i>Suaeda calceoliformis</i> | Horned Sea-blite | | | | S3S4 |
| <i>Vaccinium corymbosum</i> | Highbush Blueberry | | | | S3S4 |
| <i>Myriophyllum sibiricum</i> | Siberian Water Milfoil | | | | S3S4 |
| <i>Nuphar microphylla</i> | Small Yellow Pond-lily | | | | S3S4 |

Table 1. SOCI identified within 100 km of the Project Area

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---|-----------------------------------|-----------------|-----------------|------------|---------|
| <i>Sanguinaria canadensis</i> | Bloodroot | | | | S3S4 |
| <i>Polygonum fowleri</i> | Fowler's Knotweed | | | | S3S4 |
| <i>Rumex fueginus</i> | Tierra del Fuego Dock | | | | S3S4 |
| <i>Crataegus succulenta</i> | Fleshy Hawthorn | | | | S3S4 |
| <i>Fragaria vesca ssp. americana</i> | Woodland Strawberry | | | | S3S4 |
| <i>Fragaria vesca</i> | Woodland Strawberry | | | | S3S4 |
| <i>Salix petiolaris</i> | Meadow Willow | | | | S3S4 |
| <i>Agalinis neoscotica</i> | Nova Scotia Agalinis | | | | S3S4 |
| <i>Viola sagittata var. ovata</i> | Arrow-Leaved Violet | | | | S3S4 |
| <i>Symplocarpus foetidus</i> | Eastern Skunk Cabbage | | | | S3S4 |
| <i>Carex argyrantha</i> | Silvery-flowered Sedge | | | | S3S4 |
| <i>Eriophorum russeolum</i> | Russet Cottongrass | | | | S3S4 |
| <i>Triglochin gaspensis</i> | Gasp Arrowgrass | | | | S3S4 |
| <i>Juncus acuminatus</i> | Sharp-Fruit Rush | | | | S3S4 |
| <i>Luzula parviflora</i> | Small-flowered Woodrush | | | | S3S4 |
| <i>Liparis loeselii</i> | Loesel's Twayblade | | | | S3S4 |
| <i>Panicum philadelphicum</i> | Philadelphia Panicgrass | | | | S3S4 |
| <i>Trisetum spicatum</i> | Narrow False Oats | | | | S3S4 |
| <i>Cystopteris bulbifera</i> | Bulblet Bladder Fern | | | | S3S4 |
| <i>Equisetum hyemale ssp. affine</i> | Common Scouring-rush | | | | S3S4 |
| <i>Equisetum scirpoides</i> | Dwarf Scouring-Rush | | | | S3S4 |
| <i>Diphasiastrum complanatum</i> | Northern Ground-cedar | | | | S3S4 |
| <i>Schizaea pusilla</i> | Little Curlygrass Fern | | | | S3S4 |
| <i>Viola canadensis</i> | Canada Violet | | | | SH |
| AVIFAUNA | | | | | |
| <i>Charadrius melodus melodus</i> | Piping Plover melodus ssp | Endangered | Endangered | Endangered | S1B |
| <i>Sterna dougallii</i> | Roseate Tern | Endangered | Endangered | Endangered | S1B |
| <i>Calidris canutus rufa</i> | Red Knot rufa ssp | Endangered | Endangered | Endangered | S2M |
| <i>Antrostomus vociferus</i> | Eastern Whip-Poor-Will | Threatened | Threatened | Threatened | S1?B |
| <i>Catharus bicknelli</i> | Bicknell's Thrush | Threatened | Threatened | Endangered | S1S2B |
| <i>Limosa haemastica</i> | Hudsonian Godwit | Threatened | | | S1S2M |
| <i>Chaetura pelagica</i> | Chimney Swift | Threatened | Threatened | Endangered | S2B,S1M |
| <i>Riparia riparia</i> | Bank Swallow | Threatened | Threatened | Endangered | S2S3B |
| <i>Hirundo rustica</i> | Barn Swallow | Threatened | Threatened | Endangered | S2S3B |
| <i>Cardellina canadensis</i> | Canada Warbler | Threatened | Threatened | Endangered | S3B |
| <i>Dolichonyx oryzivorus</i> | Bobolink | Threatened | Threatened | Vulnerable | S3S4B |
| <i>Sturnella magna</i> | Eastern Meadowlark | Threatened | Threatened | | SHB |
| <i>Ixobrychus exilis</i> | Least Bittern | Threatened | Threatened | | SUB |
| <i>Hylocichla mustelina</i> | Wood Thrush | Threatened | Threatened | | SUB |
| <i>Bucephala islandica (Eastern pop.)</i> | Barrow's Goldeneye - Eastern pop. | Special Concern | Special Concern | | S1N |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---|---|-----------------|-----------------|------------|-----------|
| <i>Asio flammeus</i> | Short-eared Owl | Special Concern | Special Concern | | S1S2B |
| <i>Euphagus carolinus</i> | Rusty Blackbird | Special Concern | Special Concern | Endangered | S2B |
| <i>Chordeiles minor</i> | Common Nighthawk | Special Concern | Threatened | Threatened | S2B |
| <i>Contopus cooperi</i> | Olive-sided Flycatcher | Special Concern | Threatened | Threatened | S2B |
| <i>Histrionicus histrionicus pop. 1</i> | Harlequin Duck - Eastern pop. | Special Concern | Special Concern | Endangered | S2N |
| <i>Phalaropus lobatus</i> | Red-necked Phalarope | Special Concern | Special Concern | | S2S3M |
| <i>Contopus virens</i> | Eastern Wood-Pewee | Special Concern | Special Concern | Vulnerable | S3S4B |
| <i>Coccothraustes vespertinus</i> | Evening Grosbeak | Special Concern | Special Concern | Vulnerable | S3S4B,S3N |
| <i>Podiceps auritus</i> | Horned Grebe | Special Concern | Special Concern | | S4N |
| <i>Ammodramus savannarum pratensis</i> | Grasshopper Sparrow, pratensis subspecies | Special Concern | Special Concern | | |
| <i>Accipiter cooperii</i> | Cooper's Hawk | Not At Risk | | | S1?B |
| <i>Fulica americana</i> | American Coot | Not At Risk | | | S1B |
| <i>Chlidonias niger</i> | Black Tern | Not At Risk | | | S1B |
| <i>Falco peregrinus pop. 1</i> | Peregrine Falcon - anatum/tundrius | Not At Risk | Special Concern | Vulnerable | S1B,SNAM |
| <i>Aegolius funereus</i> | Boreal Owl | Not At Risk | | | S2?B |
| <i>Sterna hirundo</i> | Common Tern | Not At Risk | | | S3B |
| <i>Sialia sialis</i> | Eastern Bluebird | Not At Risk | | | S3B |
| <i>Buteo lagopus</i> | Rough-legged Hawk | Not At Risk | | | S3N |
| <i>Accipiter gentilis</i> | Northern Goshawk | Not At Risk | | | S3S4 |
| <i>Circus hudsonius</i> | Northern Harrier | Not At Risk | | | S3S4B |
| <i>Ammospiza nelsoni</i> | Nelson's Sparrow | Not At Risk | | | S3S4B |
| <i>Picoides dorsalis</i> | American Three-toed Woodpecker | | | | S1? |
| <i>Passerina cyanea</i> | Indigo Bunting | | | | S1?B |
| <i>Nycticorax nycticorax</i> | Black-crowned Night-heron | | | | S1B |
| <i>Anas acuta</i> | Northern Pintail | | | | S1B |
| <i>Oxyura jamaicensis</i> | Ruddy Duck | | | | S1B |
| <i>Gallinula galeata</i> | Common Gallinule | | | | S1B |
| <i>Myiarchus crinitus</i> | Great Crested Flycatcher | | | | S1B |
| <i>Cistothorus palustris</i> | Marsh Wren | | | | S1B |
| <i>Mimus polyglottos</i> | Northern Mockingbird | | | | S1B |
| <i>Toxostoma rufum</i> | Brown Thrasher | | | | S1B |
| <i>Vireo gilvus</i> | Warbling Vireo | | | | S1B |
| <i>Setophaga pinus</i> | Pine Warbler | | | | S1B |
| <i>Calidris minutilla</i> | Least Sandpiper | | | | S1B,S3M |
| <i>Charadrius semipalmatus</i> | Semipalmated Plover | | | | S1B,S3S4M |
| <i>Pluvialis dominica</i> | American Golden-Plover | | | | S1S2M |

Table 1. SOCI identified within 100 km of the Project Area

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|-------------------------------------|------------------------|---------|------|--------|-----------|
| <i>Vireo philadelphicus</i> | Philadelphia Vireo | | | | S2?B |
| <i>Spatula clypeata</i> | Northern Shoveler | | | | S2B |
| <i>Mareca strepera</i> | Gadwall | | | | S2B |
| <i>Empidonax traillii</i> | Willow Flycatcher | | | | S2B |
| <i>Setophaga tigrina</i> | Cape May Warbler | | | | S2B |
| <i>Piranga olivacea</i> | Scarlet Tanager | | | | S2B |
| <i>Pooecetes gramineus</i> | Vesper Sparrow | | | | S2B |
| <i>Molothrus ater</i> | Brown-headed Cowbird | | | | S2B |
| <i>Bucephala clangula</i> | Common Goldeneye | | | | S2B,S5N |
| <i>Branta bernicla</i> | Brant | | | | S2M |
| <i>Phalacrocorax carbo</i> | Great Cormorant | | | | S2S3 |
| <i>Asio otus</i> | Long-eared Owl | | | | S2S3 |
| <i>Spinus pinus</i> | Pine Siskin | | | | S2S3 |
| <i>Cathartes aura</i> | Turkey Vulture | | | | S2S3B |
| <i>Rallus limicola</i> | Virginia Rail | | | | S2S3B |
| <i>Tringa semipalmata</i> | Willet | | | | S2S3B |
| <i>Petrochelidon pyrrhonota</i> | Cliff Swallow | | | | S2S3B |
| <i>Pheucticus ludovicianus</i> | Rose-breasted Grosbeak | | | | S2S3B |
| <i>Icterus galbula</i> | Baltimore Oriole | | | | S2S3B |
| <i>Pinicola enucleator</i> | Pine Grosbeak | | | | S2S3B,S5N |
| <i>Numenius phaeopus hudsonicus</i> | Hudsonian Whimbrel | | | | S2S3M |
| <i>Calidris melanotos</i> | Pectoral Sandpiper | | | | S2S3M |
| <i>Phalaropus fulicarius</i> | Red Phalarope | | | | S2S3M |
| <i>Perisoreus canadensis</i> | Canada Jay | | | | S3 |
| <i>Poecile hudsonicus</i> | Boreal Chickadee | | | | S3 |
| <i>Sitta canadensis</i> | Red-breasted Nuthatch | | | | S3 |
| <i>Calidris maritima</i> | Purple Sandpiper | | | | S3?N |
| <i>Calcarius lapponicus</i> | Lapland Longspur | | | | S3?N |
| <i>Falco sparverius</i> | American Kestrel | | | | S3B |
| <i>Charadrius vociferus</i> | Killdeer | | | | S3B |
| <i>Gallinago delicata</i> | Wilson's Snipe | | | | S3B |
| <i>Sterna paradisaea</i> | Arctic Tern | | | | S3B |
| <i>Coccyzus erythrophthalmus</i> | Black-billed Cuckoo | | | | S3B |
| <i>Tyrannus tyrannus</i> | Eastern Kingbird | | | | S3B |
| <i>Dumetella carolinensis</i> | Gray Catbird | | | | S3B |
| <i>Cardellina pusilla</i> | Wilson's Warbler | | | | S3B |
| <i>Tringa melanoleuca</i> | Greater Yellowlegs | | | | S3B,S3S4M |
| <i>Oceanodroma leucorhoa</i> | Leach's Storm-Petrel | | | | S3B,S5M |
| <i>Rissa tridactyla</i> | Black-legged Kittiwake | | | | S3B,S5N |
| <i>Fratercula arctica</i> | Atlantic Puffin | | | | S3B,S5N |
| <i>Pluvialis squatarola</i> | Black-bellied Plover | | | | S3M |
| <i>Tringa flavipes</i> | Lesser Yellowlegs | | | | S3M |

Table 1. SOCI identified within 100 km of the Project Area

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|-----------------------------------|---------------------------|-----------------|-----------------|------------|-----------|
| <i>Arenaria interpres</i> | Ruddy Turnstone | | | | S3M |
| <i>Calidris pusilla</i> | Semipalmated Sandpiper | | | | S3M |
| <i>Calidris fuscicollis</i> | White-rumped Sandpiper | | | | S3M |
| <i>Limnodromus griseus</i> | Short-billed Dowitcher | | | | S3M |
| <i>Calidris alba</i> | Sanderling | | | | S3M,S2N |
| <i>Chroicocephalus ridibundus</i> | Black-headed Gull | | | | S3N |
| <i>Somateria mollissima</i> | Common Eider | | | | S3S4 |
| <i>Picoides arcticus</i> | Black-backed Woodpecker | | | | S3S4 |
| <i>Loxia curvirostra</i> | Red Crossbill | | | | S3S4 |
| <i>Sorex palustris</i> | American Water Shrew | | | | S3S4 |
| <i>Botaurus lentiginosus</i> | American Bittern | | | | S3S4B |
| <i>Spatula discors</i> | Blue-winged Teal | | | | S3S4B |
| <i>Actitis macularius</i> | Spotted Sandpiper | | | | S3S4B |
| <i>Empidonax flaviventris</i> | Yellow-bellied Flycatcher | | | | S3S4B |
| <i>Regulus calendula</i> | Ruby-crowned Kinglet | | | | S3S4B |
| <i>Catharus fuscescens</i> | Veery | | | | S3S4B |
| <i>Catharus ustulatus</i> | Swainson's Thrush | | | | S3S4B |
| <i>Oreothlypis peregrina</i> | Tennessee Warbler | | | | S3S4B |
| <i>Setophaga castanea</i> | Bay-breasted Warbler | | | | S3S4B |
| <i>Setophaga striata</i> | Blackpoll Warbler | | | | S3S4B |
| <i>Passerella iliaca</i> | Fox Sparrow | | | | S3S4B |
| <i>Mergus serrator</i> | Red-breasted Merganser | | | | S3S4B,S5N |
| <i>Bucephala albeola</i> | Bufflehead | | | | S3S4N |
| <i>Lanius borealis</i> | Northern Shrike | | | | S3S4N |
| <i>Leucophaeus atricilla</i> | Laughing Gull | | | | SHB |
| <i>Progne subis</i> | Purple Martin | | | | SHB |
| <i>Eremophila alpestris</i> | Horned Lark | | | | SHB,S4S5N |
| <i>Morus bassanus</i> | Northern Gannet | | | | SHB,S5M |
| <i>Aythya americana</i> | Redhead | | | | SHB,SNAM |
| INVERTEBRATE | | | | | |
| <i>Gomphus ventricosus</i> | Skillet Clubtail | Endangered | Endangered | | S1 |
| <i>Danaus plexippus</i> | Monarch | Endangered | Special Concern | Endangered | S2B |
| <i>Danaus plexippus plexippus</i> | Monarch | Endangered | Special Concern | | S2B |
| <i>Bombus terricola</i> | Yellow-banded Bumblebee | Special Concern | Special Concern | Vulnerable | S3 |
| <i>Cicindela formosa</i> | Big Sand Tiger Beetle | | | | S1 |
| <i>Satyrrium acadica</i> | Acadian Hairstreak | | | | S1 |
| <i>Erora laeta</i> | Early Hairstreak | | | | S1 |
| <i>Somatochlora brevicincta</i> | Quebec Emerald | | | | S1 |
| <i>Strophitus undulatus</i> | Creeper | | | | S1 |
| <i>Chlosyne nycteis</i> | Silvery Checkerspot | | | | S1? |
| <i>Polygonia comma</i> | Eastern Comma | | | | S1? |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|------------------------------------|---------------------------|---------|------|--------|--------|
| <i>Polygonia satyrus</i> | Satyr Comma | | | | S1? |
| <i>Strymon melinus</i> | Grey Hairstreak | | | | S1S2 |
| <i>Nymphalis l-album</i> | Compton Tortoiseshell | | | | S1S2 |
| <i>Somatochlora kennedyi</i> | Kennedy's Emerald | | | | S1S2 |
| <i>Coenagrion resolutum</i> | Taiga Bluet | | | | S1S2 |
| <i>Stylurus scudderi</i> | Zebra Clubtail | | | | S1S2 |
| <i>Lycaena hyllus</i> | Bronze Copper | | | | S2 |
| <i>Lycaena dospassosi</i> | Salt Marsh Copper | | | | S2 |
| <i>Satyrrium calanus</i> | Banded Hairstreak | | | | S2 |
| <i>Boloria chariclea</i> | Arctic Fritillary | | | | S2 |
| <i>Aglais milberti</i> | Milbert's Tortoiseshell | | | | S2 |
| <i>Aglais milberti milberti</i> | Milbert's Tortoise Shell | | | | S2 |
| <i>Epithea princeps</i> | Prince Baskettail | | | | S2 |
| <i>Somatochlora williamsoni</i> | Williamson's Emerald | | | | S2 |
| <i>Williamsonia fletcheri</i> | Ebony Boghaunter | | | | S2 |
| <i>Enallagma signatum</i> | Orange Bluet | | | | S2 |
| <i>Margaritifera margaritifera</i> | Eastern Pearlshell | | | | S2 |
| <i>Pantala hymenaea</i> | Spot-Winged Glider | | | | S2?B |
| <i>Thorybes pylades</i> | Northern Cloudywing | | | | S2S3 |
| <i>Amblyscirtes hegon</i> | Pepper and Salt Skipper | | | | S2S3 |
| <i>Satyrrium liparops</i> | Striped Hairstreak | | | | S2S3 |
| <i>Euphydryas phaeton</i> | Baltimore Checkerspot | | | | S2S3 |
| <i>Gomphus descriptus</i> | Harpoon Clubtail | | | | S2S3 |
| <i>Ophiogomphus aspersus</i> | Brook Snaketail | | | | S2S3 |
| <i>Ophiogomphus mainensis</i> | Maine Snaketail | | | | S2S3 |
| <i>Ophiogomphus rupinsulensis</i> | Rusty Snaketail | | | | S2S3 |
| <i>Somatochlora forcipata</i> | Forcipate Emerald | | | | S2S3 |
| <i>Somatochlora franklini</i> | Delicate Emerald | | | | S2S3 |
| <i>Alasmidonta undulata</i> | Triangle Floater | | | | S2S3 |
| <i>Astyleiopus variegatus</i> | A Longhorned Beetle | | | | S3 |
| <i>Carabus maeander</i> | a Ground Beetle | | | | S3 |
| <i>Hippodamia parenthesis</i> | Parenthesis Lady Beetle | | | | S3 |
| <i>Naemia seriata</i> | a Ladybird beetle | | | | S3 |
| <i>Chilocorus stigma</i> | Twice-stabbed Lady Beetle | | | | S3 |
| <i>Myzia pullata</i> | Streaked Lady Beetle | | | | S3 |
| <i>Trachysida aspera</i> | a Longhorned Beetle | | | | S3 |
| <i>Dicerca tenebrosa</i> | Dark Jewel Beetle | | | | S3 |
| <i>Astylopsis sexguttata</i> | A Longhorned Beetle | | | | S3 |
| <i>Callophrys henrici</i> | Henry's Elfin | | | | S3 |
| <i>Callophrys lanoraieensis</i> | Bog Elfin | | | | S3 |
| <i>Speyeria aphrodite</i> | Aphrodite Fritillary | | | | S3 |
| <i>Polygonia faunus</i> | Green Comma | | | | S3 |
| <i>Megisto cymela</i> | Little Wood-satyr | | | | S3 |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---|--|-----------------|-----------------|------------|--------|
| <i>Oeneis jutta</i> | Jutta Arctic | | | | S3 |
| <i>Aeshna clepsydra</i> | Mottled Darner | | | | S3 |
| <i>Aeshna constricta</i> | Lance-Tipped Darner | | | | S3 |
| <i>Boyeria grafiana</i> | Ocellated Darner | | | | S3 |
| <i>Gomphaeschna furcillata</i> | Harlequin Darner | | | | S3 |
| <i>Somatochlora tenebrosa</i> | Clamp-Tipped Emerald | | | | S3 |
| <i>Nannothemis bella</i> | Elfin Skimmer | | | | S3 |
| <i>Sympetrum danae</i> | Black Meadowhawk | | | | S3 |
| <i>Enallagma vernale</i> | Vernal Bluet | | | | S3 |
| <i>Amphiagrion saucium</i> | Eastern Red Damsel | | | | S3 |
| <i>Cupido comyntas</i> | Eastern Tailed Blue | | | | S3? |
| <i>Polygonia interrogationis</i> | Question Mark | | | | S3B |
| <i>Erynnis juvenalis</i> | Juvenal's Duskywing | | | | S3S4 |
| <i>Amblyscirtes vialis</i> | Common Roadside-Skipper | | | | S3S4 |
| <i>Polygonia progne</i> | Grey Comma | | | | S3S4 |
| <i>Lanthus parvulus</i> | Northern Pygmy Clubtail | | | | S3S4 |
| HERPTOFAUNA | | | | | |
| <i>Glyptemys insculpta</i> | Wood Turtle | Threatened | Threatened | Threatened | S2 |
| <i>Chelydra serpentina</i> | Snapping Turtle | Special Concern | Special Concern | Vulnerable | S3 |
| <i>Chrysemys picta picta</i> | Eastern Painted Turtle | Special Concern | | | S4S5 |
| <i>Hemidactylium scutatum</i> | Four-toed Salamander | Not At Risk | | | S3 |
| NON-VASCULAR PLANT | | | | | |
| <i>Erioderma pedicellatum</i> (Atlantic pop.) | Boreal Felt Lichen - Atlantic pop. | Endangered | Endangered | Endangered | S1 |
| <i>Erioderma mollissimum</i> | Graceful Felt Lichen | Endangered | Endangered | Endangered | S1S2 |
| <i>Peltigera hydrothyria</i> | Eastern Waterfan | Threatened | Threatened | Threatened | S1 |
| <i>Pannaria lurida</i> | Wrinkled Shingle Lichen | Threatened | Threatened | Threatened | S1S2 |
| <i>Fuscopannaria leucosticta</i> | White-rimmed Shingle Lichen | Threatened | | | S2S3 |
| <i>Anzia colpodes</i> | Black-foam Lichen | Threatened | Threatened | Threatened | S3 |
| <i>Sclerophora peronella</i> (Atlantic pop.) | Frosted Glass-whiskers (Atlantic population) | Special Concern | Special Concern | | S1? |
| <i>Pectenium plumbeum</i> | Blue Felt Lichen | Special Concern | Special Concern | Vulnerable | S3 |
| <i>Fissidens exilis</i> | Pygmy Pocket Moss | Not At Risk | | | S1S2 |
| <i>Fissidens exilis</i> | Pygmy Pocket Moss | Not At Risk | | | S1S2 |
| <i>Pseudevernia cladonia</i> | Ghost Antler Lichen | Not At Risk | | | S2S3 |
| <i>Aloina brevirostris</i> | Short-Beaked Rigid Screw Moss | | | | S1 |
| <i>Umbilicaria vellea</i> | Grizzled Rocktripe Lichen | | | | S1 |
| <i>Usnea perplexans</i> | Powdered Beard Lichen | | | | S1 |
| <i>Leptogium dactylinum</i> | Brown-buttoned Jellyskin Lichen | | | | S1 |
| <i>Cladonia brevis</i> | Short Peg Lichen | | | | S1 |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|--------------------------------------|-----------------------------------|---------|------|--------|--------|
| <i>Collema cristatum</i> | Fingered Tarpaper Lichen | | | | S1 |
| <i>Ephebe perspinulosa</i> | Thread Lichen | | | | S1 |
| <i>Fuscopannaria praetermissa</i> | Moss Shingles Lichen | | | | S1 |
| <i>Leptogium schraderi</i> | Schrader's Jellyskin Lichen | | | | S1 |
| <i>Collema fuscovirens</i> | Crumpled Rock Tarpaper Lichen | | | | S1 |
| <i>Peltigera lepidophora</i> | Scaly Pelt Lichen | | | | S1 |
| <i>Calypogeia neogaea</i> | Common Pouchwort | | | | S1? |
| <i>Moerckia hibernica</i> | Irish Ruffwort | | | | S1? |
| <i>Aloina rigida</i> | Aloe-Like Rigid Screw Moss | | | | S1? |
| <i>Brachythecium erythrorrhizon</i> | Taiga Ragged Moss | | | | S1? |
| <i>Bryum muehlenbeckii</i> | Muehlenbeck's Bryum Moss | | | | S1? |
| <i>Campylostelium saxicola</i> | a Moss | | | | S1? |
| <i>Tortula obtusifolia</i> | a Moss | | | | S1? |
| <i>Didymodon tophaceus</i> | Olive Beard Moss | | | | S1? |
| <i>Paludella squarrosa</i> | Tufted Fen Moss | | | | S1? |
| <i>Physcomitrium immersum</i> | a Moss | | | | S1? |
| <i>Schistostega pennata</i> | Luminous Moss | | | | S1? |
| <i>Timmia norvegica</i> | a moss | | | | S1? |
| <i>Trichodon cylindricus</i> | Cylindric Hairy-teeth Moss | | | | S1? |
| <i>Collema crispum</i> | Crinkled Pulp Lichen | | | | S1? |
| <i>Polychidium muscicola</i> | Eyed Mossthorns Woollybear Lichen | | | | S1? |
| <i>Aulacomnium heterostichum</i> | One-sided Groove Moss | | | | S1S2 |
| <i>Brachythecium turgidum</i> | Thick Ragged Moss | | | | S1S2 |
| <i>Dicranoweisia crispula</i> | Mountain Thatch Moss | | | | S1S2 |
| <i>Didymodon rigidulus</i> | Rigid Screw Moss | | | | S1S2 |
| <i>Didymodon ferrugineus</i> | a moss | | | | S1S2 |
| <i>Hygrohypnum montanum</i> | a Moss | | | | S1S2 |
| <i>Hypnum pratense</i> | Meadow Plait Moss | | | | S1S2 |
| <i>Mnium thomsonii</i> | Thomson's Leafy Moss | | | | S1S2 |
| <i>Tortula acaulon</i> | Cuspidate Earth Moss | | | | S1S2 |
| <i>Plagiothecium latebricola</i> | Alder Silk Moss | | | | S1S2 |
| <i>Platydictya confervoides</i> | a Moss | | | | S1S2 |
| <i>Seligeria calcarea</i> | Chalk Brittle Moss | | | | S1S2 |
| <i>Sematophyllum demissum</i> | a Moss | | | | S1S2 |
| <i>Sphagnum platyphyllum</i> | Flat-leaved Peat Moss | | | | S1S2 |
| <i>Tetradontium brownianum</i> | Little Georgia | | | | S1S2 |
| <i>Timmia megapolitana</i> | Metropolitan Timmia Moss | | | | S1S2 |
| <i>Tortula mucronifolia</i> | Mucronate Screw Moss | | | | S1S2 |
| <i>Bryohaplocladium microphyllum</i> | Tiny-leaved Haplocladium Moss | | | | S1S2 |
| <i>Collema bachmanianum</i> | Bachman's Tarpaper Lichen | | | | S1S2 |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---------------------------------------|-------------------------------|---------|------|--------|--------|
| <i>Catapyrenium squamulosum</i> | Limy Soil Stipplescale Lichen | | | | S1S2 |
| <i>Cladonia sulphurina</i> | Greater Sulphur-cup Lichen | | | | S1S2 |
| <i>Sticta limbata</i> | Powdered Moon Lichen | | | | S1S2 |
| <i>Candelaria concolor</i> | Elfin Candleflame Lichen | | | | S1S2 |
| <i>Usnea chaetophora</i> | Articulated Beard Lichen | | | | S1S3 |
| <i>Stereocaulon grande</i> | Grand Foam Lichen | | | | S1S3 |
| <i>Stereocaulon intermedium</i> | Pacific Brain Foam Lichen | | | | S1S3 |
| <i>Parmotrema reticulatum</i> | Netted Ruffle Lichen | | | | S2 |
| <i>Anaptychia crinalis</i> | Hanging Fringed Lichen | | | | S2 |
| <i>Riccardia multifida</i> | Delicate Germanderwort | | | | S2? |
| <i>Anacamptodon splachnoides</i> | a Moss | | | | S2? |
| <i>Anomodon viticulosus</i> | a Moss | | | | S2? |
| <i>Weissia muhlenbergiana</i> | a Moss | | | | S2? |
| <i>Atrichum angustatum</i> | Lesser Smoothcap Moss | | | | S2? |
| <i>Bryum algovicum</i> | a Moss | | | | S2? |
| <i>Campylium polygamum</i> | a Moss | | | | S2? |
| <i>Campylium radicale</i> | Long-stalked Fine Wet Moss | | | | S2? |
| <i>Dicranum condensatum</i> | Condensed Broom Moss | | | | S2? |
| <i>Ditrichum rhynchostegium</i> | a Moss | | | | S2? |
| <i>Fissidens taxifolius</i> | Yew-leaved Pocket Moss | | | | S2? |
| <i>Hygrohypnum bestii</i> | Best's Brook Moss | | | | S2? |
| <i>Orthotrichum anomalum</i> | Anomalous Bristle Moss | | | | S2? |
| <i>Philonotis marchica</i> | a Moss | | | | S2? |
| <i>Physcomitrium collenchymatum</i> | a Moss | | | | S2? |
| <i>Platydictya jungermannioides</i> | False Willow Moss | | | | S2? |
| <i>Pohlia sphagnicola</i> | a moss | | | | S2? |
| <i>Racomitrium affine</i> | a Moss | | | | S2? |
| <i>Rhytidium rugosum</i> | Wrinkle-leaved Moss | | | | S2? |
| <i>Saelania glaucescens</i> | Blue Dew Moss | | | | S2? |
| <i>Seligeria donniana</i> | Donian Beardless Moss | | | | S2? |
| <i>Sematophyllum marylandicum</i> | a Moss | | | | S2? |
| <i>Tetraplodon angustatus</i> | Toothed-leaved Nitrogen Moss | | | | S2? |
| <i>Tortella fragilis</i> | Fragile Twisted Moss | | | | S2? |
| <i>Anomobryum filiforme</i> | a moss | | | | S2? |
| <i>Plagiomnium rostratum</i> | Long-beaked Leafy Moss | | | | S2? |
| <i>Pseudotaxiphyllum distichaceum</i> | a Moss | | | | S2? |
| <i>Cyrtomnium hymenophylloides</i> | Short-pointed Lantern Moss | | | | S2? |
| <i>Platylomella lescurii</i> | a Moss | | | | S2? |
| <i>Phylliscum demageonii</i> | Black Rock-wafer Lichen | | | | S2? |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|------------------------------------|---------------------------------|---------|------|--------|--------|
| <i>Leptogium teretiusculum</i> | Beaded Jellyskin Lichen | | | | S2? |
| <i>Rostania occultata</i> | Crusted Tarpaper Lichen | | | | S2? |
| <i>Placynthium flabelliforme</i> | Scaly Ink Lichen | | | | S2? |
| <i>Peltigera collina</i> | Tree Pelt Lichen | | | | S2? |
| <i>Ephemerum serratum</i> | a Moss | | | | S2S3 |
| <i>Eurhynchium hians</i> | Light Beaked Moss | | | | S2S3 |
| <i>Platydictya subtilis</i> | Bark Willow Moss | | | | S2S3 |
| <i>Tortula truncata</i> | a Moss | | | | S2S3 |
| <i>Limprichtia revolvens</i> | a Moss | | | | S2S3 |
| <i>Collema leptaleum</i> | Crumpled Bat's Wing Lichen | | | | S2S3 |
| <i>Solorina saccata</i> | Woodland Owl Lichen | | | | S2S3 |
| <i>Ahtiana aurescens</i> | Eastern Candlewax Lichen | | | | S2S3 |
| <i>Usnocetraria oakesiana</i> | Yellow Band Lichen | | | | S2S3 |
| <i>Cladonia mateocyatha</i> | Mixed-up Pixie-cup | | | | S2S3 |
| <i>Cladonia parasitica</i> | Fence-rail Lichen | | | | S2S3 |
| <i>Hypotrachyna catawbiensis</i> | Powder-tipped Antler Lichen | | | | S2S3 |
| <i>Leptogium milligranum</i> | Stretched Jellyskin Lichen | | | | S2S3 |
| <i>Leptogium tenuissimum</i> | Birdnest Jellyskin Lichen | | | | S2S3 |
| <i>Melanohalea septentrionalis</i> | Northern Camouflage Lichen | | | | S2S3 |
| <i>Myelochroa aurulenta</i> | Powdery Axil-bristle Lichen | | | | S2S3 |
| <i>Parmelia fertilis</i> | Fertile Shield Lichen | | | | S2S3 |
| <i>Hypotrachyna minarum</i> | Hairless-spined Shield Lichen | | | | S2S3 |
| <i>Parmeliopsis ambigua</i> | Green Starburst Lichen | | | | S2S3 |
| <i>Racodium rupestre</i> | Rockhair Lichen | | | | S2S3 |
| <i>Umbilicaria polyphylla</i> | Petalled Rocktripe Lichen | | | | S2S3 |
| <i>Usnea cavernosa</i> | Pitted Beard Lichen | | | | S2S3 |
| <i>Usnea ceratina</i> | Warty Beard Lichen | | | | S2S3 |
| <i>Usnea mutabilis</i> | Bloody Beard Lichen | | | | S2S3 |
| <i>Usnea rubicunda</i> | Red Beard Lichen | | | | S2S3 |
| <i>Stereocaulon condensatum</i> | Granular Soil Foam Lichen | | | | S2S3 |
| <i>Physcia subtilis</i> | Slender Rosette Lichen | | | | S2S3 |
| <i>Cladonia coccifera</i> | Eastern Boreal Pixie-cup Lichen | | | | S2S3 |
| <i>Cladonia deformis</i> | Lesser Sulphur-cup Lichen | | | | S2S3 |
| <i>Cladonia phyllophora</i> | Felt Lichen | | | | S2S3 |
| <i>Hypotrachyna afrorevoluta</i> | Pustulate Revolute Loop Lichen | | | | S2S3 |
| <i>Usnea flamma</i> | Coastal Bushy Beard Lichen | | | | S2S3 |
| <i>Ramalina thrausta</i> | Angelhair Ramalina Lichen | | | | S3 |
| <i>Collema tenax</i> | Soil Tarpaper Lichen | | | | S3 |
| <i>Collema nigrescens</i> | Blistered Tarpaper Lichen | | | | S3 |
| <i>Stictia fuliginosa</i> | Peppered Moon Lichen | | | | S3 |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|----------------------------------|--------------------------------|---------|------|--------|--------|
| <i>Leptogium subtile</i> | Appressed Jellyskin Lichen | | | | S3 |
| <i>Fuscopannaria ahlneri</i> | Corrugated Shingles Lichen | | | | S3 |
| <i>Heterodermia speciosa</i> | Powdered Fringe Lichen | | | | S3 |
| <i>Heterodermia squamulosa</i> | Scaly Fringe Lichen | | | | S3 |
| <i>Leptogium corticola</i> | Blistered Jellyskin Lichen | | | | S3 |
| <i>Leptogium lichenoides</i> | Tattered Jellyskin Lichen | | | | S3 |
| <i>Nephroma bellum</i> | Naked Kidney Lichen | | | | S3 |
| <i>Placynthium nigrum</i> | Common Ink Lichen | | | | S3 |
| <i>Punctelia appalachensis</i> | Appalachian Speckleback Lichen | | | | S3 |
| <i>Moelleropsis nebulosa</i> | Blue-gray Moss Shingle Lichen | | | | S3 |
| <i>Usnea hirta</i> | Bristly Beard Lichen | | | | S3 |
| <i>Fuscopannaria sorediata</i> | a Lichen | | | | S3 |
| <i>Ephebe lanata</i> | Waterside Rockshag Lichen | | | | S3 |
| <i>Usnea macaronesica</i> | Beard Lichen | | | | S3 |
| <i>Metzgeria conjugata</i> | Rock Veilwort | | | | S3? |
| <i>Barbula convoluta</i> | Lesser Bird's-claw Beard Moss | | | | S3? |
| <i>Calliergon giganteum</i> | Giant Spear Moss | | | | S3? |
| <i>Drummondia prorepens</i> | a Moss | | | | S3? |
| <i>Anomodon tristis</i> | a Moss | | | | S3? |
| <i>Helodium blandowii</i> | Wetland-plume Moss | | | | S3? |
| <i>Mnium stellare</i> | Star Leafy Moss | | | | S3? |
| <i>Sphagnum riparium</i> | Streamside Peat Moss | | | | S3? |
| <i>Phaeophyscia pusilloides</i> | Pompom-tipped Shadow Lichen | | | | S3? |
| <i>Cladonia stygia</i> | Black-footed Reindeer Lichen | | | | S3? |
| <i>Anomodon rugelii</i> | Rugel's Anomodon Moss | | | | S3S4 |
| <i>Dichelyma capillaceum</i> | Hairlike Dichelyma Moss | | | | S3S4 |
| <i>Dicranella varia</i> | a Moss | | | | S3S4 |
| <i>Dicranum leioneuron</i> | a Dicranum Moss | | | | S3S4 |
| <i>Encalypta procera</i> | Slender Extinguisher Moss | | | | S3S4 |
| <i>Myurella julacea</i> | Small Mouse-tail Moss | | | | S3S4 |
| <i>Splachnum ampullaceum</i> | Cruet Dung Moss | | | | S3S4 |
| <i>Thamnobryum alleghaniense</i> | a Moss | | | | S3S4 |
| <i>Schistidium agassizii</i> | Elf Bloom Moss | | | | S3S4 |
| <i>Hylocomiastrum pyrenaicum</i> | a Feather Moss | | | | S3S4 |
| <i>Hypogymnia vittata</i> | Slender Monk's Hood Lichen | | | | S3S4 |
| <i>Leptogium acadense</i> | Acadian Jellyskin Lichen | | | | S3S4 |
| <i>Melanohalea olivacea</i> | Spotted Camouflage Lichen | | | | S3S4 |
| <i>Parmeliopsis hyperopta</i> | Gray Starburst Lichen | | | | S3S4 |
| <i>Parmotrema chinense</i> | Powdered Ruffle Lichen | | | | S3S4 |

