



Black spruce / False holly / Ladies' tresses sphagnum

Picea mariana / Nemopanthus mucronata / Sphagnum capillifolium

n = 39

Black Lake. Cumberland County

Concept: This edaphic Vegetation Type (VT) has abundant black spruce and a well-developed woody shrub layer. Trees often have a hybridized appearance with traits of both black and red spruce expressed. Black spruce / False holly / Ladies' tresses occupies moister site conditions between drier upland spruce-pine types (SP1, SP2, SP3, SP4, SP5) and wet black spruce types (WC1, WC2, WC3, WC4).

Vegetation: Black spruce is the dominant overstory tree along with tamarack, red maple and balsam fir. Hybrid (red/ black) spruce occurs on sites with slightly higher fertility. The shrub layer is occupied by ericaceous species such as lambkill, velvet-leaf blueberry and lowbush blueberry, along with false holly and wild raisin. A variety of herb species are possible, but the dominant plants are bunchberry, bracken and goldthread. Scattered sedges, creeping snowberry and cinnamon fern indicate the presence of increased moisture; while bracken, lady slipper and mayflower indicate low nutrient status. Bryophyte cover is dominated by Schreber's moss, wavy dicranum and stair-step moss. Pockets of sphagnum moss indicate elevated moisture levels.

Environmental Setting: SP7 is found throughout Nova Scotia on a variety of moist, nutrient poor soil types. Thick, ericaceous duff layers are common, limiting tree regeneration by seed unless disturbance creates more exposed micro-sites. Without disturbance, black spruce regeneration is usually by vegetative layering. Sites supporting this VT tend to have minimal mounding due to the shallow rooted nature of the overstory spruce. This VT is widespread and common across the Maritime Provinces.

Successional Dynamics: Moist, nutrient poor soils associated with this VT lead to an edaphic climax community dominated by black spruce. This generally even-aged VT follows stand-replacing disturbances such as fire, windthrow and harvesting. Due to its unique ecological setting, this VT does not shift to other vegetation types after disturbance, but does change in development stage. Under less frequent disturbance events, natural senescence can create some unevenness in both age class and stand structure.

Ecological Features

This forest occurs as large-patch and sometimes matrix in many parts of the province. It can exhibit closed or open canopies, depending on past disturbances and the degree of surface stoniness, which is often excessive in this ecosystem. Black spruce has intermediate shade tolerance and does not seed well under

closed canopies. Vegetative regeneration by layering is common especially where there is a thick duff layer. Spruce grouse eat conifer needles in winter and may be found in this habitat. This forest may provide habitat for wetland associated species such as olive-sided flycatchers, mourning warblers, star-nosed moles and four-toed salamanders. Dwarf mistletoe sometimes creates dense witches brooms that may provide nest and rest areas for small mammals. Mature forests develop abundant old man's beard, lichen that provides important nest and forage material for some species.

| Plants Freq. (%) Cover (%) | Characteristic Plants | SP7 | |
|---|---------------------------------------|-----|------|
| Balsam fir 56 10.9 Red maple 41 2.3 Tamarack 36 6.6 White pine 23 1.2 White spruce 10 7.0 Tree Layer (Mean % Cover) 66 Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 0.2 Mayflower 36 0.3 | | | |
| Red maple 41 2.3 Tamarack 36 6.6 White pine 23 1.2 White spruce 10 7.0 Tree Layer (Mean % Cover) 66 Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 26 0.1 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teab | Black spruce | 95 | 51.6 |
| Tamarack 36 6.6 White pine 23 1.2 White spruce 10 7.0 Tree Layer (Mean % Cover) 66 Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 26 0.1 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 | Balsam fir | 56 | |
| White pine 23 1.2 White spruce 10 7.0 Tree Layer (Mean % Cover) 66 Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 | | | |
| White spruce 10 7.0 Tree Layer (Mean % Cover) 66 Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 <th< td=""><td></td><td></td><td></td></th<> | | | |
| Tree Layer (Mean % Cover) 66 Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 <t< td=""><td> '</td><td></td><td></td></t<> | ' | | |
| Lambkill 90 7.5 Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 | • | 10 | |
| Balsam fir 90 5.2 Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 | | | |
| Black spruce 77 9.0 False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 0.2 Mayflower 36 0.3 Twinklady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 | | | |
| False holly 77 1.6 Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 | | | |
| Velvet-leaf blueberry 74 4.3 Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss </td <td>' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '</td> <td></td> <td></td> | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | | |
| Wild raisin 74 0.7 Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 | 1 | | |
| Red maple 74 0.5 Lowbush blueberry 41 0.9 Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 <tr< td=""><td>,</td><td></td><td></td></tr<> | , | | |
| Lowbush blueberry Serviceberry 26 0.1 Shrub Layer (Mean % Cover) Bunchberry Bracken Goldthread Goldthread Wild lily-of-the-valley Cinnamon fern Creeping snowberry 44 2.4 Starflower Mayflower Mayflower Twinflower Pink lady's slipper Teaberry Bluebead lily Three seeded sedge Herb Layer (Mean % Cover) Schreber's moss Wavy dicranum 92 Stair-step moss Total cover Bazzania Bazzania Geg enemeshagnum Plume moss Common green sphagnum Plume moss 100 100 100 100 100 100 100 | | | |
| Serviceberry 26 0.1 Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen | | | |
| Shrub Layer (Mean % Cover) 25 Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 4 | , | | |
| Bunchberry 90 8.7 Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss | , | 20 | *** |
| Bracken 69 11.4 Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum | | 00 | |
| Goldthread 67 1.2 Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume mo | - | | |
| Wild lily-of-the-valley 64 0.5 Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Cinnamon fern 49 1.5 Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | • | |
| Creeping snowberry 44 2.4 