Table 1. SOCI identified within 100 km of the Project Area

Project # 20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---|--|-----------------|-----------------|------------|--------|
| <i>Physconia detersa</i> | Bottlebrush Frost Lichen | | | | S3S4 |
| <i>Coccocarpia palmicola</i> | Salted Shell Lichen | | | | S3S4 |
| <i>Physcia caesia</i> | Blue-gray Rosette Lichen | | | | S3S4 |
| <i>Physcia tenella</i> | Fringed Rosette Lichen | | | | S3S4 |
| <i>Anaptychia palmulata</i> | Shaggy Fringed Lichen | | | | S3S4 |
| <i>Bryoria pikei</i> | Pike's Horsehair Lichen | | | | S3S4 |
| <i>Evernia prunastri</i> | Valley Oakmoss Lichen | | | | S3S4 |
| <i>Dermatocarpon luridum</i> | Brookside Stippleback Lichen | | | | S3S4 |
| <i>Heterodermia neglecta</i> | Fringe Lichen | | | | S3S4 |
| FRESHWATER FISH AND MUSSELS | | | | | |
| <i>Salmo salar pop. 1</i> | Atlantic Salmon - Inner Bay of Fundy pop. | Endangered | Endangered | | S1 |
| <i>Morone saxatilis pop. 2</i> | Striped Bass - Bay of Fundy pop. | Endangered | | | S1B |
| <i>Acipenser oxyrinchus</i> | Atlantic Sturgeon | Threatened | | | S2 |
| <i>Anguilla rostrata</i> | American Eel | Threatened | | | S2 |
| <i>Morone saxatilis</i> | Striped Bass | E,SC | | | S2S3 |
| <i>Salmo salar</i> | Atlantic Salmon | E,T,SC | | | S1 |
| <i>Alosa pseudoharengus</i> | Alewife | | | | S3 |
| <i>Salvelinus fontinalis</i> | Brook Trout | | | | S3 |
| <i>Salvelinus namaycush</i> | Lake Trout | | | | S3 |
| <i>Menidia menidia</i> | Atlantic Silverside | | | | S3 |
| <i>Barnea truncata</i> | Atlantic Mud-piddock | Threatened | Threatened | | S1 |
| <i>Alasmidonta varicosa</i> | Brook Floater | Special Concern | Special Concern | Threatened | S1S2 |
| <i>Leptodea ochracea</i> | Tidewater Mucket | | | | S1 |
| <i>Lampsilis radiata</i> | Eastern Lampmussel | | | | S3S4 |
| MARINE MAMMAL | | | | | |
| <i>Dermochelys coriacea</i> (Atlantic pop.) | Leatherback Sea Turtle - Atlantic pop. | Endangered | Endangered | | S1S2N |
| <i>Balaenoptera physalus</i> | Fin Whale | Special Concern | Special Concern | | S2S3 |
| <i>Phocoena phocoena pop. 1</i> | Harbour Porpoise - Northwest Atlantic pop. | Special Concern | | | S4 |
| <i>Globicephala melas</i> | Long-finned Pilot Whale | Not At Risk | | | S2S3 |
| <i>Megaptera novaeangliae</i> | Humpback Whale (NW Atlantic pop.) | Not At Risk | | | S3 |
| <i>Lagenorhynchus acutus</i> | Atlantic White-sided Dolphin | Not At Risk | | | S3S4 |
| MAMMAL | | | | | |
| <i>Lynx canadensis</i> | Canadian Lynx | Not At Risk | | Endangered | S1 |
| <i>Sorex dispar</i> | Long-tailed Shrew | Not At Risk | | | S2 |
| <i>Glaucomys volans</i> | Southern Flying Squirrel | Not At Risk | | | S2S3 |
| <i>Martes americana</i> | American Marten | | | Endangered | S1 |
| <i>Alces americanus</i> | Moose | | | Endangered | S1 |
| <i>Sorex maritimensis</i> | Maritime Shrew | | | | S3 |

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---------------------------|----------------------|---------|------|--------|--------|
| <i>Synaptomys cooperi</i> | Southern Bog Lemming | | | | S3 |
| <i>Pekania pennanti</i> | Fisher | | | | S3 |

Table 2. Priority SOCI

Project #20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|----------------------------------|-------------------------|-----------------|-----------------|------------|--------------|
| INVERTEBRATES | | | | | |
| <i>Satyrium acadica</i> | Acadian Hairstreak | | | | S1 |
| <i>Botaurus lentiginosus</i> | American Bittern | | | | S3S4B |
| <i>Falco sparverius</i> | American Kestrel | | | | S3B |
| <i>Speyeria aphrodite</i> | Aphrodite Fritillary | | | | S3 |
| <i>Euphydryas phaeton</i> | Baltimore Checkerspot | | | | S2S3 |
| <i>Satyrium calanus</i> | Banded Hairstreak | | | | S2 |
| <i>Spatula discors</i> | Blue-winged Teal | | | | S3S4B |
| <i>Lycaena hyllus</i> | Bronze Copper | | | | S3 |
| <i>Ophiogomphus aspersus</i> | Brook Snaketail | | | | S2S3 |
| <i>Amblyscirtes vialis</i> | Common Roadside-Skipper | | | | S3S4 |
| <i>Somatochlora franklini</i> | Delicate Emerald | | | | S2S3 |
| <i>Amphiagrion saucium</i> | Eastern Red Damsel | | | | S3 |
| <i>Cupido comyntas</i> | Eastern Tailed Blue | | | | S3? |
| <i>Williamsonia fletcheri</i> | Ebony Boghaunter | | | | S3 |
| <i>Polygonia faunus</i> | Green Comma | | | | S3 |
| <i>Polygonia progne</i> | Grey Comma | | | | S3S4 |
| <i>Gomphus desertus</i> | Harpoon Clubtail | | | | S2S3 |
| <i>Oeneis jutta</i> | Jutta Arctic | | | | S3 |
| <i>Erynnis juvenalis</i> | Juvenal's Duskywing | | | | S3S4 |
| <i>Somatochlora kennedyi</i> | Kennedy's Emerald | | | | S1S2 |
| <i>Aeshna constricta</i> | Lance-Tipped Darner | | | | S3 |
| <i>Megisto cymela</i> | Little Wood-satyr | | | | S3 |
| <i>Aglais milberti</i> | Milbert's Tortoiseshell | | | | S2 |
| <i>Danaus plexippus</i> | Monarch | Endangered | Special Concern | Endangered | S2B |
| <i>Thorybes pylades</i> | Northern Cloudywing | | | | S2S3 |
| <i>Circus hudsonius</i> | Northern Harrier | Not at Risk | | | S3S4B |
| <i>Spatula clypeata</i> | Northern Shoveler | | | | S2S3B, S2S3M |
| <i>Amblyscirtes hegon</i> | Pepper and Salt Skipper | | | | S2S3 |
| <i>Epithea princeps</i> | Prince Baskettail | | | | S2 |
| <i>Polygonia interrogationis</i> | Question Mark | | | | S3B |
| <i>Polygonia satyrus</i> | Satyr Comma | | | | S1? |
| <i>Satyrium liparops</i> | Striped Hairstreak | | | | S2S3 |
| <i>Coenagrion resolutum</i> | Taiga Bluet | | | | S1S2 |
| <i>Enallagma vernale</i> | Vernal Bluet | | | | S3 |
| <i>Bombus terricola</i> | Yellow-banded Bumblebee | Special Concern | Special Concern | Vulnerable | S3 |
| HERPTOFAUNA | | | | | |
| <i>Chelydra serpentina</i> | Snapping Turtle | Special Concern | Special Concern | Vulnerable | S3 |
| <i>Chrysemys picta picta</i> | Eastern Painted Turtle | Special Concern | | | S4S5 |
| <i>Hemidactylium scutatum</i> | Four-toed Salamander | Not at Risk | | | S3 |

Table 2. Priority SOCI

Project #20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|------------------------------------|---|-----------------|-----------------|------------|-------------|
| FISH/FRESHWATER MUSSELS | | | | | |
| <i>Anguilla rostrata</i> | American Eel | Threatened | | | S2 |
| <i>Salmo salar pop. 1</i> | Atlantic Salmon - Inner Bay of Fundy pop. | Endangered | Endangered | | S1 |
| <i>Alasmidonta varicosa</i> | Brook Floater | Special Concern | Special Concern | Threatened | S1S2 |
| <i>Salvelinus fontinalis</i> | Brook Trout | | | | S3 |
| <i>Lampsilis radiata</i> | Eastern Lampmussel | | | | S3S4 |
| <i>Strophitus undulatus</i> | Creeper | | | | S1 |
| <i>Margaritifera margaritifera</i> | Eastern Pearlshell | | | | S2 |
| <i>Leptodea ochracea</i> | Tidewater Mucket | | | | S1 |
| MAMMALS | | | | | |
| <i>Alces americanus</i> | Moose | | | Endangered | S1 |
| AVIFAUNA | | | | | |
| <i>Botaurus lentiginosus</i> | American Bittern | | | | S3S4B |
| <i>Fulica americana</i> | American Coot | Not at Risk | | | S1B |
| <i>Falco sparverius</i> | American Kestrel | | | | S3B |
| <i>Icterus galbula</i> | Baltimore Oriole | | | | S3B,S3M |
| <i>Riparia riparia</i> | Bank Swallow | Threatened | Threatened | Endangered | S2S3B |
| <i>Hirundo rustica</i> | Barn Swallow | Threatened | Threatened | Endangered | S2S3B |
| <i>Setophaga castanea</i> | Bay-breasted Warbler | | | | S3S4B |
| <i>Chlidonias niger</i> | Black Tern | Not at Risk | | | S1B |
| <i>Picoides arcticus</i> | Black-backed Woodpecker | | | | S3S4 |
| <i>Pluvialis squatarola</i> | Black-bellied Plover | | | | S3M |
| <i>Coccyzus erythrophthalmus</i> | Black-billed Cuckoo | | | | S3B |
| <i>Setophaga striata</i> | Blackpoll Warbler | | | | S3S4B |
| <i>Spatula discors</i> | Blue-winged Teal | | | | S3S4B |
| <i>Dolichonyx oryzivorus</i> | Bobolink | Threatened | Threatened | Vulnerable | S3S4B |
| <i>Poecile hudsonicus</i> | Boreal Chickadee | | | | S3 |
| <i>Aegolius funereus</i> | Boreal Owl | Not at Risk | | | S2?B |
| <i>Toxostoma rufum</i> | Brown Thrasher | | | | S1B |
| <i>Molothrus ater</i> | Brown-headed Cowbird | | | | S2B |
| <i>Perisoreus canadensis</i> | Canada Jay | | | | S3 |
| <i>Cardellina canadensis</i> | Canada Warbler | Threatened | Threatened | Endangered | S3B |
| <i>Setophaga tigrina</i> | Cape May Warbler | | | | S3B,S4S5M |
| <i>Chaetura pelagica</i> | Chimney Swift | Threatened | Threatened | Endangered | S2B,S1M |
| <i>Petrochelidon pyrrhonota</i> | Cliff Swallow | | | | S2S3B,S2S3M |
| <i>Gallinula galeata</i> | Common Gallinule | | | | S1B |
| <i>Chordeiles minor</i> | Common Nighthawk | Special Concern | Threatened | Threatened | S2B |
| <i>Sialia sialis</i> | Eastern Bluebird | NAR | | | S3B |

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|-----------------------------------|------------------------|-----------------|-----------------|-----------------|-----------|
| <i>Tyrannus tyrannus</i> | Eastern Kingbird | | | | S3B |
| <i>Antrostomus vociferus</i> | Eastern Whip-Poor-Will | Threatened | Threatened | Threatened | S1?B |
| <i>Contopus virens</i> | Eastern Wood-Pewee | Special Concern | Special Concern | Vulnerable | S3S4B |
| <i>Coccothraustes vespertinus</i> | Evening Grosbeak | Special Concern | Special Concern | Vulnerable | S3S4B,S3N |
| <i>Mareca strepera</i> | Gadwall | | | | S2B |
| <i>Dumetella carolinensis</i> | Gray Catbird | | | | S3B |
| <i>Tringa melanoleuca</i> | Greater Yellowlegs | | | | S3B,S3S4M |
| <i>Passerina cyanea</i> | Indigo Bunting | | | | S1?B |
| <i>Charadrius vociferus</i> | Killdeer | | | | S3B |
| <i>Ixobrychus exilis</i> | Least Bittern | Threatened | Threatened | | SUB |
| <i>Tringa flavipes</i> | Lesser Yellowlegs | | | | S3M |
| <i>Stellaria longifolia</i> | Long-leaved Starwort | | | | S2 |
| <i>Cistothorus palustris</i> | Marsh Wren | | | | S2B,S2M |
| <i>Ammodramus nelsoni</i> | Nelson's Sparrow | Not at Risk | | | S3S4B |
| <i>Accipiter gentilis</i> | Northern Goshawk | Not at Risk | | | S3S4 |
| <i>Circus hudsonius</i> | Northern Harrier | Not at Risk | | | S3S4B |
| <i>Anas acuta</i> | Northern Pintail | | | | S3B,S5M |
| <i>Spatula clypeata</i> | Northern Shoveler | | | | S2B |
| <i>Contopus cooperi</i> | Olive-sided Flycatcher | Special Concern | Threatened | Threatened | S2B |
| <i>Vireo philadelphicus</i> | Philadelphia Vireo | | | | S2?B |
| <i>Pinicola enucleator</i> | Pine Grosbeak | | | | S2S3B,S5N |
| <i>Spinus pinus</i> | Pine Siskin | | | | S2S3 |
| <i>Setophaga pinus</i> | Pine Warbler | | | | S1B |
| <i>Progne subis</i> | Purple Martin | | | | SHB |
| <i>Loxia curvirostra</i> | Red Crossbill | | | | S3S4 |
| <i>Mergus serrator</i> | Red-breasted Merganser | | | | S3S4B,S5N |
| <i>Sitta canadensis</i> | Red-breasted Nuthatch | | | | S3 |
| <i>Larus delawarensis</i> | Ring-billed Gull | | | | S3S4B,S5M |
| <i>Pheucticus ludovicianus</i> | Rose-breasted Grosbeak | | | | S2S3B |
| <i>Regulus calendula</i> | Ruby-crowned Kinglet | | | | S3S4B |
| <i>Oxyura jamaicensis</i> | Ruddy Duck | | | | S1B,S2S3M |
| <i>Euphagus carolinus</i> | Rusty Blackbird | Special Concern | Special Concern | Endangered | S2B |
| <i>Calidris alba</i> | Sanderling | | | | S3M,S2N |
| <i>Antigone canadensis</i> | Sandhill Crane | | | | S1B,S1M |
| <i>Piranga olivacea</i> | Scarlet Tanager | | | | S2B |
| <i>Calidris pusilla</i> | Semipalmated Sandpiper | | | | S3M |
| <i>Limnodromus griseus</i> | Short-billed Dowitcher | | | | S3M |
| <i>Asio flammeus</i> | Short-eared Owl | Special Concern | Special Concern | Special Concern | S2B,S2M |
| <i>Actitis macularius</i> | Spotted Sandpiper | | | | S3S4B |
| <i>Catharus ustulatus</i> | Swainson's Thrush | | | | S3S4B |

Table 2. Priority SOCI

Project #20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|---|-----------------------------|-----------------|-----------------|------------|-----------|
| <i>Oreothlypis peregrina</i> | Tennessee Warbler | | | | S3S4B |
| <i>Cathartes aura</i> | Turkey Vulture | | | | S3B,S3M |
| <i>Catharus fuscescens</i> | Veery | | | | S3S4B |
| <i>Pooecetes gramineus</i> | Vesper Sparrow | | | | S2B |
| <i>Rallus limicola</i> | Virginia Rail | | | | S2S3B |
| <i>Phalaropus tricolor</i> | Wilson's Phalarope | | | | S1B,S1M |
| <i>Gallinago delicata</i> | Wilson's Snipe | | | | S3S4B,S5M |
| <i>Cardellina pusilla</i> | Wilson's Warbler | | | | S3B |
| <i>Hylocichla mustelina</i> | Wood Thrush | Threatened | Threatened | | SUB |
| <i>Empidonax flaviventris</i> | Yellow-bellied Flycatcher | | | | S3S4B |
| VASCULAR PLANTS | | | | | |
| <i>Isoetes tuckermanii</i> ssp. <i>acadiensis</i> | Acadian Quillwort | | | | S3 |
| <i>Endotropis alnifolia</i> | Alder-leaved Buckthorn | | | | S3 |
| <i>Spiranthes arcisepala</i> | Appalachian Ladies'-tresses | | | | S1S3 |
| <i>Carex comosa</i> | Bearded Sedge | | | | S2 |
| <i>Polygala sanguinea</i> | Blood Milkwort | | | | S3 |
| <i>Sanguinaria canadensis</i> | Bloodroot | | | | S3S4 |
| <i>Verbena hastata</i> | Blue Vervain | | | | S3 |
| <i>Potamogeton obtusifolius</i> | Blunt-leaved Pondweed | | | | S3 |
| <i>Salix pedicellaris</i> | Bog Willow | | | | S2 |
| <i>Symphotrichum boreale</i> | Boreal Aster | | | | S2? |
| <i>Polygonum aviculare</i> ssp. <i>buxiforme</i> | Box Knotweed | | | | S2S3 |
| <i>Bromus latiglumis</i> | Broad-Glumed Brome | | | | S1 |
| <i>Lilium canadense</i> | Canada Lily | | | | S2 |
| <i>Piptatheropsis canadensis</i> | Canada Ricegrass | | | | S2 |
| <i>Elodea canadensis</i> | Canada Waterweed | | | | S3 |
| <i>Laportea canadensis</i> | Canada Wood Nettle | | | | S3 |
| <i>Gratiola neglecta</i> | Clammy Hedge-Hyssop | | | | S1S2 |
| <i>Fallopia scandens</i> | Climbing False Buckwheat | | | | S3 |
| <i>Rubus chamaemorus</i> | Cloudberry | | | | S3S4 |
| <i>Equisetum hyemale</i> ssp. <i>affine</i> | Common Scouring-rush | | | | S3S4 |
| <i>Carex chordorrhiza</i> | Creeping Sedge | | | | S1 |
| <i>Hypericum x dissimulatum</i> | Disguised St. John's-wort | | | | S2S3 |
| <i>Epilobium strictum</i> | Downy Willowherb | | | | S3 |
| <i>Equisetum scirpoides</i> | Dwarf Scouring-Rush | | | | S3S4 |
| <i>Lilaeopsis chinensis</i> | Eastern Lilaeopsis | Special Concern | Special Concern | Vulnerable | S2 |
| <i>Symplocarpus foetidus</i> | Eastern Skunk Cabbage | | | | S3S4 |
| <i>Thuja occidentalis</i> | Eastern White Cedar | | | Vulnerable | S1 |
| <i>Carex vacillans</i> | Estuarine Sedge | | | | S2? |
| <i>Bidens hyperborea</i> | Estuary Beggarticks | | | | S1 |
| <i>Carex foenea</i> | Fernald's Hay Sedge | | | | S3 |

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|--|--------------------------------|---------|------|--------|--------|
| <i>Amelanchier fernaldii</i> | Fernald's Serviceberry | | | | S2S3 |
| <i>Potamogeton zosteriformis</i> | Flat-stemmed Pondweed | | | | S3 |
| <i>Dryopteris fragrans</i> | Fragrant Wood Fern | | | | S2 |
| <i>Ranunculus gmelinii</i> | Gmelin's Water Buttercup | | | | S3 |
| <i>Persicaria arifolia</i> | Halberd-leaved Tearthumb | | | | S2 |
| <i>Carex haydenii</i> | Hayden's Sedge | | | | S1 |
| <i>Tiarella cordifolia</i> | Heart-leaved Foamflower | | | | S2 |
| <i>Carex cryptolepis</i> | Hidden-scaled Sedge | | | | S3 |
| <i>Agrimonia gryposepala</i> | Hooked Agrimony | | | | S3 |
| <i>Platanthera hookeri</i> | Hooker's Orchid | | | | S3 |
| <i>Platanthera grandiflora</i> | Large Purple Fringed Orchid | | | | S3 |
| <i>Carex adusta</i> | Lesser Brown Sedge | | | | S2S3 |
| <i>Goodyera repens</i> | Lesser Rattlesnake-plantain | | | | S3 |
| <i>Liparis loeselii</i> | Loesel's Twayblade | | | | S3S4 |
| <i>Stellaria longifolia</i> | Long-leaved Starwort | | | | S2 |
| <i>Campanula aparinoides</i> | Marsh Bellflower | | | | S3 |
| <i>Equisetum pratense</i> | Meadow Horsetail | | | | S3 |
| <i>Salix petiolaris</i> | Meadow Willow | | | | S3S4 |
| <i>Primula mistassinica</i> | Mistassini Primrose | | | | S2 |
| <i>Juncus stygius</i> ssp. <i>americanus</i> | Moor Rush | | | | S2 |
| <i>Huperzia appressa</i> | Mountain Firmoss | | | | S3 |
| <i>Botrychium lanceolatum</i> ssp. <i>angustisegmentum</i> | Narrow Triangle Moonwort | | | | S2S3 |
| <i>Oenothera fruticosa</i> ssp. <i>tetragona</i> | Narrow-leaved Evening Primrose | | | | S2 |
| <i>Galium boreale</i> | Northern Bedstraw | | | | S2 |
| <i>Adiantum pedatum</i> | Northern Maidenhair Fern | | | | S1 |
| <i>Xyris montana</i> | Northern Yellow-Eyed-Grass | | | | S3 |
| <i>Agalinis neoscotica</i> | Nova Scotia Agalinis | | | | S3S4 |
| <i>Triosteum aurantiacum</i> | Orange-fruited Tinker's Weed | | | | S2S3 |
| <i>Eleocharis ovata</i> | Ovate Spikerush | | | | S2? |
| <i>Ranunculus pensylvanicus</i> | Pennsylvania Buttercup | | | | S1 |
| <i>Persicaria pensylvanica</i> | Pennsylvania Smartweed | | | | S3 |
| <i>Panicum philadelphicum</i> | Philadelphia Panicgrass | | | | S3S4 |
| <i>Pyrola asarifolia</i> | Pink Pyrola | | | | S3 |
| <i>Carex hystericina</i> | Porcupine Sedge | | | | S2 |
| <i>Ceratophyllum echinatum</i> | Prickly Hornwort | | | | S2S3 |
| <i>Carex hirtifolia</i> | Pubescent Sedge | | | | S2S3 |
| <i>Epilobium coloratum</i> | Purple-veined Willowherb | | | | S2? |
| <i>Carex rosea</i> | Rosy Sedge | | | | S3 |
| <i>Plantago rugelii</i> | Rugel's Plantain | | | | S3 |
| <i>Amelanchier spicata</i> | Running Serviceberry | | | | S3 |
| <i>Eriophorum russeolum</i> | Russet Cottongrass | | | | S3S4 |

Table 2. Priority SOCI

Project #20-7464

| Scientific Name | Common Name | COSEWIC | SARA | NS ESA | S-Rank |
|--|------------------------------|------------|------------|------------|--------|
| <i>Salix pellita</i> | Satiny Willow | | | | S2S3 |
| <i>Diphasiastrum x sabinifolium</i> | Savin-leaved Ground-cedar | | | | S3? |
| <i>Senecio pseudoarnica</i> | Seabeach Ragwort | | | | S2S3 |
| <i>Samolus parviflorus</i> | Seaside Brookweed | | | | S3 |
| <i>Juncus acuminatus</i> | Sharp-Fruit Rush | | | | S3S4 |
| <i>Alopecurus aequalis</i> | Short-awned Foxtail | | | | S3 |
| <i>Eriophorum gracile</i> | Slender Cottongrass | | | | S2S3 |
| <i>Calamagrostis stricta</i> | Slim-stemmed Reed Grass | | | | S2 |
| <i>Sparganium natans</i> | Small Burreed | | | | S3 |
| <i>Platanthera orbiculata</i> | Small Round-leaved Orchid | | | | S3 |
| <i>Woodsia glabella</i> | Smooth Cliff Fern | | | | S2 |
| <i>Limosella australis</i> | Southern Mudwort | | | | S3 |
| <i>Carex tuckermanii</i> | Tuckerman's Sedge | | | | S2 |
| <i>Equisetum variegatum</i> | Variegated Horsetail | | | | S3 |
| <i>Anemone virginiana var. alba</i> | Virginia Anemone | | | | S1S2 |
| <i>Potamogeton praelongus</i> | White-stemmed Pondweed | | | | S3 |
| <i>Carex peckii</i> | White-Tinged Sedge | | | | S2? |
| <i>Myriophyllum verticillatum</i> | Whorled Water Milfoil | | | | S2 |
| <i>Carex wiegandii</i> | Wiegand's Sedge | | | | S3 |
| <i>Elymus wiegandii</i> | Wiegand's Wild Rye | | | | S1 |
| <i>Ribes americanum</i> | Wild Black Currant | | | | S1 |
| <i>Allium schoenoprasum var. sibiricum</i> | Wild Chives | | | | S2 |
| <i>Fragaria vesca ssp. americana</i> | Woodland Strawberry | | | | S3S4 |
| <i>Spiranthes ochroleuca</i> | Yellow Ladies'-tresses | | | | S3 |
| <i>Lindernia dubia</i> | Yellow-seeded False Pimperel | | | | S3 |
| NON-VASCULAR PLANTS | | | | | |
| <i>Tortula obtusifolia</i> | a Moss | | | | S1? |
| <i>Peltigera hydrothyria</i> | Eastern Waterfan | Threatened | Threatened | Threatened | S1 |
| <i>Stereocaulon grande</i> | Grand Foam Lichen | | | | S1S3 |
| <i>Timmia megapolitana</i> | Metropolitan Timmia Moss | | | | S1S2 |
| <i>Evernia prunastri</i> | Valley Oakmoss Lichen | | | | S3S4 |

APPENDIX C
DETAILED WETLAND DELINEATION METHODOLOGY

WETLAND DELINEATION IDENTIFICATION METHODOLOGY

Wetlands and Watercourses in Nova Scotia

Wetlands in Nova Scotia are regulated by NSE under Section 105 of the *Environment Act*. Under the Act, wetlands are:

Land referred to as a marsh, swamp, fen, or bog that either periodically or permanently has water table at, near, or above the land surface or that is saturated with water, and sustains aquatic processes as indicated by the presence of poorly drained soils, hydrophytic vegetation, and biological activities adapted to wet conditions.

Watercourses are defined in the *Environment Act* as:

Any creek, brook, stream, river, lake, pond, spring, lagoon, or any other natural body of water, and includes all the water in it, and also the bed and the shore (whether there is actually any water in it or not). It also includes all groundwater.

Watercourses are defined in Halifax Regional Municipality (HRM) land use by-laws as:

A lake, river, stream, ocean, or other natural body of water.

Delineation Methodology

In order for a wetland determination to be made, the following three criteria were assessed the field:

- Presence of hydrophytic (water loving) vegetation;
- Presence of hydrologic conditions that result in periods of flooding, ponding, or saturation during the growing season; and
- Presence of hydric soils (anaerobic conditions in upper part).

Soil pits were completed frequently to confirm the presence/absence of wetland hydrology and hydric soils, as per the methodology below. A general vegetation survey was also completed within the wetlands to confirm hydrophytic vegetation.

Identification of Hydrophytic Vegetation

Hydrophytic vegetation is defined as the sum total of macrophytic plant life that occurs in areas where the frequency and duration of inundation or soil saturation produce permanent or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present (Environmental Laboratory 1987). Hydrophytic vegetation should be the dominant plant type in wetland habitat (Environmental Laboratory 1987).

WETLAND DELINEATION IDENTIFICATION METHODOLOGY

Dominant plant species observed in each wetland were classified according to indicator status (probability of occurrence in wetlands), in accordance with the U.S. Fish and Wildlife Service (USFWS) National List of Vascular Plant Species that Occur in Wetlands: NE Region (Region 1) (Reed 1988). Please refer to Table 1 (below) for these classifications. These indicators are used as this region most closely resembles the flora of Nova Scotia and climate regime. Further relevant information was reviewed in Flora of Nova Scotia (Zinck, 1998).

Table 1: Classification of Wetland-Associated Plant Species¹

| Plant Species Classification | Abbreviation ² | Probability of Occurring in Wetland |
|--|---------------------------|--|
| Obligate | OBL | >99% |
| Facultative Wetland | FACW | 66-99% |
| Facultative | FAC | 33-66% |
| Facultative Upland | FACU | 1-33% |
| Upland | UPL | <1% |
| No indicator status | NI | Insufficient information to determine status |
| Plants That Are Not Listed (assumed upland species) | NL | Does not occur in wetlands in any region. |

¹ Source: Reed 1988

² A '+' or '-' symbol can be added to the classification to indicate greater or lesser probability, respectively, of occurrence in a wetland.

If the majority (greater than 50%) of the dominant vegetation at a data point is classified as obligate (OBL), facultative wetland (FACW), or facultative (FAC), then the location of the data point is considered to be dominated by hydrophytic vegetation.

Identification of Hydric Soils

A hydric soil is a soil that has formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (USDA-NRCS 2010). Indicators of the presence of a hydric soil include soil colour (gleyed soils and soils with bright mottles and/or low matrix chroma), aquic or preaquic moisture regime, reducing soil conditions, sulfidic material (odour), soils listed on the hydric soils list, iron and manganese concretions, organic soils (histosols), histic epipedon, high organic content in surface layer in sandy soils, and organic streaking in sandy soils.

Soil pits were excavated to a maximum depth of 40 cm or refusal. The soil in each was then examined for hydric soil indicators. The matrix colour and mottle colour (if present) of the soil were determined using the Munsell Soil Colour Charts.

Determination of Wetland Hydrology

Wetland habitat, by definition, either periodically or permanently, has a water table at, near, or above the land surface or that is saturated with water. To be classified as a wetland, a site should have at least one primary indicator or two secondary indicators of wetland hydrology, as shown in Table 2.

WETLAND DELINEATION IDENTIFICATION METHODOLOGY

Table 2: Indicators of Wetland Hydrology

| Examples of Primary Indicators | Examples of Secondary Indicators |
|---------------------------------------|---|
| Water marks | Oxidized Root Channels in the Upper 30 cm |
| Drift Lines | Local Soil Survey Data |
| Sediment Deposition | Dry season Water Table |
| Drainage Patterns | Stunted or Stressed Plants |
| Water-stained leaves | |
| Visual Observation of Saturated Soils | |
| Visual Observation of Inundation | |

Wetland habitat is assessed for signs of hydrology, via visual observations across the area and through assessment of soil pits.

References

Environmental Laboratory (1987), Corps of Engineers Wetlands Delineation Manual, US Army Corp of Engineers, 1987.

Reed. 1988. National List of Plant Species that Occur in Wetlands: NE Region (Region 1) U.S. Fish and Wildlife Service, Washington, DC.

USDA-NRCS. (United States Department of Agriculture- Natural Resources Conservation Service). 2010. *Field Indicators of Hydric Soils in the United States: A Guide for Identifying and Delineating Hydric Soils*. Version 7.0. 53 pp.

Zinck, M. 1998. *Rolands Flora of Nova Scotia*. Nimbus Publishing, Nova Scotia.

Environmental Laboratory. (1987). "Corps of Engineers wetlands delineation manual," [Technical Report Y-87-1](#), U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. NTIS No. AD A176 912 (Note: Appendix C information is outdated and must be obtained from regional Wetlands offices)

APPENDIX D
GLOSSARY OF COMMONLY USED TERMS

Glossary of Commonly Used Terms

Anaerobic – A situation in which molecular oxygen is absent (or effectively so) from the environment.

Artificial Wetland – A created wetland requiring constant maintenance to remain a wetland.

Aerobic – A situation in which molecular oxygen is part of the environment.

Aquic moisture regime – A mostly reducing soil moisture regime nearly free of dissolved oxygen due to saturation by ground water or its capillary fringe and occurring at periods when the soil temperature at 19.7 in. is greater than 5 °C.

Baseline Study – An inventory of an existing community or environment that may provide information for planning or establishing goals for success criteria.

Basin – a depression.

Bidirectional-non-tidal – water levels subject to rise and fall due to fluctuations in lake levels; only applied to lentic wetlands (excluding those with a stream bisecting them = throughflow).

Bidirectional tidal – water levels subject to ebb and flood by tides.

Bog – acidic, nutrient-poor peatland characterized by woody plants (shrub bogs by ericaceous shrubs or treed bogs by black spruce, for example) and nearly permanently saturated soils.

Braided – Where streams or rivers divide into a network of smaller channels which are divided by often temporary islands.

Buffer – An area of land bordering a waterbody and/or wetland habitat which has been designated as a no activity zone, in order to protect the marine or freshwater resource.

Chroma – The relative purity or saturation of a colour; intensity of distinctive hue as related to grayness; one of the three variables of colour.

Concretion – A local concentration of chemical compounds (e.g. calcium carbonate, iron oxide) in the form of a grain or nodule of varying size, shape, hardness, and colour. Concretions of significance in hydric soils are usually iron and/or manganese oxides occurring at or near the soil surface, which develop under conditions of prolonged soil saturation.

Conservation – Ensuring that loss or degradation of wetland ecosystem functions does not occur and that previously lost or damaged functions are recovered.

Contiguous – Whereby two or more areas of wetland habitat are hydrologically connected via a watercourse and/or drainage channel.

Contour – An imaginary line of constant elevation. The corresponding line on a map is called a contour line.

Created Wetland – The conversion of a persistent upland vegetation community or ephemeral shallow water area into a permanent wetland where no previous wetland existed.

Diked – wetland surrounded by berms (dykes), may be flooded or not

Farmed – area still wet enough to be considered wetland but subject to tillage or cultivation or wet-dependent plants (e.g., cranberries).

Glossary of Commonly Used Terms

Disturbed Wetland – A wetland that is directly or indirectly altered by external human or natural forces.

Dominance – A descriptor of vegetation that is related to the standing crop of a species in an area, usually measured by height, areal cover or basal area (for trees).

Dominant Species – A plant species that exerts a controlling influence on or defines the character of a community.

Drained – A condition in which the level or volume of groundwater or surface water has been reduced or eliminated from an area by artificial means.

Emergent Plant – A rooted plant that has parts extending above the water surface, at least during portions of the year but does not tolerate prolonged inundation.

Enhanced Wetland – An existing wetland where some planned activity by humans addresses stresses or limitations that result in an increase of one or more functions or values.

Entrenched – wetland along a stream that has undergone significant erosion, creating a deep channel.

Estuarine-Embayment – located along the shores of an open bay or similar embayment in salt-brackish tidal waters.

Estuarine-Channel – located along the shores of a tidal river in the salt-brackish zone.

Eutrophic – Refers to a water body with more nutrients than its aquatic plant community can use, occasionally resulting in algal blooms.

Excavated – material removed from the wetland creating a depression.

Exotic – Not indigenous to a region; intentionally or accidentally introduced.

Fen – a mineral-rich peatland that can be dominated by a variety of plants both herbaceous and woody including calcium-loving plants (calciphiles); examples are graminoid fen, shrub fen, and treed fen

Fill Material – Any material placed in an area to increase surface elevation.

Flat – a nearly level area with no detectable slope.

Flooded – A condition in which the soil surface is temporarily covered in flowing water from any source, such as streams overflowing their bank, runoff from adjacent or surrounding slopes, inflow from high tides, or any combination of these sources.

Floodplain – a plain subject to river overflow and characterized by alluvial (water-deposited) soils; basin – depressions on the floodplain; flat – nearly level land

Flora – A list of all plant species that occur in an area.

Fringe – bordering a water body and in tidal areas, any salt marsh or other wetland that is flooded by typical high tides and in non-tidal areas, usually a marsh in standing water (typically flooded all year in most years) and no-vegetated wetlands within the stream or river banks (in the ordinary high water mark zone).

Float mat – wetland that is not rooted to the underlying substrate; may float around in a lake, for example.

Glossary of Commonly Used Terms

Function – The physical, chemical and biological processes, attributes and linkages related to a particular wetland.

Gleyed – A soil condition resulting from prolonged soil saturation, which is manifested by the presence of bluish or greenish colours through the soil mass or in mottles spots or streaks) among other colours. Gleying occurs under reducing soil conditions resulting from soil saturation, by which iron is reduced predominantly to the ferrous state.

Grazed – wetland actively used as pasture.

Growing Season – The portion of the year when soil temperatures at 19.7 in. below the soil surface are higher than biologic zero (5°) (U.S. Department of Agriculture-soil Conservation Service 1985). For ease of determination this period can be approximated by the number of frost free days (U.S Department of the Interior 1970). The growing season in Nova Scotia is June 01 – September 30.

Habitat – The environment occupied by individuals of a particular species, population or community, including everything required during the life cycle such as food, shelter and breeding places.

Headwaters – The origins of streams and rivers.

Herb – A non-woody individual of a macrophytic species.

Herbaceous Layer – Any vegetative stratum of a plant community that is composed predominantly of herbs.

Histic epipedon – A 20-40cm soil layer at or near the surface that is saturated for 30 consecutive days or more during the growing season in most years and contains a minimum of 20 percent organic matter when no clay is present or a minimum of 30 percent organic matter when 60 percent or greater clay is present.

Histosol – An order in soil taxonomy composed of organic soils that have organic soil materials in more than half of the upper 8 cm or that are of any thickness if directly over bedrock.

Hue – A characteristic of colour that denotes a colour in relation to red, yellow, blue, etc; one of the three variables of colour. Each colour chart in the Munsell Colour Book (Munsell Colour 1975) consists of a specific hue.

Hydric Soil – Soil characterized by abundance of moisture and much reduced oxygen levels, to the extent that the soil tolerates water-tolerant vegetation.

Hydrologic Regime – The distribution and circulation of water in an area during a given period including its fluctuations periodicity.

Hydrology – The science dealing with the properties, distribution and circulation of water both on and under the surface.

Hydrophytic Vegetation (plants) – Vegetation adapted to growing in water or in hydric soil.

Indicator – An event, entity or condition that typically characterizes a prescribed environment or situation; indicators determine or aid in determining whether or not certain stated circumstances exist.

Indicator status – One of the categories (e.g. OBL) that describes the estimated probability of a plant species occurring in wetlands.

Indigenous – Species which are native to a region.

Glossary of Commonly Used Terms

Inflow – water flows into the subject wetland from an upstream channel

Inundation – A condition in which water from any source temporarily or permanently floods land surface.

Irregularly flooded-tidal – inundated less than daily by the tides

Isolated – water flow comes from high groundwater levels or from surface or subsurface runoff; no channeled flow in or out of the wetland; may be subject to overflow during extreme precipitation or snowmelt events; wetland is “geographically isolated” – surrounded completely by upland (non-hydric soils).

Logged – forested wetland where timber has been recently harvested

Lotic River-Unconfined – Located along a river (width ≥ 20 m) with a distinct floodplain

Lotic River-Confined – Located along a river (width ≥ 20 m) with little or no floodplain

Lotic Stream-Unconfined – Located along a stream (width < 20 m) with a distinct floodplain

Lotic Stream-Confined – Located along a stream (width < 20 m) with little or no floodplain

Lotic Pond – Located along an in-stream pond.

Lentic Lake – Located along the shores of a lake.

Lentic Reservoir – Located along the shores of a reservoir.

Macrophyte – Any plant species that can be readily observed without the aid of optical magnification including all vascular plant species and mosses, as well as some attached and filamentous algae.

Marsh – Freshwater wetland usually flooded for the entire growing season and dominated by herbaceous vegetation.

Mesophytic – Any plant species growing where soil moisture and aeration conditions lie between extremes. These species are typically found in habitats with average moisture conditions, neither very dry nor very wet.

Mineral soil – A soil consisting predominantly of, and having its properties determined predominantly by, mineral matter (sand, silt, clay) usually containing less than 20 percent organic matter.

Minerotrophic – Referring to waters rich in dissolved minerals, and to plant species and communities which grow well in these conditions.

Mitigation – The prevention, modification, or alleviation of impacts on the natural environment including any action with the intent to enhance beneficial effects.

Monitoring – Periodic evaluation of a site to determine success in achieving goals.

Mottles/Mottling – Spots or blotches of different colour or shades of colour interspersed within the dominant colour in a soil layer, usually resulting from the presence of periodic reducing soil conditions.

Muck – Highly decomposed organic material in which the original plant parts are not recognizable.

Glossary of Commonly Used Terms

Natural Wetland – Dominated by native biota and occurring within a biophysical system which has developed through processes devoid of human intervention. Formed by natural processes (e.g. deglaciation, Aeolian processes, tectonic forces, or karst)

Nuisance Species – Species that detract from or interfere with wetland functions and/or values.

Ombrotrophic – Referring to waters poor in nutrients, where nutrients are obtained mostly from precipitation, and to plant species and communities which grow well in these conditions.

Organic soil – A soil is classified as an organic soil when it is 1) saturated for prolonged periods (unless artificially drained) and has more than 30 percent of organic matter if the mineral fraction is more than 50 percent clay, or more than 20 percent organic matter if the mineral fraction has no clay; or 2) never saturated with water for more than a few days and having more than 34 percent organic matter.

Outflow – Water flows out of the wetland, downslope from this source; no channeled surface water inflow.

Overbank flooding – Any situation in which inundation occurs as a result of the water level of a stream rising above bank level.

Paludified – Water levels or saturation affected by paludification processes, i.e., peat mosses wicking up water from a depression, spring, or seep and thereby allowing the wetland to creep uphill, smothering upland vegetation and converting these sites to wetland

Partly drained – Ditched or tile-drained but still wet enough to be considered wetland

Peat – An accumulation of partially decayed vegetation matter or histosol formed in areas where full decomposition is inhibited by acidic and anaerobic conditions.

Periodically – Detectable regular or irregular saturated soil conditions or inundation, resulting in ponding of groundwater, precipitation, overland flow, stream flooding or tidal influences that occur(s) with hours, days, weeks, months or even years between events.

Permanently flooded – Inundated year-round in all years.

Permanently saturated – High water tables virtually year-round, conditions favor development of peat.

Plant Community – All of the plant populations occurring in a shared habitat or environment.

Ponded – A condition in which water stands in a closed depression. Water may be removed only by percolation, evaporation and/or transpiration.

Poorly Drained – Soils that commonly are wet at or near the surface during a sufficient part of the year that field crops cannot be grown under natural conditions. Poorly drained conditions are caused by a saturated zone, a layer with low hydraulic conductivity, seepage, or a combination of these conditions.

Positive Wetland Indicator – Any evidence of the presence of hydrophytic vegetation, hydric soil and/or wetland hydrology in an area.

Preliminary Wetland Determination – The process or procedure by which an area is adjudged a wetland or non-wetland outside of the accepted growing season (May 1 – September 30).

Reduced soil – A soil in which oxygen has been removed and chemical reduction of ions has taken place.

Glossary of Commonly Used Terms

Redox Features – A distinct soil morphological characteristic most readily observable by a change in soil colour. Redox features are formed by the reduction of iron and manganese oxides in the soil when in an anaerobic state i.e. soil is saturated and there is an absence of oxygen.

Regularly flooded-tidal – Inundated by the tides at least once daily.

Rehabilitation – Improving the function and values of a degraded wetland.

Relief – The elevation of a land surface between two points; including the configuration of features such as hills and valleys.

Restoration – Changing existing function and structure of wetland habitat so that it is similar to historical conditions.

Restored – Former wetland that was destroyed (e.g., effectively drained, filled, or excavated) that has regained its wetland functions by human intervention, or existing wetland with impaired functions whose functions have been completely or partially improved by human action where the goal is to restore natural functions

Rhizosphere – The zone of soil in which interactions between living plant roots and microorganisms occur.

Riparian – Inhabiting, or situated on the bank of a river, stream or watercourse.

Root Zone – The portion of a soil profile in which plant roots occur.

Salt Marsh – Tidal wetland flooded by salt water and characterized by halophytic plants

Sapling/shrub – A layer of vegetation composed of woody plants <0.8 m in diameter at breast height but greater than 1 m in height, exclusive of woody vines.

Saturated soil – A condition where all easily drained voids (pores) between soil particles in the root zone are temporarily or permanently filled with water to the soil surface at pressures greater than the atmosphere.

Seasonally flooded – Inundated for extended periods usually early in the growing season, typically flooded for more than a week

Seasonally saturated – High water tables for extended periods during the year, usually from late fall into spring, conditions favor development of mineral hydric soils

Semi-permanently flooded – Inundated year-round in most years, except extended dry periods (including droughts).

Soil matrix – The portion of a given soil having the dominant colour. In most cases, the matrix will be the portion of the soil having more than 50 percent of the same colour.

Soil texture – The relative proportions of the various sizes of particles in a soil.

Stunted – The inhibition of growth and development of trees and shrubs attributed to an excess of soil moisture (hydrology) and/or shallow rooting zones i.e. shallow bedrock.

Substrate – The base on which an attached species is growing.

Succession – Replacement of one vegetation community by another. Succession may be human induced or natural due to forces such as climate, hydrology or species competition.

Glossary of Commonly Used Terms

Swamp – Freshwater wetland dominated by woody plants (shrub swamp or forested swamp), often growing on mineral soils or mucks, and subject to seasonally flooded for extended periods.

Terrene – Located at the uppermost area in a subbasin (i.e., the source of a stream), or located along a river or stream but at an elevation not subject to overbank flooding, or located in an isolated basin, on an isolated flat, or on an isolated slope

Terrene Pond – Located along the shores of an isolated pond (no outlet)

Temporarily flooded – Inundated for brief periods usually at the beginning of the growing season, typically flooded for a week or less

Throughflow – Water flows in and out of wetland, typically as overbank flow, but also includes wetlands along lakes (lentic wetlands) that have a stream coursing through them from locations outside the lake

Topography – The pattern of the soil surface, including its relief and the position of its natural and manmade features.

Transect – A line on the ground along which observations are made at some interval.

Transition Zone – The area in which a change from one vegetation community to another, or from wetland to non-wetland habitat occurs.

Tree – A woody plant > 0.8 m in diameter at breast height, regardless of height (exclusive of woody vines).

Upland – Any area that does not qualify as a wetland because the associated hydrologic regime is not sufficiently wet to elicit development of vegetation, soils and/or hydrologic characteristics associated with wetlands. Such areas occurring within floodplains are more appropriately termed non-wetlands.

Value (soil colour) – The relative lightness or intensity of a colour.

Vegetation layer – A subunit of a plant community in which all component species exhibit the same growth form (e.g. trees, saplings/shrubs, herbs).

Watercourse (as defined under Section 105 of the *Environment Act*) – Any creek, brook, stream, river, lake, pond, spring, lagoon, or any other natural body of water, and includes all the water in it, and also the bed and the shore (whether there is actually in it or not). It also includes groundwater.

Watercourse – (as defined in the Halifax Regional Municipality [HRM] land use by-laws) – A lake, river, stream, ocean or other natural body of water.

Watershed – An area of land where water from rain and melting snow or ice drains downhill into a body of water, such as a river, lake reservoir, estuary etc. The watershed includes the streams and rivers that convey the water as well as wetlands and other natural heritage features and land surfaces from which water drains. The principle of 'everything is connected' is clearly evident in a watershed, as it involves water and any other feature or function that affects or is affected by water.

Water Table (groundwater) – The surface below which the soil is saturated with water.

Wetland – Lands that are seasonally or permanently covered by shallow water, including lands where the water table is at or very close to the surface. In either case, the presence of abundant water has caused the formation of hydric soils and has favoured the dominance of either hydrophytic or water-tolerant plants.

Glossary of Commonly Used Terms

Wetland boundary – The point on the ground at which a shift from wetlands to nonwetlands or aquatic habitats occurs.

Wetland determination – The process or procedure by which an area is adjudged a wetland or non wetland.

APPENDIX E
WETLAND AND WATERCOURSE
CHARACTERISTICS TABLES

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|-----------------------------|----------|-----------------------|----------------------|--|---|--|---|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL1 | Yes | Yes | Partial | 77,502.38 | Shrub Swamp | Basin | Histosol | 140 | surface saturation, high water table | white meadowsweet, whorled wood aster, cinnamon fern, water horsetail, bunchberry, northern starflower, three-seeded sedge, rough-stemmed goldenrod, broad-leaved cattail, northern wild raisin, spotted joe-pye-weed, common woolly bulrush | speckled alder, mountain holly, white meadowsweet, northern wild raisin, red maple, tamarack, yellow birch | red maple, balsam fir, yellow birch | Sphagnum spp. sp., eagles nest with juveniles |
| WL2 | Yes | Yes | Partial | 652.80 | Shrub Swamp | Basin | Histosol | 25 | high water table | common Labrador tea, leatherleaf, mountain holly, goldthread, mayflower, bunchberry, common woolly bulrush Canada goldenrod, cinnamon fern, carex spp. , three-seeded sedge, spotted joe-pye-weed, wood water horsetail | black spruce, tamarack, white meadowsweet | | Sphagnum spp. |
| WL3 | Yes | Yes | Partial | 8,196.61 | Shrub Swamp | Slope | Histosol | 15 | saturation | common Labrador tea, sensitive fern, carex spp., small cranberry, wild lily-of-the-valley, wood water horsetail, black spruce, broad-leaved cattail, tawny cottongrass | black spruce, sheep laurel, leatherleaf | | Sphagnum spp., small tree line transition, upland inclusions |
| WL4 | Yes | Yes | Full | 2,122.77 | Shrub Swamp | Basin | Histosol | 30 | high water table, waterstained leaves, surface soil cracks | northern starflower, late lowbush blueberry, narrow-leaved cottongrass, bunchberry, cinnamon fern, common Labrador tea, common woolly bulrush, soft rushbluejoint reed grass, Bog aster | small cranberry, common Labrador tea, white meadowsweet, leatherleaf, red maple, sheep laurel, speckled alder | black spruce | Sphagnum spp. sp. Reindeer lichen on hummocks. Straight boundaries due to ATV trails |
| WL5 | Yes | Yes | Partial | 12,531.02 | Shrub Swamp | Basin | Histosol | 140 | high water table, saturation, drainage patterns | cinnamon fern, bracken fern, tawny cottongrass, common Labrador tea, hairy flat-top white aster, yellow bluebead lily, marsh st. john's wort, harlequin blue flag, broad-leaved cattail, common Labrador tea, white meadowsweet, leatherleaf, sheep laurel, common boneset, small cranberry | speckled alder, red maple, leatherleaf, sheep laurel, black spruce, alternate-leaved dogwood, northern wild raisin | yellow birch, balsam fir, black spruce | Sphagnum spp. sp. |
| WL6 | Yes | Yes | Partial | 12,866.57 | Shrub Swamp | Basin | Histosol | 20 | high water table | goldthread, equisetem spp., harlequin blue flag, sensitive fern, broad-leaved cattail, carex spp. , common Labrador tea, arrow-leaved tearthumb, arrow-leaved smartweed, hairy flat-top white aster, rough-stemmed goldenrod, cinnamon fern | white meadowsweet, red maple | red maple, yellow birch, black spruce, balsam fir | Sphagnum spp. sp. |
| WL7 | Yes | No | Partial | 437.98 | Shrub Swamp/ Treed Swamp | Basin | Histosol | 30 | high water table, saturation | fringed sedge, cinnamon fern, common woolly bulrush, broad-leaved cattail, bunchberry, Canada goldenrod, hairy flat-top white aster, halifax blackberry, bristly dewberry, common tall manna grass | red maple, speckled alder, white meadowsweet, mountain holly, northern wild raisin | red maple, yellow birch | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|--|--|---|---|-------------------|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL8 | Yes | Yes | Partial | 26,493.15 | Shrub Swamp | Flat | Histosol | 10 | high water table | common Labrador tea, black spruce, red raspberry, nodding sedge, three-seeded sedge, tawny cottongrass | black spruce, red maple, gray birch, green speckled alder, mountain holly, paper birch | | Sphagnum spp. sp. |
| WL9 | Yes | Yes | Partial | 16,470.31 | Shrub Swamp | Basin | Histosol | n/a | high water table | common Labrador tea, black spruce, red raspberry, nodding sedge, three-seeded sedge, tawny cottongrass | black spruce, red maple, gray birch, green speckled alder, mountain holly, paper birch | | Sphagnum spp. sp. |
| WL10 | Yes | No | Full | 335.70 | Shrub Swamp | Basin | Histosol | n/a | high water table | common Labrador tea, black spruce, sheep laurel, leatherleaf, bunchberry, tawny cottongrass, cinnamon fern, common woolly bulrush, large small cranberry | mountain holly, speckled alder, red maple, black spruce, white meadowsweet, sheep laurel | | Sphagnum spp. sp. |
| WL11 | Yes | Yes | Partial | 26,800.21 | Treed Swamp | Basin | Histosol | n/a | high water table | bunchberry, cinnamon fern, common Labrador tea, common woolly bulrush, bunchberry, poa spp. | speckled alder, red maple, black spruce, white meadowsweet, paper birch | red maple, yellow birch, black spruce | |
| WL12 | Yes | No | Partial | 4,911.43 | Shrub Swamp | Basin | Histosol | 45 | high water table | sheep laurel, leatherleaf, bunchberry, tawny cottongrass, cinnamon fern, common woolly bulrush, large small cranberry | mountain holly, speckled alder, red maple, black spruce, white meadowsweet, sheep laurel | | |
| WL13 | Yes | No | Partial | 4,533.66 | Treed Swamp/ Shrub Swamp | Basin | Histosol | n/a | high water table | cinnamon fern, common Labrador tea, common woolly bulrush, bunchberry, poa spp. | speckled alder, red maple, black spruce, white meadowsweet, paper birch | red maple, yellow birch, black spruce | Sphagnum spp. sp. |
| WL14 | Yes | Yes | Partial | 8,012.81 | Shrub Swamp | Basin | Histic Epipedon | n/a | saturation, water stained leaves | tawny cottongrass, cinnamon fern, bunchberry, bristly dewberry, sensitive fern, common woolly bulrush, broad-leaved cattail | speckled alder, white meadowsweet, black spruce, red maple | | |
| WL15 | Yes | Yes | Partial | 3,918.31 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | n/a | Saturation, high water table, water stained leaves | sensitive fern, cinnamon fern, tawny cottongrass, three-seeded sedge, common woolly bulrush, bunchberry, broad-leaved cattail, spotted joe-pye-weed, pearly everlasting | red maple, tamarack, black spruce, white meadowsweet, sheep laurel, leatherleaf | black spruce, tamarack, red maple | Sphagnum spp. sp. |
| WL16 | Yes | Yes | Partial | 16,285.93 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, water stained leaves | sensitive fern, cinnamon fern, tawny cottongrass, three-seeded sedge, common woolly bulrush, bunchberry, broad-leaved cattail, bristly dewberry | red maple, white meadowsweet, mountain holly, sheep laurel, red maple, common Labrador tea | | upland inclusions |
| WL17 | Yes | Yes | Partial | 2,563.37 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 20 | surface saturation, high water table, water stained leaves | sensitive fern, cinnamon fern, sphagnum spp., common woolly bulrush, wild sarsaparilla, equisetum spp., whorled wood aster, rough-stemmed goldenrod, bunchberry, northern starflower, three-seeded sedge, nodding sedge, broad-leaved cattail, tussock sedge | black spruce, red maple, mountain holly, yellow birch, speckled alder, balsam fir, sheep laurel, mountain holly | black spruce, red maple, balsam fir, yellow birch | Sphagnum spp. sp. |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|---|---|---|---|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL18 | Yes | Yes | Partial | 16,043.18 | Shrub Swamp | Basin | Histosol | 40 | surface saturation, high water table | cinnamon fern, northern beech fern, goldthread, bunchberry, wild sarsaparilla, sensitive fern, three-seeded sedge, nodding sedge, whorled wood aster, wild lily-of-the-valley | speckled alder, red maple, alternate-leaved dogwood, balsam fir, mountain holly | balsam fir, red maple | <i>Sphagnum spp. sp.</i> |
| WL19 | Yes | Yes | Partial | 9,074.04 | Shrub Swamp | Basin | Histosol | 35 | high water table | cinnamon fern, sensitive fern, northern starflower, bunchberry, sheep laurel | yellow birch, balsam fir | yellow birch, red maple, balsam fir, black spruce | |
| WL20 | Yes | Yes | Partial | 6,594.28 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation | bluejoint reed grass, common tall manna grass, cinnamon fern, Canada goldenrod, yellow birch | red maple, black spruce, hairy flat-top white aster, speckled alder, mountain holly, white meadowsweet, leatherleaf, sheep laurel | | <i>Sphagnum spp. sp.</i> |
| WL21 | Yes | Yes | Partial | 33,819.84 | Treed Swamp | Basin | Histosol | 30 | saturation, high water table | cinnamon fern, bunchberry, three-seeded sedge, nodding sedge, wild sarsaparilla, northern starflower, wild lily-of-the-valley | red maple, black spruce, speckled alder, tamarack, mountain holly, white meadowsweet, black spruce, red maple, speckled alder, yellow birch, tamarack | red maple, black spruce, yellow birch, tamarack | <i>Sphagnum spp. sp.</i> |
| WL22 | Yes | Yes | Partial | 72,873.79 | Shrub Swamp | Basin | Depleted Dark Surface | 25 | saturation, intermittent surface water, high water table. | large small cranberry, tawny cottongrass, common woolly bulrush, poa spp., common Labrador tea, cinnamon fern, bristly dewberry, broad-leaved cattail, round-leaved sundew | mountain holly, white meadowsweet, leatherleafcommon Labrador tea, yellow birch, red maple, tamarack, black spruce | black spruce | <i>Sphagnum spp. sp.</i> ; culvert in WL; upland inclusions with reindeer lichen |
| WL23 | Yes | Yes | Partial | 24,342.32 | Shrub Swamp | Basin | Histosol | n/a | high water table | three-leaved false soloman's seal, whorled wood aster, bunchberry, wild lily-of-the-valley, northern starflower, wild sarsaparilla, three-seeded sedge, cinnamon fern, fringed sedge, northern beech fern | mountain holly, speckled alder, red maple, black spruce, balsam fir, glossy buckthorn, gray birch, white meadowsweet | red maple | |
| WL24 | Yes | Yes | Partial | 4,315.17 | Shrub Swamp | Basin | Histosol | 20 | high water table, drainage marks | tawny narrow-leaved cottongrass, broad-leaved cattail, common tall manna grass | white meadowsweet, speckled alder, mountain holly, gray birch, leatherleaf, black spruce | | <i>Sphagnum spp. sp.</i> |
| WL25 | Yes | Yes | Partial | 1,434.15 | Shrub Swamp | Basin | Histosol | n/a | high water table | tawny narrow-leaved cottongrass, broad-leaved cattail, common tall manna grass | white meadowsweet, speckled alder, mountain holly, gray birch, leatherleaf, black spruce | | |
| WL26 | Yes | Yes | Partial | 6,022.26 | Treed Swamp | Flat | Histosol | 30 | high water table | bluejoint reed grass, common woolly bulrush, red raspberry, hairy flat-top white aster, cinnamon fern, sheep laurel, common Labrador tea | sheep laurel, common Labrador tea, mountain holly, red maple, gray birch, black spruce | red maple, balsam fir, tamarack | |
| WL27 | Yes | Yes | Partial | 8,059.57 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 30 | saturation, water stained leaves | common Labrador tea, rhodora, sheep laurel, bunchberry, lowbush late lowbush blueberry, bristly dewberry, tawny cottongrass, sallow sedge, cinnamon fern | eastern white pine, speckled alder, black spruce, red maple, mountain holly, white meadowsweet, tamarack | black spruce, red maple, tamarack | <i>Sphagnum spp. sp.</i> |
| WL28 | Yes | No | Full | 863.21 | Shrub Swamp | Basin | Histic Epipedon | 30 | saturation | common woolly bulrush, Canada goldenrod, white meadowsweet, goldthread, bunchberry, harlequin blue flag, wild lily-of-the-valley | tamarack, mountain holly, black spruce, red maple, leatherleaf, common Labrador tea, speckled alder, white meadowsweet | black spruce | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|---------------------------------------|--|---|---------------------------------------|--------------------------|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL29 | Yes | Yes | Partial | 8,837.73 | Shrub Swamp | Basin | Histic Epipedon | 45 | saturation, surface soil cracks | sensitive fern, bracken fern, tawny cottongrass, broad-leaved cattail, lowbush late lowbush blueberry, hairy flat-top white aster, rough-stemmed goldenrod, Canada manna grass | tamarack, black spruce, red maple, mountain holly, speckled alder | | upland inclusions |
| WL30 | Yes | Yes | Full | 1,305.40 | Shrub Swamp | Flat | Histosol | 20 | high water table | sensitive fern, bracken fern, tawny cottongrass, broad-leaved cattail, hairy flat-top white aster, rough-stemmed goldenrod, Canada manna grass | common Labrador tea, black spruce, red maple, sheep laurel, speckled alder | | |
| WL31 | Yes | Yes | Partial | 5,100.16 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 20 | | sphagnum spp., bluejoint reed grass, necklace sedge, common woolly bulrush, pink lady's-slipper, equisetum spp., northern starflower, cinnamon fern | speckled alder, leatherleaf, mountain holly, red maple | yellow birch, red maple, balsam fir | |
| WL32 | Yes | Yes | Partial | 15,855.00 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 30 | high water table | northern starflower, sensitive fern, broad-leaved cattail, common woolly bulrush, bristly dewberry, hairy flat-top white aster, reed canary grass | mountain holly, red maple, yellow birch, black spruce | red maple, yellow birch, black spruce | <i>Sphagnum spp. sp.</i> |
| WL33 | Yes | Yes | Partial | 5,164.36 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 20 | high water table | cinnamon fern, sensitive fern, common woolly bulrush, hairy flat-top white aster, wood water horsetail, tawny narrow-leaved cottongrass, harlequin blue flag, broad-leaved cattail | mountain holly, black spruce, red maple, yellow birch, white meadowsweet, common Labrador tea, speckled alder, gray birch | red maple, yellow birch | |
| WL34 | Yes | Yes | Partial | 7,585.79 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 20 | high water table, surface soil cracks | northern starflower, three-seeded sedge, cinnamon fern, northern starflower, sensitive fern, water horsetail, Canada goldenrod | red maple, black spruce, yellow birch, common Labrador tea, leatherleaf, | red maple, black spruce | |
| WL35 | Yes | Yes | Partial | 7,016.46 | Treed Swamp | Basin | Histic Epipedon | 35 | saturation, water stained leaves | rice cut grass, common woolly bulrush, sensitive fern, cinnamon fern, wood water horsetail, goldthread, nodding sedge, spotted spotted jewelweed | northern wild raisin, speckled alder, black spruce, red maple | red maple, black spruce | |
| WL36 | Yes | Yes | Partial | 4,287.67 | Shrub Swamp | Slope | Histosol | 25 | high water table | bluejoint reed grass, cinnamon fern, swamp red currant, sensitive fern, Canada goldenrod, bristly dewberry | red maple, yellow birch, mountain holly, speckled alder | | |
| WL37 | Yes | Yes | Partial | 2,338.75 | Shrub Swamp | Basin | Histic Epipedon | 33 | saturation, water stained leaves | sensitive fern, cinnamon fern, bracken fern, three-seeded sedge, bunchberry, wild sarsaparilla, northern starflower | balsam fir, black spruce | balsam fir, black spruce, red maple | |
| WL38 | Yes | Yes | Partial | 3,441.19 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, water stained leaves | sensitive fern, tawny cottongrass, Canada goldenrod, common woolly bulrush, cinnamon fern, bristly dewberry, lowbush late lowbush blueberry | mountain holly, speckled alder, red maple, yellow birch, black spruce, balsam fir, common Labrador tea | | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|-----------------------------|----------|-----------------------|----------------------|--|--|---|-------------------------------------|---------------------------------------|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL39 | Yes | Yes | Partial | 21,806.66 | Shrub Swamp | Slope | Histosol | 45 | high water table | poa spp., northern starflower, whorled wood aster, sensitive fern, tawny cottongrass, goldthread, common woolly bulrush | red maple, white meadowsweet, mountain holly, common Labrador tea | | <i>Sphagnum</i> sp. |
| WL40 | Yes | Yes | Partial | 11,179.85 | Treed Swamp | Basin | Histic Epipedon | 30 | saturation | cinnamon fern, bunchberry, three-seeded sedge, wild sarsaparilla | speckled alder, red maple, yellow birch | balsam fir, red maple, yellow birch | |
| WL41 | Yes | Yes | Partial | 12,331.14 | Shrub Swamp | Basin | Histic Epipedon | 30 | saturation, drainage patterns | bladder sedge, small cranberry, common woolly bulrush, harlequin blue flag, broad-leaved cattail, hairy flat-top white aster | mountain holly, tamarack, balsam fir, red maple, sheep laurel | | |
| WL42 | Yes | Yes | Partial | 7,556.81 | Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | sensitive fern, nodding sedge, common woolly bulrush, tawny cottongrass, Canada goldenrod, cinnamon fern, sensitive fern, broad-leaved cattail | speckled alder, mountain holly, aster | | |
| WL43 | Yes | N | Full | 2,154.03 | Shrub Swamp | Basin | Histosol | 20 | high water table | bluejoint reed grass, sensitive fern, cinnamon fern, arrow-leaved tearthumb, common woolly bulrush | red maple, white meadowsweet, speckled alder | | |
| WL44 | Yes | Yes | Partial | 11,289.24 | Shrub Swamp/ Treed Swamp | Slope | Histosol | 30 | high water table, surface water cracks | bunchberry, wild lily-of-the-valley, goldthread, cinnamon fern, three-seeded sedge, common woolly bulrush | mountain holly, common Labrador tea, balsam fir, red maple | red maple, balsam fir | |
| WL45 | Yes | Yes | Partial | 2,391.65 | Shrub Swamp/ marsh | Basin | Histosol | 30 | high water table | hairy flat-top white aster, sensitive fern, broad-leaved cattail, reed canary grass, common woolly bulrush, Canada goldenrod | speckled alder, red maple, white meadowsweet | | |
| WL46 | Yes | Yes | Partial | 57,034.96 | Shrub Swamp | Basin | Histosol | 140 | surface water, water stained leaves | cinnamon fern, rough-stemmed goldenrod, rice cut grass, sensitive fern, common woolly bulrush, arrow-leaved tearthumb | speckled alder, black spruce, red maple, white meadowsweet | | 2mx5m small pond; difficult to access |
| WL47 | Yes | No | Partial | 3,044.20 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, water stained leaves | bluejoint reed grass, red raspberry, Canada goldenrod | mountain holly, red maple, black spruce | | |
| WL48 | Yes | Yes | Partial | 11,133.44 | Shrub Swamp | Basin | Histosol | 25 | high water table, surface saturation | sensitive fern, rough Canada goldenrod, bluejoint reed grass, tawny cottongrass, common woolly bulrush, arrow-leaved tearthumb, broad-leaved cattail, Canada manna grass | speckled alder, mountain holly, red maple, black spruce, yellow birch | | |
| WL49 | Yes | No | Partial | 1,357.37 | Shrub Swamp | Basin | Histic Epipedon | 40 | high water table, saturation | tawny cottongrass, common woolly bulrush, Canada goldenrod, arrow-leaved tearthumb, harlequin blue flag, cinnamon fern, small cranberry | mountain holly, red maple, black spruce, red spruce, yellow birch, common Labrador tea, leatherleaf | | <i>Sphagnum</i> spp. sp. |
| WL50 | Yes | Yes | Partial | 3,220.66 | Treed Swamp/ Shrub Swamp | Basin | Histosol | n/a | high water table, saturation | tawny cottongrass, common woolly bulrush, bluejoint reed grass, broad-leaved cattail, hairy flat-top white aster | black spruce, red maple | black spruce | <i>Sphagnum</i> spp. sp. |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|-----------------------------|----------|-----------------------|----------------------|---|---|---|--|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL51 | Yes | Yes | Full | 1,495.70 | Shrub Swamp | Basin | Histosol | 50 | high water level, surface saturation, surface water | nova scotia agalinis, common woolly bulrush, arrow-leaved tearthumb, broad-leaved cattail, broad-fruited american burreed, water horsetail | red maple, black spruce, yellow birch | | |
| WL52 | Yes | Yes | Partial | 13,124.45 | Shrub Swamp/ Treed Swamp | Basin | Histosol | 140 | high water table | cinnamon fern, sensitive fern, three-seeded sedge, goldthread, wild sarsaparilla, northern starflower, bunchberry | chokecherry, speckled alder, balsam fir, black spruce, red maple | red maple, balsam fir | |
| WL53 | No | Yes | Partial | 4,066.26 | Treed Swamp | Basin | Histosol | n/a | high water table | cinnamon fern, bunchberry, goldthread, nodding sedge, three-seeded sedge | speckled alder, balsam fir, red maple, mountain holly | balsam fir, red maple | <i>Sphagnum spp. sp.</i> |
| WL54 | Yes | No | Full | 696.12 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, water stained leaves | goldthread, Canada goldenrod, cinnamon fern, tawny cottongrass, common woolly bulrush, hairy flat-top white aster | mountain holly, red maple, white meadowsweet, leatherleaf, black spruce | | <i>Sphagnum spp. sp.</i> |
| WL55 | Yes | Yes | Partial | 4,397.53 | Treed Swamp/ Marsh | Basin | Histosol | 30 | water stained leaves | cinnamon fern, reed canary grass, wild lily-of-the-valley, whorled wood aster, northern starflower, bunchberry | red maple, speckled alders, balsam fir | yellow birch, red maple | |
| WL56 | Yes | Yes | Partial | 2,707.31 | Treed Swamp | Basin | Histic Epipedon | 50 | saturation, high water table, water stained leaves, drainage patterns | cinnamon fern, sensitive fern, eastern hay-scented fern, bunchberry, wild lily-of-the-valley | mountain maple, black spruce, red maple | black spruce, red maple, yellow birch | |
| WL57 | Yes | Yes | Partial | 20,066.51 | Treed Swamp/ Bog | Basin | Histic Epipedon | 40 | saturation, waterstained leaves, water marks, drainage patterns | sensitive fern, cinnamon fern, nodding sedge, spotted spotted jewelweed, three-seeded sedge | speckled alder, balsam fir, red maple | sugar maple, red maple, black spruce, american water horehound | some upland inclusions with Bracken Fern on them |
| WL58 | No | Yes | Partial | 1,126.10 | Treed Swamp | Basin | Histic Epipedon | 30 | surface water, saturation, water stained leaves, drainage patterns | cinnamon fern, wild lily-of-the-valley, bunchberry, northern starflower, wild sarsaparilla | black spruce, red maple | black spruce, red maple, yellow birch | |
| WL59 | Yes | Yes | Partial | 3,287.91 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 50 | water stained leaves, water marks, drainage patterns, saturation | yellow birch, three-seeded sedge, bluejoint reed grass, whorled wood aster, spotted spotted jewelweed, bunchberry, northern starflower, sensitive fern, cinnamon fern | white meadowsweet, speckled alders, red maple, balsam fir | red maple, black spruce, yellow birch, balsam fir | |
| WL60 | Yes | Yes | Partial | 2,779.10 | Shrub Swamp | Basin | Histic Epipedon | 30 | water stained leaves, drainage patterns, high water table | sensitive fern, fringed sedge, soft rush, common woolly bulrush, tawny cottongrass, cinnamon fern, northern starflower, three-seeded sedge | speckled alder, white meadowsweet, red maple, | balsam fir, red maple | some upland inclusions |
| WL61 | Yes | Yes | Partial | 1,336.28 | Treed Swamp | Basin | Histic Epipedon | 45 | WSL, WM, DP, S | cinnamon fern, northern starflower, bunchberry, three-seeded sedge, three-leaved false soloman's seal | black spruce, leatherleaf, red maple, balsam fir, mountain holly | yellow birch, balsam fir, red maple | some upland inclusions |
| WL62 | Yes | No | Partial | 945.63 | Shrub Swamp/ Treed Swamp | Basin | Histosol | 100 | saturation, water stained leaves | tawny cottongrass, common Labrador tea, common woolly bulrush, wild lily-of-the-valley, cinnamon fern | white meadowsweet, bristly dewberry, red maple, rhodora, common Labrador tea, leatherleaf | red maple, black spruce, yellow birch | transitions to Treed Swamp at boundary |
| WL63 | Yes | Yes | Partial | 2,733.52 | Bog/ Shrub Swamp | Basin | Histosol | 70 | high water table, saturation | tawny cottongrass, common Labrador tea, common woolly bulrush, wild lily-of-the-valley | white meadowsweet, bristly dewberry, red maple, rhodora, common Labrador tea, leatherleaf | red maple, black spruce, tamarack, yellow birch | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|------------------------------------|----------|-----------------------|----------------------|--|--|--|---|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL64 | Yes | Yes | Partial | 3,915.00 | Shrub Swamp/ Treed Swamp | Basin | Histic Epipedon | 25 | saturation, water marks, water stained leaves, drainage patterns | sensitive fern, cinnamon fern, star sedge, three-leaved false soloman's seal, northern starflower | balsam fir | balsam fir | |
| WL65 | Yes | No | Full | 312.15 | Shrub Swamp | Basin | Sandy Mucky Mineral | 40 | water stained leaves, water marks, high water table | broad-leaved cattail, reed canary grass, nodding sedge, Canada manna grass | white meadowsweet, speckled alder, red maple | | very sandy soil |
| WL66 | Yes | No | Partial | 981.70 | Shrub Swamp | Basin | Depleted Dark Surface | 40 | saturation, water marks, water stained leaves | common woolly bulrush, hairy flat-top white aster, Canada manna grass, sphagnum spp., poa spp., carex spp., common woolly bulrush, Canada goldenrod | white meadowsweet, red maple, sheep laurel, speckled alder | | very sandy soil |
| WL67 | Yes | Yes | Partial | 3,418.88 | Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | sensitive fern, yellow birch, common woolly bulrush, hairy flat-top white aster, cinnamon fern, northern starflower, bunchberry, Canada goldenrod | speckled alder, black spruce, sugar maple, yellow birch, mountain holly | | Sloped Topo, creating sink/ bowl |
| WL68 | Yes | Yes | Partial | 10,405.60 | Treed Swamp/ Shrub Swamp | Flat | Histic Epipedon | 15 | high water table, water stained leaves | fowl manna grass, sensitive fern, cinnamon fern, three-seeded sedge, wild lily-of-the-valley, wood water horsetail | common Labrador tea, rhodora, paper birch, mountain holly, black spruce | paper birch, yellow birch, red maple, black spruce | Flat area; no visible flow |
| WL69 | Yes | Yes | Partial | 6,579.90 | Treed Swamp | Basin | Histosol | 25 | water stained leaves, water marks | bunchberry, wild lily-of-the-valley, star sedge, northern starflower, sensitive fern | red raspberry, white meadowsweet, balsam fir, red maple | red maple, trembling aspen, paper birch, balsam fir | |
| WL70 | Yes | Yes | Partial | 4,881.77 | Marsh/ Shrub Swamp | Flat | Histic Epipedon | 10 | water stained leaves, water marks | sensitive fern, bluejoint reed grass, carex spp. sp. | sheep laurel, black spruce, tussock sedge, white meadowsweet, speckled alder, red maple | | Inflow offsite, bowl, sloping from NW to SE, Sloped top in WC, with fringe WL on edges |
| WL71 | Yes | Yes | Full | 2,656.12 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | reed canary grass, tawny cottongrass, sensitive fern, cinnamon fern | northern wild raisin, sheep laurel, leatherleaf, speckled alder, black spruce, gray birch | paper birch, black spruce | |
| WL72 | Yes | Yes | Partial | 44,689.82 | Marsh/ Treed Swamp/ Shrub Swamp | Basin | Histosol | 40 | high water table, standing water | fowl blue grass, soft rush, harlequin blue flag, american burreed, Canada rush, american burreed | white meadowsweet, speckled alder, northern wild raisin | black spruce, red maple | Very Large, Upland inclusions |
| WL73 | Yes | Yes | Partial | 9,907.15 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | bunchberry, northern starflower, sensitive fern, three-seeded sedge, cinnamon fern, goldthread | american mountain ash, mountain holly, northern wild raisin, red maple | paper birch, red maple | |
| WL74 | Yes | Yes | Partial | 12,922.50 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, drainage patterns, surface soil cracks | tussock sedge, northern starflower, Canada goldenrod, cinnamon fern, sensitive fern, bristly dewberry, common marsh bedstraw, necklace sedge, common woolly bulrush, Canada rush, Canada manna grass | mountain holly, white meadowsweet, red maple, black spruce, speckled alder, common Labrador tea, northern wild raisin | | two berm inclusions |
| WL75 | Yes | Yes | Full | 1,409.54 | Shrub Swamp | Basin | Histosol | 40 | high water table | sensitive fern, common woolly bulrush, reed canary grass, carex spp., Canada goldenrod, poa spp., hairy flat-top white aster, Canada manna grass | mountain holly, speckled alder, yellow birch, northern wild raisin, red maple, white meadowsweet, northern wild raisin | | |
| WL76 | Yes | Yes | Full | 652.51 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 40 | high water table | Canada goldenrod, hairy flat-top white aster, common woolly bulrush, bracken fern, cinnamon fern, sensitive fern, reed canary grass | speckled alder, northern wild raisin | | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|------------|-----------------------|----------------------|---|---|---|--|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL77 | Yes | Yes | Partial | 4,187.15 | Treed Swamp | Flat | Depleted Dark Surface | 40 | saturation, water stained leaves, water marks, drainage patterns | rice cut grass, sensitive fern, spotted spotted jewelweed, wild lily-of-the-valley, bunchberry, cinnamon fern, cinnamon fern, three-seeded sedge | speckled alder, white meadowsweet, balsam fir | balsam fir, red maple, yellow birch | |
| WL78 | Yes | Yes | Full | 1,564.45 | Shrub Swamp | Basin | Histosol | 35 | high water table | tawny cottongrass, pale Bog laurel, common Labrador tea, late lowbush late lowbush blueberry | common Labrador tea, leatherleaf, gray birch, sheep laurel | | late Lowbush Blueberry Wetland |
| WL79 | Yes | Yes | Partial | 7,902.26 | Treed Swamp/ Marsh | Floodplain | Sandy Redox | 25 | high water table, water marks, drainage patterns, waterstained leaves | broad-leaved cattail, hairy flat-top white aster, Canada goldenrod, large small cranberry, sensitive fern, cinnamon fernbluejoint reed grass, common woolly bulrush | white meadowsweet, black spruce, red maple, speckled alder | red maple, black spruce, yellow birch | WC runs through, very sandy lowland area |
| WL80 | Yes | Yes | Partial | 3,131.15 | Bog | Basin | Histosol | 80 | saturation, intermittent surface water | common woolly bulrush, narrow-leaved cottongrass, cinnamon fern, common Labrador tea, rhodora | rhodora, common Labrador tea, mountain holly, gray birch, tamarack, sheep laurel, northern wild raisin, leatherleaf | tamarack, black spruce | |
| WL81 | No | Yes | Partial | 519.52 | Treed Swamp | Basin | Histic Epipedon | 25 | saturation, water stained leaves | three-seeded sedge, bunchberry, bristly dewberry, northern wild raisin, hairy flat-top white aster | mountain holly, black spruce, canada serviceberry, speckled alder | black spruce, balsam fir, red maple, paper birch | |
| WL82 | Yes | Yes | Partial | 3,389.63 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 25 | saturation, waterstained leaves, water marks, drainage patterns | three-seeded sedge, sensitive fern, bladder sedge, northern starflower, bristly dewberry, bunchberry, cinnamon fern, rough-stemmed goldenrod | speckled alder, balsam fir, red maple | red maple, black spruce, paper birch, tamarack, balsam fir | |
| WL83 | Yes | Yes | Partial | 1,030.85 | Treed Swamp | Basin | Histosol | 50 | high water table, surface soil cracks, water stained leaves | cinnamon fern, northern starflower | balsam fir, speckled alder | balsam fir, red maple | |
| WL84 | Yes | Yes | Partial | 2,261.09 | Treed Swamp | Basin | Histosol | 22 | high water table, surface soil cracks, water stained leaves | sheep laurel, northern wild raisin, bunchberry, bluejoint reed grass, wild sarsaparilla, hairy flat-top white aster, cinnamon fern | northern wild raisin, red maple, black spruce, white meadowsweet, balsam fir, sheep laurel, speckled alder | red maple, paper birch, balsam fir | upland inclusion |
| WL85 | Yes | Yes | Partial | 1,243.23 | Treed Swamp | Basin | Histosol | 21 | high water table | cinnamon fern, red maple, bristly dewberry, sheep laurel, common Labrador tea, bunchberry, mountain holly, downy late lowbush blueberry | northern wild raisin, mountain holly, red maple, black spruce | maple, trembling aspen | <i>Sphagnum spp. sp.</i> |
| WL86 | Yes | No | Partial | 1,754.02 | Shrub Swamp | Basin | Histosol | 80 | saturation, high water table | broom sedge, bladder sedge, tawny cottongrass, common woolly bulrush, bunchberry, common Labrador tea, bristly dewberry | white meadowsweet, sheep laurel, leatherleaf, red maple | | |
| WL87 | Yes | Yes | Partial | 1,170.90 | Treed Swamp | Basin | Histosol | 40 | surface saturation, high water table, water stained leaves | wood water horsetail, bristly dewberry, bunchberry, white meadowsweet, northern beech fern, red maple, wild sarsaparilla, cinnamon fern | canada serviceberry, northern wild raisin, mountain holly, balsam fir, red maple | red maple, balsam fir, black spruce | <i>Sphagnum spp. sp.</i> |
| WL88 | Yes | Yes | Partial | 3,343.26 | Treed Swamp | Basin | Histosol | 35 | high water table, saturation | tawny cottongrass, three-seeded sedge, sheep laurel, mountain holly, cinnamon fern, rhodora | mountain holly, tamarack, leatherleaf, rhodora, sheep laurel, black spruce | black spruce | |
| WL89 | Yes | Yes | Partial | 2,815.61 | Treed Swamp | Basin | Histic Epipedon | 25 | saturation, water stained leaves, drainage patterns | three-seeded sedge, bunchberry, northern wild raisin, rhodora, goldthread, mountain holly, red maple | red maple, northern wild raisin, mountain holly, black spruce | red maple, yellow birch | Upland inclusion |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|---|--|---|---|---|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL90 | No | Yes | Partial | 564.73 | Treed Swamp | Basin | Histosol | 30 | high water table | wood water horsetail, common tall manna grass, mountain holly, cinnamon fern, spruce, three-seeded sedge, goldthread, bunchberry, sheep laurel, tamarack | mountain holly, tamarack, black spruce, gray birch | tamarack, red maple, black spruce | Sphagnum spp. sp. |
| WL91 | Yes | Yes | Partial | 1,566.28 | Marsh | Basin | Histic Epipedon | 40 | high water table, surface saturation | sallow sedge, tussock sedge, yellow birch/bluejoint reed grass, arrow-leaved tearthumb, sensitive fern, common woolly bulrush | white meadowsweet, speckled alder | | beaver dam/pond, fringe around watercourse |
| WL92 | Yes | No | Partial | 326.15 | Shrub Swamp | Basin | Histosol | n/a | saturation, drainage marks | sensitive fern, american water horehound, broad-leaved cattail | mountain holly, red maple, speckled alder, | | |
| WL93 | Yes | Yes | Partial | 661.41 | Shrub Swamp | Basin | Histosol | n/a | saturation, water stained leaves | american water horehound, sensitive fern, spotted spotted jewelweed, swamp beggarticks | speckled alder, red maple, mountain holly, balsam fir | | |
| WL94 | Yes | Yes | Partial | 3,075.63 | Fen | Basin | Histosol | 45 | surface water, saturation, water stained leaves | tussock sedge, sensitive fern, Canada goldenrod | speckled alder, white meadowsweet | | pugwash river goes through wetland, beaver dams |
| WL95 | Yes | No | Partial | 3,249.65 | Shrub Swamp | Basin | Depleted Dark Surface | 20 | | sensitive fern, Canada goldenrod, broad-leaved cattail, reed canary grass, common woolly bulrush | mountain holly, steeplebush, speckled alder, red maple | | |
| WL96 | Yes | Yes | Partial | 5,609.24 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 30 | surface water, saturation, water stained leaves | sphagnum spp., poa spp.carex spp., sensitive fern, cinnamon fern, eastern hay-scented fern, rice cut grass | balsam fir, black spruce, speckled alder, red maple, yellow birch | yellow birch, balsam fir, black spruce, red maple | |
| WL97 | Yes | Yes | Partial | 9,538.35 | Shrub Swamp | Basin | Depleted Dark Surface | 50 | saturation, surface water, water stained leaves, high water table, surface soil cracks' | tawny cottongrass, sallow sedge, american american burreed, Canada goldenrod, narrow-leaved cottongrass | white meadowsweet, mountain holly, speckled alder, red maple | | dead trees, beaver house |
| WL98 | Yes | Yes | Partial | 3,566.53 | Fen | Basin | Histosol | 40 | surface water, drainage patterns, saturation | reed canary grass, broad-leaved cattail, cinnamon fern | speckled alder, white meadowsweet, red maple, | | Moving water |
| WL99 | Yes | Yes | Partial | 8,237.03 | Treed Swamp | Basin | Histosol | 45 | surface water, saturation, water stained leaves | sallow sedge, bunchberry, interrupted fern, northern starflower, wild sarsaparilla, three-seeded sedge, bluejoint reed grass | speckled alder, mountain holly, balsam fir, red maple | Treed Swamp, balsam fir | |
| WL100 | Yes | Yes | Partial | 5,167.63 | Shrub Swamp/ Bog | Basin | Histic Epipedon | 140 | saturation, high water table, water stained leaves | tawny cottongrass, common Labrador tea, common Labrador tea, common woolly bulrush, | balsam fir, tamarack, sheep laurel, rhodora, leatherleaf | balsam fir, tamarack | |
| WL101 | No | Yes | Full | 130.52 | Treed Swamp | Basin | Depleted Dark Surface | 20 | saturation, waters stained leaves | cinnamon fern, bunchberry, three-seeded sedge | black spruce | balsam fir, black spruce, red maple | |
| WL102 | Yes | Yes | Partial | 13,741.70 | Fen/ Treed Swamp | Basin | Histosol | 140 | saturation, water stained leaves | tussock sedge, bladder sedge, broad-leaved cattail, reed canary grass, three-seeded sedge, sensitive fern, bunchberry, northern starflower | red maple, balsam fir, black spruce, speckled alder | red maple, balsam fir, black spruce | |
| WL103 | Yes | Yes | Full | 627.49 | Treed Swamp | Slope | Histosol | 20 | saturation, water stained leaves | sensitive fern, bunchberry, northern starflower, cinnamon fern | red maple, yellow birch | red maple, yellow birch, black spruce | |
| WL104 | Yes | Yes | Full | 4,304.12 | Shrub Swamp | Slope | Histosol | 50 | saturation, drainage patterns | cinnamon fern, sensitive fern, hairy flat-top white aster, reed canary grass, sallow sedge, broad-leaved cattail | red maple, yellow birch, white meadowsweet, speckled alder | | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|---|---|--|---|------------------|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL105 | Yes | Yes | Partial | 12,176.80 | Shrub Swamp | Basin | Depleted Dark Surface | 20 | saturation | bristly dewberry, sensitive fern, bluejoint reed grass, hairy flat-top white aster | white meadowsweet, black spruce, speckled alder, red maple | | |
| WL106 | Yes | Yes | Partial | 1,038.67 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 20 | saturation, water stained leaves, drainage patterns | northern starflower, cinnamon fern, bunchberry, goldthread, spotted spotted jewelweed, american water horehound, sensitive fern, three-seeded sedge | balsam fir, red maple, black spruce | red maple, yellow birch, black spruce, balsam fir | |
| WL107 | Yes | Yes | Partial | 18,101.56 | Shrub Swamp | Basin | Histosol | 20 | saturation, drainage patterns, water stained leaves | bristly dewberry, cinnamon fern, three-seeded sedge, sensitive fern | red maple, balsam fir, yellow birch | red maple, yellow birch, balsam fir | |
| WL108 | Yes | Yes | Partial | 1,099.69 | Shrub Swamp | Basin | Histosol | 20 | saturation | reed canary grass, common woolly bulrush, broad-leaved cattail, poa spp., common woolly bulrush, Canada goldenrod, hairy flat-top white aster | white meadowsweet, red maple | red maple | |
| WL109 | Yes | No | Partial | 1,343.88 | Shrub Swamp | Basin | Histosol | 20 | saturation | tawny narrow-leaved cottongrass, bunchberry, hairy flat-top white aster, reed canary grass, sensitive fern, broad-leaved cattail, common woolly bulrush | white meadowsweet, speckled alder, red maple | red maple | |
| WL110 | Yes | Yes | Full | 761.20 | Shrub Swamp/ Marsh | Basin | Histosol | 40 | saturation, water stained leaves | reed canary grass, broad-leaved cattail, cinnamon fern | speckled alder, red maple | | |
| WL111 | Yes | Yes | Partial | 1,929.93 | Treed Swamp | Basin | Histosol | n/a | saturation, water stained leaves | Canada goldenrod, wood water horsetail, bunchberry, sensitive fern, bluejoint reed grass, cinnamon fern | red maple, black spruce, yellow birch | red maple, black spruce, yellow birch | |
| WL112 | Yes | Yes | Full | 1,669.34 | Shrub Swamp | Basin | Histosol | 30 | saturation, water stained leaves | reed canary grass, broad-leaved cattail, cinnamon fern | white meadowsweet, speckled alder, red maple | balsam fir, black spruce | |
| WL113 | Yes | No | Full | 269.01 | Shrub Swamp | Basin | Histosol | 30 | saturation, water stained leaves | tawny cottongrass, Bog aster, common woolly bulrush, hairy flat-top white aster | white meadowsweet, speckled alder, red maple | red maple | |
| WL114 | Yes | Yes | Partial | 24,851.54 | Shrub Swamp | Basin | Histosol | 140 | water stained leaves, high water table, drainage patterns | tawny cottongrass, hairy flat-top white aster, common woolly bulrush, sallow sedge, cinnamon fern | speckled alder, black spruce, red maple | | dead trees |
| WL115 | Yes | Yes | Partial | 2,436.29 | Marsh/ Treed Swamp | Basin | Depleted Dark Surface | 20 | saturation, surface water | american american burreed, arrow-leaved tearthumb, american water horehound, broad-leaved cattail, common marsh bedstraw, common woolly bulrush | white meadowsweet, speckled alder, black spruce, red maple, balsam fir | red maple, black spruce, yellow birch | |
| WL116 | Yes | No | Partial | 332.61 | Treed Swamp/ Shrub Swamp | Basin | Depleted Dark Surface | 20 | surface water, saturation | sensitive fern, arrow-leaved tearthumb, cinnamon fern, reed canary grass, broad-leaved cattail, hairy flat-top white aster | speckled alder, red maple, black spruce | red maple, balsam fir, black spruce | |
| WL117 | Yes | Yes | Partial | 9,065.18 | Treed Swamp/ Shrub Swamp | Basin | Depleted Dark Surface | 20 | surface water, high water table, saturation | reed canary grass, sallow sedge, broad-leaved cattail, cinnamon fern, bunchberry, sensitive fern, common woolly bulrush | speckled alder, white meadowsweet, red maple, | red maple, black spruce, balsam fir | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|------------|-----------------------|----------------------|--|--|--|-------------------------------------|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL118 | Yes | Yes | Partial | 2,091.63 | Treed Swamp/ Shrub Swamp | Basin | Depleted Dark Surface | 20 | surface water, high water table, saturation | reed canary grass, sallow sedge, broad-leaved cattail, cinnamon fern, bunchberry, sensitive fern, common woolly bulrush | speckled alder, white meadowsweet, red maple, | red maple, black spruce, balsam fir | |
| WL119 | Yes | No | Partial | 613.97 | Shrub Swamp | Basin | Histosol | 20 | saturation, water stained leaves | tawny cottongrass, broad-leaved cattail, common woolly bulrush, Canada rush, bunchberry, bristly dewberry | speckled alder, red maple, white meadowsweet | | |
| WL120 | Yes | Yes | Partial | 4,579.30 | Marsh/ Shrub Swamp | Floodplain | Histosol | 60 | saturation, surface water | sensitive fern, yellow birch, common woolly bulrush, hairy flat-top white aster, Canada goldenrod, tawny cottongrass, bristly dewberry | speckled alder, white meadowsweet, red maple, gray birch | | Heron seen, beaver dam separating a pond from the wetland Henderson brook runs through the wetland |
| WL121 | Yes | Yes | Partial | 9,281.38 | Shrub Swamp/ Marsh | Floodplain | Histosol | 40 | water stained leaves, saturation | sensitive fern, yellow birch, cinnamon fern, common woolly bulrush, tawny cottongrass, Canada goldenrod, sheep laurel, broad-leaved cattail | speckled alder, sheep laurel, white meadowsweet | | Transitions from Shrub Swamp to marsh under the existing lines. Some upland inclusions |
| WL122 | Yes | Yes | Partial | 13,001.19 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 30 | surface water, water stained leaves, saturation | spotted spotted jewelweed, bluejoint reed grass, bristly dewberry, rough-stemmed goldenrod, northern starflower | speckled alder, rhodora | red maple, yellow birch, balsam fir | |
| WL123 | Yes | Yes | Partial | 632.48 | Shrub Swamp | Basin | Histic Epipedon | 15 | water marks, water stained leaves, drainage patterns | broom sedge, sensitive fern bluejoint reed grass, hairy flat-top white aster, halifax blackberry | speckled alder, white meadowsweet, northern wild raisin, red maple, gray birch | | hummingbird |
| WL124 | Yes | Yes | Partial | 13,988.41 | Treed Swamp/ Marsh | Basin | Histic Epipedon | 20 | water stained leaves | bunchberry, three-leaved false soloman's seal, northern starflower, bristly dewberry, lance-leaved aster, eastern teaberry | red maple, yellow birch, mountain holly, speckled alder | red maple, yellow birch, balsam fir | |
| WL125 | Yes | Yes | Partial | 5,692.43 | Shrub Swamp | Floodplain | Histic Epipedon | 15 | surface water, water stained leaves, saturation | bluejoint reed grass, broom sedge, broad-leaved cattail, harlequin blue flag | speckled alder, balsam fir, gray birch, red maple, white meadowsweet, black spruce | | crosses road via culvert; gated road nearby |
| WL126 | Yes | Yes | Partial | 2,996.51 | Fen | Basin | Histic Epipedon | 80 | surface water, saturation | tawny cottongrass, Bog aster, common woolly bulrush, small cranberry, american american burreed | leatherleaf, sheep laurel, rhodora, black spruce, tamarack | | several dead Black Spruce, potentially dangerous when ground is very wet |
| WL127 | Yes | Yes | Partial | 1,979.37 | Shrub Swamp | Floodplain | Histosol | 45 | surface water, saturation, water stained leaves | nodding sedge, Canada manna grass, sensitive fern, cinnamon fern, spotted spotted jewelweed, hairy flat-top white aster, whorled wood aster bluejoint reed grass, bristly dewberry | speckled alder, red maple | | In Floodplain of the brook; Hummingbird |
| WL128 | No | Yes | Full | 135.98 | Treed Swamp | Basin | Depleted Dark Surface | 10 | saturation, water stained leaves | interrupted fern, sensitive fern, new york fern, lance-leaved aster, fringed sedge, hairy flat-top white aster | balsam fir, red maple | balsam fir, red maple | |
| WL129 | Yes | No | Full | 1,232.10 | Shrub Swamp/ Marsh | Slope | Histic Epipedon | 10 | water marks, water stained leaves, drainage patterns | sensitive fern, broad-leaved cattail, hairy flat-top white aster, cinnamon fern bluejoint reed grass, tawny cottongrass, bunchberry, bristly dewberry | speckled alder, red maple | | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|--|--|--|--|---|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL130 | No | Yes | Full | 217.28 | Treed Swamp | Basin | Depleted Dark Surface | 20 | water marks, water stained leaves, drainage patterns | northern starflower, wild lily-of-the-valley, lance-leaved aster, fowl blue grass, bristly dewberry, interrupted fern, sensitive fern, new york fern, common lady fern | balsam fir | trembling aspen, red maple, black spruce, yellow birch, balsam fir | very dry when delineated. Sphagnum spp. sp. |
| WL131 | No | Yes | Full | 272.47 | Treed Swamp | Basin | Depleted Dark Surface | 21 | water marks, water stained leaves, drainage patterns | bristly dewberry, sensitive fern, hairy flat-top white aster, fowl blue grass, sensitive fern, northern beech fern, nodding sedge, lance-leaved aster | balsam fir, red maple, american water horehound | trembling aspen, balsam fir, red maple | very dry when delineated. |
| WL132 | Yes | No | Partial | 1,451.87 | Shrub Swamp | Flat | Histic Epipedon | 25 | WM, WSL | sensitive fern, cinnamon fern, broad-leaved cattail, common woolly bulrush/bluejoint reed grass, bristly dewberry, hairy flat-top white aster | red maple, white meadowsweet | | |
| WL133 | Yes | No | Partial | 1,296.34 | Shrub Swamp | Slope | Histic Epipedon | 15 | water stained leaves, saturation | broad-leaved cattail, common woolly bulrush, soft rush, cinnamon fern, sensitive fern, bristly dewberry/bluejoint reed grass | common Labrador tea, white meadowsweet, speckled alder, gray birch, black spruce | | |
| WL134 | Yes | Yes | Full | 542.93 | Treed Swamp | Basin | Histic Epipedon | 10 | WM, WSL, DP, SW | bluejoint reed grass, cinnamon fern, wild lily-of-the-valley | speckled alder, black spruce, red maple, white meadowsweet | black spruce, red maple, balsam fir, yellow birch | Culvert Under Road drains into wetland, wetland is in the ditch of the road |
| WL135 | Yes | No | Partial | 1,289.47 | Shrub Swamp | Basin | Histosol | 70 | water marks, water stained leaves, saturation | broad-leaved cattail, cinnamon fern, Canada goldenrod, common woolly bulrush, tawny cottongrass | white meadowsweet, speckled alder, red maple | | |
| WL136 | No | Yes | Partial | 342.98 | Treed Swamp | Basin | Histic Epipedon | 50 | water stained leaves | cinnamon fern, three-seeded sedge, northern beech fern, wild lily-of-the-valley | red maple, balsam fir | red maple, balsam fir, black spruce | very dry when delineated |
| WL137 | Yes | Yes | Partial | 546.42 | Shrub Swamp | Basin | Histic Epipedon | 15 | water stained leaves, high water table | sensitive fern, cinnamon fern, water horsetail, tawny cottongrass, bristly dewberry, hairy flat-top white aster | red maple, speckled alder, pussy willow, white meadowsweet | red maple, black spruce | |
| WL138 | Yes | Yes | Partial | 1,099.05 | Treed Swamp | Basin | Histic Epipedon | 20 | WSL | cinnamon fern, bunchberry, nodding sedge, northern starflower, three-seeded sedge | northern wild raisin, balsam fir, red maple | red maple, yellow birch, balsam fir | |
| WL139 | Yes | No | Full | 372.79 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 15 | drainage patterns, water stained leaves | sensitive fern, cinnamon fern, water horsetail, tawny cottongrass, bristly dewberry, hairy flat-top white aster | red maple, speckled alder, pussy willow, white meadowsweet | red maple, black spruce | |
| WL140 | Yes | Yes | Full | 189.58 | Treed Swamp | Basin | Histosol | 20 | saturation, water stained leaves | hairy flat-top white aster/bluejoint reed grass, wild sarsaparilla, cinnamon fern, new york fern | yellow birch, balsam fir | red maple, trembling aspen, balsam fir, yellow birch | |
| WL141 | Yes | Yes | Full | 132.69 | Shrub Swamp | Basin | Histic Epipedon | 25 | saturation, water stained leaves | sensitive fern, cinnamon fern, common woolly bulrush, tawny cottongrass, bristly dewberry, hairy flat-top white aster | red maple, speckled alder, black spruce, white meadowsweet | red maple, black spruce | |
| WL142 | Yes | Yes | Partial | 2,121.98 | Shrub Swamp | Basin | Redox Depressions | 15 | water stained leaves | fringed sedge, sensitive fern | mountain holly, white meadowsweet, speckled alder, red maple, yellow birch | | lots of dead trees |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|----------|-----------------------|----------------------|---|---|--|--|---|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL143 | Yes | Yes | Partial | 1,267.98 | Shrub Swamp | Slope | Histosol | 10 | DP | tawny cottongrass, fringed sedge, common woolly bulrush, cinnamon fern, necklace sedge, lance-leaved aster | white meadowsweet, speckled alder, red maple | red maple, black spruce | steep slope, very dry conditions |
| WL144 | Yes | Yes | Partial | 1,034.02 | Shrub Swamp | Slope | Histic Epipedon | 25 | saturation | sensitive fern, harlequin blue flag, broad-leaved cattail, tawny cottongrass, common woolly bulrush | leatherleaf, sheep laurel, black spruce | | |
| WL145 | Yes | Yes | Partial | 2,070.02 | Shrub Swamp | Basin | Histosol | 15 | WM, WSL | star sedge, wild lily-of-the-valley, bunchberry | red maple, yellow birch, black spruce | balsam fir, black spruce, red maple, yellow birch, paper birch | |
| WL146 | Yes | Yes | Partial | 2,678.08 | Treed Swamp | Basin | Histosol | 20 | water stained leaves, saturation, surface water | bristly dewberry, cinnamon fern, bunchberry, wild lily-of-the-valley, woodland horsetail, sensitive fern | balsam fir, yellow birch | red maple, yellow birch, balsam fir | |
| WL147 | Yes | Yes | Partial | 3,620.63 | Shrub Swamp | Flat | Histic Epipedon | 30 | saturation | soft rush, common woolly bulrush, sensitive fern | white meadowsweet, speckled alder, red maple | | |
| WL148 | Yes | Yes | Partial | 4,442.35 | Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, surface water | cinnamon fern, soft rush, Canada manna grass, bristly dewberry, necklace sedge, arrow-leaved smartweed | speckled alder | black spruce, paper birch, yellow birch | Small pond |
| WL149 | Yes | Yes | Partial | 1,268.07 | Shrub Swamp | Basin | Histosol | 45 | SW, WM, WSL | tawny cottongrass, common woolly bulrush, sensitive fern, cinnamon fern, Canada goldenrod | speckled alder, red maple | | |
| WL150 | Yes | Yes | Partial | 3,241.30 | Shrub Swamp | Basin | Histic Epipedon | 80 | saturation | common woolly bulrush, water horsetail, bristly dewberry, carex spp. sp., narrow-leaved spring beauty, broad-leaved cattail | red maple, white meadowsweet | | |
| WL151 | No | Yes | Partial | 1,749.23 | Treed Swamp | Basin | Depleted Dark Surface | 20 | water stained leaves, saturation | cinnamon fern, wild sarsaparilla, whorled wood aster, northern northern starflower, wild lily-of-the-valley | american water horehound, northern wild raisin, mountain holly, balsam fir | american water horehound, balsam fir | |
| WL152 | Yes | Yes | Partial | 1,091.38 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 40 | saturation, high water table | woodland horsetail, eastern hay-scented fern, lance-leaved aster, cinnamon fern, nodding sedge | white meadowsweet, balsam fir, red maple, speckled alder | black spruce, paper birch, yellow birch, balsam fir | On tree line - comes in and out of the boundary |
| WL153 | Yes | Yes | Partial | 2,300.37 | Treed Swamp | Basin | Histosol | 60 | saturation, water stained leaves | sallow sedge, soft rush, cinnamon fern, hairy flat-top white aster | halifax blackberry, speckled speckled alder, red maple | yellow birch, red maple, balsam fir | |
| WL154 | Yes | Yes | Partial | 805.23 | Shrub Swamp | Slope | Histic Epipedon | 15 | saturation | common marsh bedstraw, tawny cottongrass, cinnamon fern, common woolly bulrush | black spruce, white meadowsweet | red maple, black spruce | plenty of slash present in the area |
| WL155 | Yes | Yes | Partial | 1,493.20 | Treed Swamp | Basin | Histic Epipedon | 40 | saturation | goldthread, Canada violet, bristly dewberry, tawny cottongrass, nodding sedge, Canada manna grass, cinnamon fern | speckled alder, black spruce | black spruce | |
| WL156 | Yes | Yes | Partial | 2,677.05 | Treed Swamp | Basin | Histosol | 30 | saturation, high water table | slender rush, wild lily-of-the-valley, harlequin blue flag, hairy flat-top white aster, common marsh bedstraw | balsam fir, black spruce, speckled alder | black spruce, balsam fir | some exposed/near surface bedrock |
| WL157 | Yes | No | Full | 312.29 | Shrub Swamp | Basin | Histic Epipedon | 15 | saturation, surface water | american american burreed, slender rush, black sedge, cinnamon fern | balsam fir, white meadowsweet, red maple | black spruce, red maple | evidence of surface water pooling in wet season |
| WL158 | Yes | Yes | Full | 1,230.82 | Shrub Swamp | Basin | Histosol | 70 | WM, WSL, DP | red raspberry, tawny cottongrass, bunchberry, cinnamon fern | speckled alder, red maple, white meadowsweet | | some deeper areas that might be treacherous |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|------------|---------------------------|----------------------|---|---|--|--|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL159 | Yes | No | Full | 282.40 | Shrub Swamp | Slope | Histic Epipedon | 15 | WM, WSL, DP, SW | american water horehound, Canada violet, sensitive fern, arrow-leaved smartweed | speckled alder | | evidence of surface water pooling in wet season |
| WL160 | No | Yes | Full | 303.04 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 80 | saturation | nodding sedge, three-seeded sedge, cinnamon fern, sensitive fern, bunchberry | black spruce, red maple | red maple, balsam fir, black spruce | stabilization likely required - very deep areas |
| WL161 | Yes | Yes | Partial | 3,187.94 | Treed Swamp | Basin | Histosol | 35 | saturation, high water table | goldthread, wild lily-of-the-valley, three-seeded sedge, small small cranberry, three-leaved false soloman's seal, cinnamon fern, northern beech fern | balsam fir, yellow birch, black spruce | balsam fir, yellow birch, black spruce | |
| WL162 | Yes | No | Full | 261.55 | Shrub Swamp | Slope | Histic Epipedon | 10 | WM, WSL | sensitive fern, bristly dewberry, bunchberry, tawny cottongrass, hairy flat-top white aster | speckled alder, black spruce | | very shallow - bedrock near surface |
| WL163 | Yes | No | Partial | 554.55 | Shrub Swamp/ Marsh | Basin | Very Shallow Dark Surface | 15 | WSL, DP, SSC | slender rush, common marsh bedstraw, marsh st. john's wort, | common woolly bulrush, speckled alders, aster spp. | black spruce | |
| WL164 | Yes | Yes | Partial | 1,760.43 | Shrub Swamp | Basin | Histosol | 10 | saturation, surface soil cracks, water stained leaves | bluejoint reed grass, tawny cottongrass, Canada goldenrod, hairy flat-top white aster, bristly dewberry | white meadowsweet, gray birch, black spruce | | Shrub Swamp/ marsh |
| WL165 | Yes | Yes | Partial | 7,921.99 | Shrub Swamp | Basin | Histic Epipedon | 15 | saturation, surface water | Canada manna grass, nodding sedge, hairy flat-top white aster, bristly dewberry, rough-stemmed goldenrod | speckled alder, balsam fir | | exposed bedrock |
| WL166 | Yes | Yes | Partial | 4,030.59 | Treed Swamp | Floodplain | Histic Epipedon | 20 | saturation | sensitive fern, american water horehound, rough-stemmed goldenrod, common marsh bedstraw, fowl manna grass | speckled alder | balsam fir, red maple | bedrock very shallow in spots |
| WL167 | Yes | Yes | Partial | 1,683.73 | Shrub Swamp | Slope | Histosol | 10 | surface water, saturation | slender rush, sensitive fern, red raspberry, bunchberry, Canada goldenrod, tawny cottongrass, arrow-leaved tearthumb | red maple, speckled alder, white meadowsweet | | exposed bedrock various locations throughout |
| WL168 | Yes | Yes | Full | 1,699.80 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 20 | saturation, high water table, water stained leaves | arrow-leaved tearthumbbluejoint reed grass, sensitive fern, cinnamon fern | red maple, black spruce, speckled alder | | |
| WL169 | Yes | Yes | Partial | 12,175.05 | Shrub Swamp | Floodplain | Histosol | 100 | surface water, saturation, water stained leaves | large small cranberry, tawny cottongrassbluejoint reed grass, marsh st. john's wort, hairy flat-top white aster, Canada rush | speckled alder, white meadowsweet, black spruce | | Throughflow with beaver lodge |
| WL170 | Yes | Yes | Full | 1,309.59 | Shrub Swamp | Basin | Histosol | 60 | saturation | sensitive fern, tawny cottongrass, bristly dewberry, arrow-leaved smartweed, common woolly bulrush, cinnamon fern | speckled alder, white meadowsweet, black spruce | | Full of slash/fresh cut |
| WL171 | Yes | Yes | Partial | 3,104.91 | Shrub Swamp | Basin | Histic Epipedon | 30 | saturation | bristly dewberry, cinnamon fern, hairy flat-top white aster, swamp red currant, common woolly bulrush | speckled alder, white meadowsweet, red maple | black spruce | Exposed bedrock surrounding wetland, some snags, purple fringed orchids in area (outside boundary) |
| WL172 | No | Yes | Full | 112.45 | Treed Swamp | Basin | Histosol | 30 | saturation | twinflower, wild lily-of-the-valley, cinnamon fern, fowl manna grass, | red maple, yellow birch | red maple, yellow birch | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|---------------------------------|----------|-----------------------|----------------------|---|--|--|---|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL173 | No | Yes | Partial | 1,198.32 | Treed Swamp | Basin | Histosol | 40 | saturation | cinnamon fern, sensitive fern, wild sarsaparilla, whorled wood aster, bunchberry, bristly dewberry | red maple, mountain maple | black spruce, red maple | |
| WL174 | Yes | Yes | Full | 2,242.63 | Treed Swamp/ Shrub Swamp/ Marsh | Basin | Histic Epipedon | 100 | saturation, high water table, surface water | slender rush, tawny cottongrass, common woolly bulrush, sensitive fern | white meadowsweet, speckled alder, red maple | paper birch, black spruce, red maple | |
| WL175 | Yes | Yes | Partial | 1,059.55 | Shrub Swamp | Basin | Histosol | 100 | saturation, hydrogen sulfide odour | fringed sedge, tawny cottongrass, cinnamon fern, Canada rush | speckled alder, white meadowsweet, black spruce | | |
| WL176 | Yes | Yes | Partial | 4,075.09 | Treed Swamp/ Marsh | Basin | Histosol | 100 | surface water, saturation, hydrogen sulfide odour | broad-leaved cattail, slender rush, tawny cottongrass | white meadowsweet, sheep laurel, red maple | balsam fir, red maple | not passable - any vehicle would sink |
| WL177 | Yes | No | Full | 299.63 | Shrub Swamp | Basin | Histic Epipedon | 25 | surface water, saturation, hydrogen sulfide odour | bristly dewberry, cinnamon fern, hairy flat-top white aster, swamp red currant, common woolly bulrush | speckled alder, white meadowsweet, red maple | | nearby watercourse serves as a boundary of the wetland |
| WL178 | Yes | Yes | Full | 386.94 | Shrub Swamp | Slope | Histic Epipedon | 30 | saturation, high water table, water stained leaves, surface water | sensitive fern, cinnamon fern, broad-leaved cattail, woodland horsetail | white meadowsweet, black chokeberry, speckled alder | | |
| WL179 | Yes | Yes | Full | 101.74 | Shrub Swamp | Flat | Histosol | 35 | surface water, saturation, water stained leaves | sensitive fern, cinnamon fern, carex spp., common woolly bulrush, bristly dewberry, rough-stemmed goldenrod, common marsh bedstraw, fowl blue grass, reed canary grass, three-seeded sedge | black chokeberry, speckled alder, northern wild raisin | black spruce, red maple, yellow birch, balsam fir | |
| WL180 | Yes | Yes | Full | 257.57 | Shrub Swamp | Slope | Histosol | 50 | WM, WSL, DP, SW | star sedge, rough-stemmed goldenrod, bristly dewberry, bunchberry, cinnamon fern, sensitive fern, common woolly bulrush | speckled alder, red maple | red maple | |
| WL181 | Yes | No | Full | 127.79 | Shrub Swamp | Basin | Histosol | 15 | surface water, water stained leaves | bluejoint reed grass, tawny cottongrass, common woolly bulrush, cinnamon fern, sensitive fern | red maple | red maple | |
| WL182 | Yes | Yes | Partial | 3,919.95 | Shrub Swamp | Basin | Redox Dark Surface | 15 | saturation, high water table, water stained leaves | cinnamon fern, sensitive fern, fringed sedge, rough-stemmed goldenrod, bristly dewberry, spotted spotted jewelweed | speckled alder | | Primarily an Speckled Alderswamp |
| WL183 | Yes | Yes | Partial | 904.56 | Shrub Swamp | Basin | Histosol | 15 | saturation, high water table | common woolly bulrush, cinnamon fern, red raspberry, sensitive fern, sallow sedge, tawny cottongrass, hairy flat-top white aster, Canada goldenrod | speckled alder, white meadowsweet, red maple | | |
| WL184 | Yes | No | Full | 349.61 | Shrub Swamp | Basin | Histosol | 15 | saturation, high water table | cinnamon fern, bunchberry, bristly dewberry, tawny cottongrass | sheep laurel, common Labrador tea, leatherleaf, black spruce | black spruce | |
| WL185 | Yes | Yes | Partial | 2,756.48 | Shrub Swamp | Basin | Histosol | 100 | saturation | cinnamon fern, sensitive fern, bunchberry, northern starflower, bristly dewberry | speckled alder, red maple | red maple, balsam fir, black spruce | Road runs up the middle with a culvert |
| WL186 | Yes | Yes | Partial | 1,900.19 | Shrub Swamp/ Treed Swamp/ Marsh | Basin | Histosol | 30 | saturation, high water table, water stained leaves | common marsh bedstraw, cinnamon fern, bristly dewberry, water horsetail | speckled alder | balsam fir, red maple | Road up the middle, with Treed Swamp on one side, and Speckled Alderswamp/Marsh on the other |
| WL187 | No | Yes | Partial | 153.12 | Treed Swamp | Basin | Histosol | 50 | saturation, water stained leaves | cinnamon fern, spotted spotted jewelweed, northern beech fern, nodding sedge, star sedge | yellow birch, balsam fir | red maple, yellow birch, balsam fir | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|-------------------|-----------------------|----------------------|---|---|--|---------------------------------------|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL188 | Yes | No | Partial | 1,436.35 | Shrub Swamp | Basin | Depleted Dark Surface | 30 | saturation, high water table | sensitive fern, bluejoint reed grass, common woolly bulrush, cinnamon fern, Canada goldenrod, hairy flat-top white aster, broad-leaved cattail | speckled alder, red maple, red raspberry, white meadowsweet | | |
| WL189 | Yes | No | Partial | 1,332.27 | Shrub Swamp | Basin | Histosol | 60 | saturation, high water table | sensitive fern, cinnamon fern, soft rush, common woolly bulrush, tawny cottongrass | speckled alder, white meadowsweet, red maple | balsam fir, red maple | |
| WL190 | Yes | Yes | Partial | 2,385.41 | Shrub Swamp | Basin | Histosol | 45 | saturation, high water table | sensitive fern, bluejoint reed grass, common woolly bulrush, cinnamon fern, Canada goldenrod, hairy flat-top white aster, broad-leaved cattail | speckled alder, red maple, red raspberry, white meadowsweet | | |
| WL191 | Yes | Yes | Partial | 2,802.22 | Treed Swamp | Basin | Histosol | 30 | saturation, high water table | fowl manna grass, cinnamon fern, bristly dewberry, fowl blue grass, northern starflower | red maple, black spruce, balsam fir, yellow birch | black spruce, yellow birch, red maple | |
| WL192 | Yes | No | Partial | 1,409.77 | Shrub Swamp | Basin | Histosol | 55 | water marks, drainage patterns, surface soil cracks, saturation | Canada rush, nodding sedge, sensitive fern, Canada goldenrod, hairy flat-top white aster, common woolly bulrush, cinnamon fern, royal fern, red raspberry, bunchberry | speckled alder, red maple, black spruce, white meadowsweet, gray birch, mountain holly | | <i>Sphagnum spp. sp.</i> |
| WL193 | Yes | Yes | Full | 921.42 | Shrub Swamp | Basin | Depleted Matrix | 35 | surface water, saturation | cinnamon fern, sensitive fern, broad-leaved cattail, american burreed, slender rush, graceful sedge | speckled alder, balsam fir, mountain holly, red maple | | road directly through the middle of the wetland, with culvert |
| WL194 | Yes | No | Partial | 329.08 | Shrub Swamp | Basin | Histosol | 20 | saturation | arrow-leaved smartweed, sensitive fern, harlequin blue flag, broad-leaved cattail, bluejoint reed grass, common woolly bulrush, bristly dewberry | white meadowsweet, speckled alder, northern wild raisin | | |
| WL195 | No | Yes | Partial | 36.73 | Shrub Swamp | Basin | Histosol | 20 | saturation, standing water | tawny cottongrass, large small cranberry, bristly dewberry, Canada rush, common woolly bulrush, eastern eastern hay-scented fern | white meadowsweet, speckled alder, balsam fir | balsam fir | |
| WL196 | Yes | Yes | Partial | 1,467.57 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 30 | high water table, saturation | cinnamon fern, bunchberry, northern starflower, goldthread, eastern teaberry, three-seeded sedge | red maple, yellow birch, black spruce | red maple, yellow birch, black spruce | |
| WL197 | Yes | Yes | Full | 3,205.02 | Shrub Swamp | Basin | Histosol | 140 | high water table, saturation | three-seeded sedge, nodding sedge, common woolly bulrush, creeping snowberry, slender rush | black spruce, speckled alder, balsam fir, red maple, gray birch, american mountain ash | | |
| WL198 | Yes | Yes | Full | 1,915.19 | Treed Swamp/ Shrub Swamp | Floodplain | Histosol | 40 | saturation, surface water, high water table | bluejoint reed grass, cinnamon fern, sensitive fern, Canada goldenrod | speckled alder | | |
| WL199 | Yes | Yes | Partial | 23,613.77 | Treed Swamp | Basin/ Floodplain | Histic Epipedon | 120 | high water table, saturation | tawny cottongrass, three-leaved false soloman's seal, bristly dewberry, sallow sedge, cinnamon fern | red maple, speckled alder, white meadowsweet, northern wild raisin | | road on south side is submerged, upland inclusions south end taper off going north |
| WL200 | Yes | Yes | Partial | 5,338.38 | Shrub Swamp | Basin | Histosol | 40 | high water table, surface water, saturation | bunchberry, creeping snowberry, three-seeded sedge, cinnamon fern, three-leaved false soloman's seal, pink lady's-slipper | black spruce, mountain holly, balsam fir, red maple | | |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|------------|-----------------------|----------------------|---|--|---|---|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL201 | No | Yes | Partial | 278.94 | Treed Swamp | Basin | Histosol | 80 | saturation, surface water, high water table | necklace sedge, arrow-leaved smartweed | black spruce | black spruce | lots of dead trees, beaver dam |
| WL202 | Yes | Yes | Partial | 9,094.56 | Treed Swamp | Basin | Histosol | 10 | surface water | tawny cottongrass, three-seeded sedge, bunchberry, northern starflower, cinnamon fern | black spruce, balsam fir | black spruce | along road large ditches/puddles |
| WL203 | Yes | Yes | Partial | 26,403.76 | Shrub Swamp | Basin | Histosol | 100 | saturation | Canada manna grassbluejoint reed grass, sensitive fern, cinnamon fern, cyperuslike sedge, cinnamon fern | speckled alder, mountain holly, red maple, yellow birch, balsam fir | | |
| WL204 | Yes | Yes | Partial | 20,674.73 | Shrub Swamp | Basin | Histosol | 140 | high water table | necklace sedge, cinnamon fern, cyperuslike sedge, common marsh bedstraw, alternate-leaved dogwood | speckled alder, white meadowsweet | | |
| WL205 | Yes | Yes | Partial | 7,944.51 | Treed Swamp | Basin | Histosol | 20 | saturation, water stained leaves, drainage patterns | bluejoint reed grass, wild lily-of-the-valley, goldthread, sensitive fern, cinnamon fern, red maple, bristly dewberry, tawny cottongrass | speckled alder, red maple, mountain holly, white meadowsweet | balsam fir, red maple | <i>Sphagnum spp. sp.</i> |
| WL206 | Yes | Yes | Full | 369.59 | Shrub Swamp | Basin | Histosol | 40 | saturation, surface soil cracks | rice cut grass, common woolly bulrush, arrow-leaved tearthumb, Canada goldenrod | speckled alder, red maple, mountain holly, white meadowsweet | | |
| WL207 | Yes | No | Partial | 1,397.22 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 40 | saturation | yellow birch, Canada manna grassbluejoint reed grass | white meadowsweet, speckled alder, red maple | | |
| WL208 | Yes | Yes | Partial | 4,248.08 | Treed Swamp | Basin | Histosol | 60 | high water table, saturation | nodding trillium, cinnamon fern, sensitive fern, bunchberry, northern starflower | mountain holly, red maple, black spruce | black spruce, balsam fir | |
| WL209 | Yes | Yes | Partial | 17,052.13 | Treed Swamp | Basin | Depleted Dark Surface | 30 | saturation, water stained leaves | woodland horsetail, common woolly bulrush, cinnamon fern, sensitive fern, northern starflower, goldthread, | sheep laurel, mountain holly, balsam fir, northern wild raisin, black spruce, red maple, yellow birch | black spruce | |
| WL210 | Yes | Yes | Partial | 1,776.67 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 20 | saturation, high water table | sensitive fern, cinnamon fern, wild lily-of-the-valley, northern starflower, woodland horsetail, three-seeded sedge | speckled alder, mountain holly, yellow birch, black spruce, red maple | black spruce, yellow birch, red maple | |
| WL211 | Yes | Yes | Partial | 2,770.83 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 20 | saturation, water stained leaves | cinnamon fern, sensitive fern, woodland horsetail, carex spp., bunchberry | speckled alder, black spruce | | |
| WL212 | Yes | Yes | Partial | 2,913.65 | Shrub Swamp | Basin | Histosol | 40 | saturation | sensitive fern, cinnamon fern, tawny cottongrass, common woolly bulrushbluejoint reed grass | speckled alder, mountain holly, red maple, spruce, common Labrador tea, sheep laurel | | |
| WL213 | Yes | Yes | Partial | 7,464.74 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | bluejoint reed grass, new york fern, woodland horsetail | speckled alder | | |
| WL214 | Yes | Yes | Partial | 11,395.20 | Treed Swamp/ Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | sensitive fern, new york fernbluejoint reed grass, cinnamon fern, common woolly bulrush | red maple, rhodora | red maple, paper birch, black spruce, trembling aspen, balsam fir | Sloped Treed Swamp intercepted by man-made ditch along field |
| WL215 | No | Yes | Partial | 93.86 | Shrub Swamp | Floodplain | Histic Epipedon | 25 | surface water, high water table | sensitive fern, cinnamon fern, necklace sedge, water horsetail, bunchberry, northern starflower | speckled alder, red maple | red maple | nearby watercourse serves as a boundary of the wetland; POND |
| WL216 | Yes | Yes | Partial | 6,646.45 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 140 | high water table | sensitive fern, cinnamon fern, necklace sedge, wood water horsetail, bunchberry, northern starflower | speckled alder, red maple | red maple | unable to transit through |

| WETLAND ID | EXISTING IN L8001 | EXISTING IN L8005 | PARTIAL OR FULL | WETLAND SIZE IN ROW (sq.m) | WETLAND TYPE | LANDFORM | HYDRIC SOIL INDICATOR | SUBSTRATE DEPTH (cm) | SURFACE/HYDROLOGIC CONDITIONS | VEGETATION | | | ADDITIONAL NOTES |
|------------|-------------------|-------------------|-----------------|----------------------------|--------------------------|------------|-----------------------|----------------------|---|---|--|-----------------------|--|
| | | | | | | | | | | HERBS | SHRUBS | TREES | |
| WL217 | Yes | Yes | Partial | 15,822.39 | Treed Swamp | Basin | Histosol | 20 | saturation, waterstained leaves, water marks, drainage patterns | swamp beggarticks, arrow-leaved smartweed, fowl blue grass | speckled alder | red maple, balsam fir | |
| WL218 | Yes | Yes | Partial | 468.80 | Marsh | Basin | Redox Depressions | n/a | surface soil cracks, water stained leaves | Canada rush, common woolly bulrush, sallow sedge, common woolly bulrush, rough-stemmed goldenrod, broad-leaved cattail | | | Wetland is a bowl/sink with a slope uphill perimeter |
| WL219 | Yes | Yes | Partial | 25,618.21 | Shrub Swamp/ Marsh | Basin | Histic Epipedon | 20 | surface water | woodland horsetail, sensitive fern, yellow birch, slender sedge | speckled alder | | <i>Sphagnum spp. sp.</i> |
| WL220 | Yes | Yes | Partial | 17,862.70 | Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | sensitive fern, interrupted fern, common woolly bulrush | speckled alder | | |
| WL221 | Yes | Yes | Partial | 9,446.85 | Shrub Swamp | Basin | Histic Epipedon | 20 | surface water, high water table | woodland horsetail, sensitive fern, yellow birch, slender sedge | speckled alder | | <i>Sphagnum spp. sp.</i> |
| WL222 | Yes | Yes | Partial | 12,834.37 | Shrub Swamp | Basin | Histic Epipedon | 20 | high water table | sensitive fern, interrupted fern, common woolly bulrush, tawny cottongrass, nodding sedge | northern wild raisin, speckled alder, red maple | | |
| WL223 | Yes | Yes | Partial | 2,148.11 | Treed Swamp/ Shrub Swamp | Basin | Histosol | 140 | high water table | wood water horsetail, sensitive fern, yellow birch, slender sedge, Canada goldenrod, | speckled alder, white meadowsweet, red maple, black spruce | black spruce | lots of dead trees |
| WL224 | Yes | Yes | Partial | 5,592.37 | Shrub Swamp | Basin | Depleted Dark Surface | n/a | saturation | yellow birch, wood water horsetail, sensitive fern, Canada goldenrod, bunchberry | black chokeberry, gray birch, speckled alder | | |
| WL225 | Yes | Yes | Full | 6,132.67 | Shrub Swamp | Basin | Depleted Dark Surface | n/a | saturation | rice cut grass, wild sarsaparilla, wood water horsetail, arrow-leaved tearthumb, sallow sedge, bladder sedge | black chokeberry, speckled alder, black spruce | | |
| WL226 | No | Yes | Full | 1,436.62 | Treed Swamp | Basin | Histosol | 40 | high water table | bunchberry, northern starflower, goldthread, wild lily-of-the-valley, star sedge, bluejoint reed grass, bristly dewberry | speckled alder, balsam fir | balsam fir | <i>Sphagnum spp. sp.</i> |
| WL227 | Yes | Yes | Partial | 23,366.92 | Shrub Swamp | Basin | Histosol | 30 | high water table | rhodora, common Labrador tea, leatherleaf | mountain holly, white spruce, tamarack, northern wild raisin | | |
| WL228 | Yes | Yes | Partial | 68.86 | Shrub Swamp | Basin | Histosol | 30 | surface water, water stained leaves | rhodora, common Labrador tea, leatherleaf | mountain holly, white spruce, tamarack, northern wild raisin | | |
| WL229 | Yes | Yes | Partial | 4,649.54 | Shrub Swamp | Basin | Histosol | n/a | intermittent surface water, water stained leaves | broad-leaved cattail, reed canary grass, hairy flat-top white aster, common woolly bulrush, wild oats, Canada manna grass, Canada goldenrod, sensitive fern, carex spp., marsh st. john's wort, equisetum spp. | white meadowsweet, speckled alder | | |
| WL230 | Yes | Yes | Partial | 10,005.87 | Treed Swamp/ Shrub Swamp | Floodplain | Histosol | 60 | SW, WSL, DP | sensitive fern, cinnamon fern, swamp red currant, Canada goldenrod, spotted jewelweed, rough-stemmed goldenrod, goldthread, wild sarsaparilla, red raspberry, awl-fruited sedge, wood water horsetail, fowl manna grass | speckled alder, black chokeberry | red maple | |

Table E2. Watercourse Characteristics Summary

| Watercourse Crossing ID | Topographical Name (if present) | Watercourse Classification | Present in L8005 Right of Way (Y/N) | Present in L8001 Right of Way (Y/N) | Direction of Flow | Channel Depth (cm) | Channel Width (cm) | Water Depth (cm) | Water Width (cm) | Substrate (Boulder, Cobble, Gravel, Sand, Fines, Muck, Debris) | Instream Cover | | | | Bank Notes | Riparian Habitat | Notes |
|-------------------------|---------------------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------|--------------------|--------------------|------------------|------------------|--|--------------------|--------------------|----------------|---------------------|---|---|--|
| | | | | | | | | | | | Small Woody Debris | Large Woody Debris | Undercut Banks | Instream Vegetation | | | |
| WC1 | | Intermittent | Y | Y | S | 20 | 200 | 0 | 0 | Fines/Muck | Y | | Y | Y | eroding undercut banks | herbaceous, shrub, softwood, hardwood, softwood | |
| WC2 | | Intermittent | Y | Y | W | 30 | 100 | 0 | 0 | Fines/Muck | Y | | N | | banks very sloped | herbaceous, hardwood | no real banks to define channel, very sloped, many trees on either side |
| WC3 | | Ephemeral | Y | Y | W | 10 | 30 | 0 | 0 | Fines/Muck | Y | | Y | | banks in good condition | herbaceous, graminoids, hardwood, softwood | fish bearing, lots of algae in water |
| WC4 | | Ephemeral | Y | Y | W | 30 | 30 | 0 | 0 | Fines/Muck | Y | | Y | | good condition | alders, graminoids, hardwood, softwood | fish bearing, lots of algae in water |
| WC5 | | Intermittent | N | Y | SE | 25 | 100 | 0 | 0 | Fines/Muck | Y | | N | | sloped | softwood, hardwood, herbaceous | mosses on rocky bottom, ends in surface drainage |
| WC6 | | Large Permanent | Y | Y | E | 20 | 600 | 20 | 580 | Fine | Y | | N | Y | sloped banks | shrubs, graminoids, herbaceous | riffles and fish bearing, ending in a wetland outside boundary, connected to AD034 |
| WC7 | | Intermittent | Y | Y | N | 25 | 100 | 0 | 0 | Cobble | Y | | N | | undercut banks | alders, herbaceous, graminoid | some blockages, ends in large open marsh wetland at boundary |
| WC8 | McElmon Brook | Small Permanent | Y | Y | NE | 150 | 600 | 15 | 200 | Cobble/Boulders | Y | | Y | | well defined | undercut banks, shrubs and trees on bank | |
| WC9 | | Small Permanent | Y | Y | N | 100 | 300 | 10 | 100 | Gravel/Fines | Y | | Y | | lots of undercut and eroding banks | alders, herbaceous, graminoids, hardwood | culvert under road at 1321 |
| WC10 | Seaman Brook | Small Permanent | Y | Y | NW | 150 | 700 | 15 | 500 | Bedrock | Y | | | Y | | herbaceous, graminoid, shrub, softwood, hardwood | Banks full of roots |
| WC11 | Seaman Brook | Small Permanent | Y | Y | W | 150 | 700 | 15 | 500 | Bedrock | Y | | | Y | | shrub, hardwood, softwood | Steep banks, small fringe wet area |
| WC12 | | Ephemeral | Y | N | N | 50 | 100 | 0 | 0 | Gravel/Cobble | Y | | | Y | | herbaceous, graminoid, shrub | Most likely just a ditch, clay banks |
| WC13 | Seaman Brook | Large Permanent | Y | Y | N | 100 | 400 | 70 | 300 | Cobble/Fines/ Gravel | Y | | | Y | | herbaceous, graminoid, shrub | substrate could not be determined due to depth/murky |
| WC14 | Purdy Brook | Large Permanent | Y | Y | SW | 250 | 500 | 200 | 400 | Fines/Muck | Y | | | Y | | herbaceous, shrub, softwood, hardwood | |
| WC15 | | Small Permanent | Y | Y | S | 100 | 300 | 0 | 0 | Cobbles/Gravel | Y | Y | | Y | | shrub, hardwood (dominantly alder) | |
| WC16 | | Small Permanent | Y | Y | S | 50 | 100 | 0 | 0 | Cobble/Gravel | Y | Y | Y | | some undercut banks | alders (some roots in the watercourse) | |
| WC17 | | Intermittent | Y | Y | W | 200 | 300 | 0 | 0 | Cobble/Gravel | Y | | Y | Y | some undercut sections | fringe wetland, herbaceous, shrub, softwood, hardwood | |
| WC18 | | Intermittent | Y | Y | E | 50 | 100 | 0 | 0 | Fines/Muck | Y | | | Y | | herbaceous, shrub, hardwood, softwood | |
| WC19 | | Intermittent | Y | Y | E | 50 | 150 | 0 | 0 | Sand | Y | | Y | Y | poorly, confined sloping banks in some sections; well defined, undercut in other sections | shrubs, graminoids, herbaceous, hardwood, softwood | some instream mosses |
| WC20 | | Intermittent | Y | Y | E | 40 | 330 | 35 | 300 | Cobble/Muck/Fines | Y | | | | sloping banks | herbaceous, hardwood | |
| WC21 | | Intermittent | Y | Y | N | 70 | 300 | 0 | 0 | Gravel/Rubble | Y (abundant) | Y (abundant) | Y | | | graminoid | |
| WC22 | | Ephemeral | Y | Y | N | 100 | 200 | 0 | 0 | Gravel/ Fines | Y | Y | Y | | good condition | hardwood, softwood | |
| WC23 | | Ephemeral | Y | Y | E | 50 | 120 | 0 | 0 | Dominantly cobble | Y | | Y | | | herbaceous, graminoids, shrubs, trees (graminoids dominant) | |
| WC24 | | Intermittent | Y | Y | NE | 40 | 100 | 10 | 30 | Dominantly cobble | Y | | Y | | good condition | graminoids, hardwood, softwood | Some roots extending into watercourse |
| WC25 | | Ephemeral | Y | Y | NE | 20 | 75 | 20 | 75 | Dominantly fines/muck | Y | | Y | | | graminoids | fish bearing |
| WC26 | | Ephemeral | Y | N | N | 20 | 50 | 10 | 20 | Dominantly Sands and Fines/Muck | Y | | | Y | | herbaceous, graminoid, shrub, softwood, hardwood | Stream transitions from rubble to fines |
| WC27 | Crowley Brook | Small Permanent | Y | Y | W | 30 | 130 | 30 | 130 | Cobble, Gravel | Y | | | | little in the way of banks | hardwood, softwood | 601 enters wetland |
| WC28 | | Ephemeral | Y | Y | S | 50 | 40 | 10 | 30 | Dominantly Cobble | Y | | | Y | sloped, poorly confined | herbaceous, graminoid | Wetland in the middle |
| WC29 | Drennan Brook | Intermittent | Y | Y | E | 50 | 100 | 0 | 0 | Dominantly Fines/Muck | Y | | Y | | some undercut banks | graminoid, shrub, softwood, hardwood | Empties into Folly River |
| WC30 | | Intermittent | Y | Y | NE | 30 | 100 | 0 | 0 | Cobble/Gravel | Y | | | | very shallow banks | herbaceous, hardwood, softwood | |
| WC31 | | Intermittent | Y | Y | E | | | | | Fines/Muck | Y | | Y | | some undercutting | hardwood, softwood | |

Table E2. Watercourse Characteristics Summary

| Watercourse Crossing ID | Topographical Name (if present) | Watercourse Classification | Present in L8005 Right of Way (Y/N) | Present in L8001 Right of Way (Y/N) | Direction of Flow | Channel Depth (cm) | Channel Width (cm) | Water Depth (cm) | Water Width (cm) | Substrate (Boulder, Cobble, Gravel, Sand, Fines, Muck, Debris) | Instream Cover | | | | Bank Notes | Riparian Habitat | Notes |
|-------------------------|---------------------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------|--------------------|--------------------|------------------|------------------|--|--------------------|--------------------|----------------|--|--|--|-------|
| | | | | | | | | | | | Small Woody Debris | Large Woody Debris | Undercut Banks | Instream Vegetation | | | |
| WC32 | South Drennan Broo | Intermittent | Y | Y | W | 50 | 200 | 0 | 0 | Dominantly Fines/Muck | Y | | | | hardwood, softwood | | |
| WC33 | | Ephemeral | Y | Y | E | 40 | 150 | 0 | 0 | Dominantly Fines/Muck and Sand | Y | | Y | | hardwood, softwood | | |
| WC34 | | Intermittent | Y | Y | W | 30 | 75 | 0 | 0 | Cobble/Gravel | Y | | | | hardwood, herbaceous, softwood | | |
| WC35 | | Ephemeral | Y | N | N | 30 | 50 | 0 | 0 | Dominantly Cobble | Y | | | steep, rocky banks | graminoid, shrub, softwood, hardwood | | |
| WC36 | Snider Brook | Ephemeral | Y | Y | NW | 40 | 150 | 0 | 0 | Dominantly Cobble | Y | | Y | long sloping banks | alder, graminoid, herbaceous, hardwood, softwood | fish bearing | |
| WC37 | | Ephemeral | Y | Y | NE | 50 | 200 | 0 | 0 | Dominantly Cobble | Y | | Y | some undercut banks | hardwood, softwood, graminoids | | |
| WC38 | | Intermittent | Y | Y | W | 60 | 100 | 0 | 0 | Gravel/Cobble | Y | Y | Y | some muddy sections, some undercut sections | alders, graminoids, hardwood, softwood | | |
| WC39 | Smith Brook | Small Permanent | Y | Y | N | 30 | 200 | 10 | 180 | Cobble/Gravel | Y | | Y | good condition | hardwood, shrub | crosses atv trail at the boundary via culvert, empties into the debert river at 1297 | |
| WC40 | | Intermittent | Y | Y | SE | 10 | 100 | 0 | 0 | Fines/Muck | Y | | | wooded banks | hardwood, herbaceous | | |
| WC41 | | Small Permanent | Y | Y | NW | 25 | 60 | 10 | 60 | Rubble/Boulder | Y | Y | | | alders, graminoids, herbaceous | | |
| WC42 | | Intermittent | Y | Y | E | 30 | 200 | 0 | 0 | Rubble | Y | | | tons of alders with very little space to navigate | | Joins with MC029, fish bearing | |
| WC43 | | Small Permanent | Y | Y | SW | 60 | 120 | 30 | 120 | Cobble/ Rubble/ Gravel | Y | | Y | mucky | lots of alders and other forbs | fish bearing with freshwater clams and finfish, joins with MC029 | |
| WC44 | | Small Permanent | Y | Y | SW | 15 | 100 | 20 | 90 | Cobble/Gravel | Y | | | sloping banks | hardwood, sofwood | culvert under road connected to wetland | |
| WC45 | | Intermittent | Y | Y | E | 60 | 100 | 10 | 80 | Cobble/ Bedrock/ Gravel | Y | | Y | | herbaceous, graminoid, shrubs | ends in wetland | |
| WC46 | | Ephemeral | Y | Y | NE | 40 | 400 | 10 | 30 | Dominantly Rubble | Y | | Y | | herbaceous, graminoid | | |
| WC47 | | Intermittent | Y | Y | NE | 40 | 50 | 0 | 0 | Cobble/Gravel/Fines | Y | | Y | | graminoid | | |
| WC48 | | Small Permanent | Y | Y | NE | 20 | 100 | 10 | 80 | Cobble/Gravel | Y | | Y | | Herbaceous, graminoid, shrub, softwood, hardwood | | |
| WC49 | | Intermittent | Y | N | NE | 10 | 60 | 0 | 0 | Cobble | Y | Y | Y | | Herbaceous, graminoid, shrub, softwood, hardwood | | |
| WC50 | | Ephemeral | Y | Y | NE | 10 | 60 | 0 | 0 | Cobble | Y | | Y | | Herbaceous, graminoid, shrub, hardwood | | |
| WC51 | | Small Permanent | Y | Y | SW | 60 | 200 | 20 | 100 | Gravel | Y | Y | Y | | Herbaceous, graminoid, shrub, hardwood | | |
| WC52 | | Ephemeral | Y | Y | S | 20 | 100 | 0 | 0 | Gravel/Fines | Y | | Y | significant undercutting in places, with roots exposed | hardwood, alders, herbaceous | potential turtle habitat, fish bearing | |
| WC53 | | Ephemeral | Y | Y | NE | 40 | 100 | 0 | 0 | Rubble/Cobble | Y | | Y | | alder, graminoid, herbaceous | fish bearing, lots of algae in water | |
| WC54 | | Ephemeral | Y | Y | S | 30 | 180 | 0 | 0 | Rubble/cobble/fines | Y | Y | | | herbaceous, graminoid, shrub | Fishing bearing, observed, Beaver dam | |
| WC55 | | Intermittent | Y | N | N | 20 | 30 | 0 | 0 | Fines/Muck | Y | | Y | | herbaceous, graminoid, shrub | fish bearing | |
| WC56 | | Intermittent | Y | N | W | 30 | 200 | 5 | 30 | Rubble/Cobble | Y | | Y | | Herbaceous, graminoid, Shrub, softwood, hardwood | Very dry; dissappears | |
| WC57 | | Intermittent | Y | N | E | 30 | 400 | 0 | 0 | Fines/Cobble/Roots | Y | | Y | | Herbaceous, graminoid, Shrub, softwood, hardwood | | |
| WC58 | | Small Permanent | Y | Y | S | 100 | 300 | 15 | 100 | Cobble/Gravel | Y | | Y | | herbaceous, graminoid, shrub | | |
| WC59 | | Small Permanent | Y | Y | S | 100 | 500 | 10 | 100 | Cobble/Gravel | Y | Y | Y | | herbaceous, graminoid, shrub | | |
| WC60 | | Intermittent | Y | N | S | 30 | 150 | 0 | 0 | Cobble/Gravel | Y | Y | Y | | herbaceous, graminoid, shrub | Drainage Ditch | |
| WC61 | Pine Brook | Small Permanent | Y | Y | N | 60 | 500 | 25 | 300 | Cobble | Y | | Y | | herbaceous, graminoid, shrub | Buried Drainage | |
| WC62 | Totten Brook | Small Permanent | Y | Y | S | 100 | 500 | 40 | 400 | Cobble/Gravel to Sand/Fine | Y | | Y | | herbaceous, graminoid, shrub | No Photo | |
| WC63 | Debert River | Large Permanent | Y | Y | S | 100 | 2500 | 100 | 2400 | Bedrock/Gravel/ Cobble | Y | | Y | | herbaceous, graminoid, shrub | Mostly Dry | |

Table E2. Watercourse Characteristics Summary

| Watercourse Crossing ID | Topographical Name (if present) | Watercourse Classification | Present in L8005 Right of Way (Y/N) | Present in L8001 Right of Way (Y/N) | Direction of Flow | Channel Depth (cm) | Channel Width (cm) | Water Depth (cm) | Water Width (cm) | Substrate (Boulder, Cobble, Gravel, Sand, Fines, Muck, Debris) | Instream Cover | | | | Bank Notes | Riparian Habitat | Notes |
|-------------------------|---------------------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------|--------------------|--------------------|------------------|------------------|--|--------------------|--------------------|----------------|---------------------|--|--|-------------------------------------|
| | | | | | | | | | | | Small Woody Debris | Large Woody Debris | Undercut Banks | Instream Vegetation | | | |
| WC64 | | Intermittent | Y | Y | W | 50 | 100 | 10 | 25 | Cobble/Boulders | Y | Y | | Y | | herbaceous, graminoid, shrub | Mostly Dry |
| WC65 | | Small Permanent | Y | Y | W | 50 | 100 | 5 | 40 | Cobble | Y | Y | | Y | | Herbaceous, graminoid, shrub, softwood, hardwood | Beaver Dam |
| WC66 | | Small Permanent | Y | Y | NE | 75 | 50 | 20 | 40 | Dominantly Fines/Muck | Y | | | Y | | Herbaceous, graminoid, shrub, softwood, hardwood | Beaver Dam |
| WC67 | | Small Permanent | N | Y | N | 100 | 180 | 50 | 170 | Fines/Muck | Y | | | Y | | herbaceous, graminoid, shrub | |
| WC68 | | Small Permanent | Y | Y | SE | 30 | 150 | 15 | 150 | Fines/Muck | Y | | Y | | minor undercut banks, eroding in some places | herbacous, shrub | |
| WC69 | | Small Permanent | Y | Y | S | 70 | 150 | 20 | 150 | Gravel/Cobble | Y | | | | eroding in some places | graminoid, softwood, hardwood | |
| WC70 | Lightbody Brook | Small Permanent | Y | Y | S | 1 | 400 | 20 | 200 | Fines/Muck | Y | | | Y | | herbaceous, graminoid, shrub | |
| WC71 | | Intermittent | Y | Y | N | 40 | 100 | 5 | 10 | Fines/Muck | Y | | | Y | | herbaceous, graminoid, shrub | |
| WC72 | Beaver Brook | Small Permanent | Y | Y | N | 50 | 300 | 20 | 250 | Cobble/Gravel/Debris | Y | | | Y | | shrub | Joins to main channel (Baird Brook) |
| WC73 | | Small Permanent | Y | Y | N | 50 | 200 | 20 | 200 | Fines/Muck | Y | | Y | Y | | herbaceous, graminoid, shrubs | Low water level |
| WC74 | Beaver Book | Small Permanent | Y | Y | NE | 40 | 250 | 20 | 200 | Fines/Muck | Y | | | Y | very overgrown banks | shrub, graminoid, herbaceous | |
| WC75 | Baird Brook | Small Permanent | Y | Y | S | 45 | 150 | 0 | 100 | Fines/Muck | Y | | | Y | | herbaceous, graminoid, shrub | |
| WC76 | | Small Permanent | N | Y | S | 50 | 100 | 20 | 75 | Fines/Muck | Y | | | | Muddy Bank | shrub, herbaceous | |
| WC77 | | Small Permanent | Y | Y | NE | 200 | 100 | 30 | 50 | Fines/Muck | Y | Y | | Y | | herbaceous, graminoid, shrub | |
| WC78 | | Small Permanent | Y | Y | SW | 100 | 150 | 30 | 75 | Fines/Muck | | | | Y | | herbaceous, graminoid, shrub | |
| WC79 | South Brook | Small Permanent | Y | Y | N | 75 | 150 | 20 | 100 | Fines/Muck | Y | Y | | Y | | herbaceous, graminoid, shrub | |

Table E3: Master Plant List

Project #20-7464

| Common Name | Scientific Name | SARA Status | COSEWIC Status | NSESA Status | NS S-Rank |
|----------------------------|----------------------------------|-------------|----------------|--------------|-----------|
| Alternate-leaved dogwood | <i>Cornus alternifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| American burreed | <i>Sparganium americanum</i> | Not Listed | Not Listed | Not Listed | S5 |
| American mountain ash | <i>Sorbus americana</i> | Not Listed | Not Listed | Not Listed | S5 |
| American water horehound | <i>Lycopus americanus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Arrow-leaved smartweed | <i>Persicaria sagittata</i> | Not Listed | Not Listed | Not Listed | SNR |
| Arrow-leaved tearthumb | <i>Polygonum sagittatum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Black spruce | <i>Picea mariana</i> | Not Listed | Not Listed | Not Listed | S5 |
| Bluejoint reed grass | <i>Calamagrostis canadensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Bog aster | <i>Oclemena nemoralis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Bracken fern | <i>Pteridium aquilinum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Bristly dewberry | <i>Rubus hispidus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Broad-fruited burreed | <i>Sparganium eurycarpum</i> | Not Listed | Not Listed | Not Listed | S4 |
| Broad-leaved cattail | <i>Typha latifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Broom sedge | <i>Carex scoparia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Bunchberry | <i>Cornus canadensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Canada goldenrod | <i>Solidago canadensis</i> | Not Listed | Not Listed | Not Listed | S4S5 |
| Canada manna grass | <i>Glyceria canadensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Canada rush | <i>Juncus canadensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Canada serviceberry | <i>Amelanchier canadensis</i> | Not Listed | Not Listed | Not Listed | S4S5 |
| Canada violet | <i>Viola canadensis</i> | Not Listed | Not Listed | Not Listed | SH |
| Chokecherry | <i>Prunus virginiana</i> | Not Listed | Not Listed | Not Listed | S5 |
| Cinnamon fern | <i>Osmunda cinnamomea</i> | Not Listed | Not Listed | Not Listed | S5 |
| Common boneset | <i>Eupatorium perfoliatum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Common Labrador tea | <i>Ledum groenlandicum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Common lady fern | <i>Athyrium filix-femina</i> | Not Listed | Not Listed | Not Listed | S5 |
| Common marsh bedstraw | <i>Galium palustre</i> | Not Listed | Not Listed | Not Listed | S5 |
| Common tall manna grass | <i>Glyceria grandis</i> | Not Listed | Not Listed | Not Listed | S4S5 |
| Common woolly bulrush | <i>Scirpus cyperinus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Creeping snowberry | <i>Gaultheria hispidula</i> | Not Listed | Not Listed | Not Listed | S5 |
| Cyperuslike sedge | <i>Carex pseudocyperus</i> | Not Listed | Not Listed | Not Listed | S4S5 |
| Eastern hay-scented fern | <i>Dennstaedtia punctilobula</i> | Not Listed | Not Listed | Not Listed | S5 |
| Eastern teaberry | <i>Gaultheria procumbens</i> | Not Listed | Not Listed | Not Listed | S5 |
| Eastern white pine | <i>Pinus strobus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Fowl blue grass | <i>Poa palustris</i> | Not Listed | Not Listed | Not Listed | S5 |
| Fowl manna grass | <i>Glyceria striata</i> | Not Listed | Not Listed | Not Listed | S5 |
| Fringed sedge | <i>Carex crinita</i> | Not Listed | Not Listed | Not Listed | S5 |
| Glossy buckthorn | <i>Frangula alnus</i> | Not Listed | Not Listed | Not Listed | SNA |
| Goldthread | <i>Coptis trifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Graceful sedge | <i>Carex gracillima</i> | Not Listed | Not Listed | Not Listed | S4S5 |
| Gray birch | <i>Betula populifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Hairy flat-top white aster | <i>Doellingeria umbellata</i> | Not Listed | Not Listed | Not Listed | S5 |
| Interrupted fern | <i>Osmunda claytoniana</i> | Not Listed | Not Listed | Not Listed | S5 |
| Lance-leaved aster | <i>Symphotrichum lanceolatum</i> | Not Listed | Not Listed | Not Listed | S4S5 |

Table E3: Master Plant List

Project #20-7464

| Common Name | Scientific Name | SARA Status | COSEWIC Status | NSESA Status | NS S-Rank |
|-----------------------------|-----------------------------------|-------------|----------------|--------------|-----------|
| Large cranberry | <i>Vaccinium macrocarpon</i> | Not Listed | Not Listed | Not Listed | S5 |
| Large purple fringed orchid | <i>Platanthera grandiflora</i> | Not Listed | Not Listed | Not Listed | S3 |
| Late lowbush blueberry | <i>Vaccinium angustifolium</i> | Not Listed | Not Listed | Not Listed | S5 |
| Leatherleaf | <i>Chamaedaphne calyculata</i> | Not Listed | Not Listed | Not Listed | S5 |
| Marsh st. john's wort | <i>Triadenum virginicum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Mountain holly | <i>Nemopanthus mucronatus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Mountain maple | <i>Acer spicatum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Narrow-leaved cottongrass | <i>Eriophorum angustifolium</i> | Not Listed | Not Listed | Not Listed | S5 |
| Narrow-leaved spring beauty | <i>Claytonia virginica</i> | Not Listed | Not Listed | Not Listed | SNA |
| Necklace sedge | <i>Carex projecta</i> | Not Listed | Not Listed | Not Listed | S5 |
| New York fern | <i>Thelypteris noveboracensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Nodding sedge | <i>Carex gynandra</i> | Not Listed | Not Listed | Not Listed | S5 |
| Nodding trillium | <i>Trillium cernuum</i> | Not Listed | Not Listed | Not Listed | S4 |
| Northern starflower | <i>Trientalis borealis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Northern wild raisin | <i>Viburnum nudum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Nova scotia agalinis | <i>Agalinis neoscotica</i> | Not Listed | Not Listed | Not Listed | S3S4 |
| Pale bog laurel | <i>Kalmia polifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Paper birch | <i>Betula papyrifera</i> | Not Listed | Not Listed | Not Listed | S5 |
| Pearly everlasting | <i>Anaphalis margaritacea</i> | Not Listed | Not Listed | Not Listed | S5 |
| Pink lady's-slipper | <i>Cypripedium acaule</i> | Not Listed | Not Listed | Not Listed | S5 |
| Pussy willow | <i>Salix discolor</i> | Not Listed | Not Listed | Not Listed | S5 |
| Red maple | <i>Acer rubrum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Red raspberry | <i>Rubus idaeus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Red spruce | <i>Picea rubens</i> | Not Listed | Not Listed | Not Listed | S5 |
| Reed canary grass | <i>Phalaris arundinacea</i> | Not Listed | Not Listed | Not Listed | S5 |
| Rhodora | <i>Rhododendron canadense</i> | Not Listed | Not Listed | Not Listed | S5 |
| Rice cut grass | <i>Leersia oryzoides</i> | Not Listed | Not Listed | Not Listed | S5 |
| Rough-stemmed goldenrod | <i>Solidago rugosa</i> | Not Listed | Not Listed | Not Listed | S5 |
| Round-leaved sundew | <i>Drosera rotundifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Royal fern | <i>Osmunda regalis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Sallow sedge | <i>Carex lurida</i> | Not Listed | Not Listed | Not Listed | S5 |
| Sensitive fern | <i>Onoclea sensibilis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Sheep laurel | <i>Kalmia angustifolia</i> | Not Listed | Not Listed | Not Listed | S5 |
| Slender rush | <i>Juncus tenuis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Slender cottongrass | <i>Eriophorum gracile</i> | Not Listed | Not Listed | Not Listed | S2S3 |
| Slender sedge | <i>Carex lasiocarpa</i> | Not Listed | Not Listed | Not Listed | S5 |
| Small cranberry | <i>Vaccinium oxycoccos</i> | Not Listed | Not Listed | Not Listed | S5 |
| Soft rush | <i>Juncus effusus</i> | Not Listed | Not Listed | Not Listed | S5 |
| Speckled alder | <i>Alnus incana</i> | Not Listed | Not Listed | Not Listed | S5 |
| Spotted jewelweed | <i>Impatiens capensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Spotted joe-pye-weed | <i>Eupatorium maculatum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Star sedge | <i>Carex echinata</i> | Not Listed | Not Listed | Not Listed | S5 |
| Steeplebush | <i>Spiraea tomentosa</i> | Not Listed | Not Listed | Not Listed | S5 |

Table E3: Master Plant List

Project #20-7464

| Common Name | Scientific Name | SARA Status | COSEWIC Status | NSESA Status | NS S-Rank |
|-----------------------------------|-------------------------------|-------------|----------------|--------------|-----------|
| Sugar maple | <i>Acer saccharum</i> | Not Listed | Not Listed | Not Listed | S4S5 |
| Swamp beggarticks | <i>Bidens discolor</i> | Not Listed | Not Listed | Not Listed | SH |
| Swamp red currant | <i>Ribes triste</i> | Not Listed | Not Listed | Not Listed | S4 |
| Tamarack | <i>Larix laricina</i> | Not Listed | Not Listed | Not Listed | S5 |
| Tawny cottongrass | <i>Eriophorum virginicum</i> | Not Listed | Not Listed | Not Listed | S5 |
| Three-leaved false soloman's seal | <i>Maianthemum trifolium</i> | Not Listed | Not Listed | Not Listed | S5 |
| Three-seeded sedge | <i>Carex trisperma</i> | Not Listed | Not Listed | Not Listed | S5 |
| Trembling aspen | <i>Populus tremuloides</i> | Not Listed | Not Listed | Not Listed | S5 |
| Tussock sedge | <i>Carex stricta</i> | Not Listed | Not Listed | Not Listed | S5 |
| Twinflower | <i>Linnaea borealis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Velvet-leaved blueberry | <i>Vaccinium myrtilloides</i> | Not Listed | Not Listed | Not Listed | S5 |
| Water horsetail | <i>Equisetum fluviatile</i> | Not Listed | Not Listed | Not Listed | S5 |
| White meadowsweet | <i>Spiraea alba</i> | Not Listed | Not Listed | Not Listed | S5 |
| White spruce | <i>Picea glauca</i> | Not Listed | Not Listed | Not Listed | S5 |
| Whorled wood aster | <i>Oclemena acuminata</i> | Not Listed | Not Listed | Not Listed | S5 |
| Wild lily-of-the-valley | <i>Maianthemum canadense</i> | Not Listed | Not Listed | Not Listed | S5 |
| Wild oats | <i>Avena fatua</i> | Not Listed | Not Listed | Not Listed | SNA |
| Wild sarsaparilla | <i>Aralia nudicaulis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Wild strawberry | <i>Fragaria virginiana</i> | Not Listed | Not Listed | Not Listed | S5 |
| Woodland horsetail | <i>Equisetum sylvaticum</i> | Not Listed | Not Listed | Not Listed | S6 |
| Yellow birch | <i>Betula alleghaniensis</i> | Not Listed | Not Listed | Not Listed | S5 |
| Yellow ladies' tresses | <i>Spiranthes ochroleuca</i> | Not Listed | Not Listed | Not Listed | S3 |
| Yellow sedge | <i>Carex flava</i> | Not Listed | Not Listed | Not Listed | S5 |

APPENDIX F
ELECTRONIC DATA GLOSSARY

**20-7464 NSP Transmission Line
Wetland and Watercourse Delineation
Geodatabase File Descriptions**

Spatial Data File Descriptions

All shapefiles can be found in the NSP Wetland and Watercourse Results geodatabase (20-7464_NSP_TransmissionLine.gdb). A description of the shapefiles, and field names are presented below.

SHAPEFILES:

| | | |
|---------------------|----------------------------------|--|
| Dataset | Wetland_Field | |
| Feature Type | Polygon | |
| Location | 20-7464_NSP_TransmissionLine.gdb | |
| Attributes | Attribute Field Name | Description |
| | FID | Unique ID |
| | COUNT | Sort Wetland, West to East |
| | WL_ID | Wetland ID |
| | ROW_L8005 | Wetland existing in proposed Transmission line L8005 ROW. Y – Yes N – No |
| | ROW_L8001 | Wetland existing in Transmission line L8001 ROW. Y – Yes N – No |
| | Partial_Full | Full or partial wetland delineation. Whether the wetland delineation is the whole wetland or partial wetland: Full Partial |
| | Area | Area of Wetland (m ²) |
| | Type | Wetland Type: Treed Swamp Shrub Swamp Bog Fen Bog |
| | Landform | Basin Flat Slope Floodplain Fringe |
| | Soil | Soil descriptions based on hydric soil indicators |
| | Substrate | Substrate Depth - Maximum recorded substrate depth in centimetres. 140 – Maximum depth available in the field 9999 – No Substrate depth recorded |
| | Surf_Hydro | Surficial Hydrology: Surface Water High Water Table |

| | | |
|---------------------|----------------------------------|---|
| Dataset | Wetland_Field | |
| Feature Type | Polygon | |
| Location | 20-7464_NSP_TransmissionLine.gdb | |
| | | Saturation Water Marks Sediment Deposits Water Stained Leaves Drainage Patterns Surface Soil Cracks Hydrogen Sulfide Odor |
| | Herbs | List of identified herbaceous Species in wetland |
| | Shrubs | List of identified shrub Species in wetland |
| | Trees | List of identified treed Species in wetland |
| | Photo | Photo of the wetland: Y – Yes N – No |
| | Notes | Field Notes describing the wetland |

| | | |
|---------------------|----------------------------------|---|
| Dataset | Watercourse_Field | |
| Feature Type | Polyline | |
| Location | 20-7464_NSP_TransmissionLine.gdb | |
| | Attribute Field Name | Description |
| | FID | Unique ID |
| | COUNT | Sort Watercourse, West to East |
| | WC_ID | Watercourse ID |
| | T_Name | Topographic Name |
| | Class | Watercourse Classification: Large Permanent Small Permanent Intermittent Ephemeral |
| | ROW_L8005 | Watercourse existing in proposed Transmission line L8005 ROW. Y – Yes N – No |
| | ROW_L8001 | Watercourse existing in Transmission line L8001 ROW. Y – Yes N – No |
| | Direction | Direction of watercourse. If no direction was recorded or observed, elevations were used to apply the direction of watercourse |
| | Channel_W | Maximum channel width measured in centimetres |
| | Channel_D | Maximum channel depth measured in centimetres |
| | Water_W | Maximum water width measured in centimetres |
| | Water_D | Maximum water depth measured in centimetres |
| | S_Type | Substrate Type: Bedrock Boulder (>25cm) Rubble (14 – 25 cm) Cobble (3 – 13 cm) Gravel (2 mm – 3 cm) Sand (0.06 – 2 mm) Fines/Muck (<0.06 mm) |
| | SmWood_D | Small Woody Debris Overhang Present: Y – Yes N – No Blank – Unidentified |
| | LrgWood_D | Large Woody Debris Overhang Present: Y – Yes |

| | | |
|---------------------|----------------------------------|---|
| Dataset | Watercourse_Field | |
| Feature Type | Polyline | |
| Location | 20-7464_NSP_TransmissionLine.gdb | |
| | | N – No Blank – Unidentified |
| | UC_Bank | Undercut Banks Present: Y – Yes N – No Blank – Unidentified |
| | Instream_V | Instream Vegetation Present: Y – Yes N – No Blank – Unidentified |
| | Bank_Notes | Description of watercourse banks |
| | Riparian_H | Dominant Riparian Habitat: Herbaceous Graminoids Shrub Softwood Hardwood |
| | Photo | Photos associated with the watercourse. See photo directory with corresponding WC_ID: Photo Captured: Y – Yes N – No |
| | Notes | Field Notes describing the watercourse |

| | | |
|---------------------|----------------------------------|---|
| Dataset | Rare_Species | |
| Feature Type | Point | |
| Location | 20-7464_NSP_TransmissionLine.gdb | |
| | Attribute Field Name | Description |
| | FID | Unique ID |
| | Name | Rare Species name identified in the field |

| | | |
|---------------------|----------------------------------|--|
| Dataset | MaxSubstrate_Depth_Locations | |
| Feature Type | Point | |
| Location | 20-7464_NSP_TransmissionLine.gdb | |
| | Attribute Field Name | Description |
| | FID | Unique ID |
| | WL_ID | Wetland ID associated with the maximum substrate depth recorded in the field |
| | Substrate | Maximum substrate depth recorded location |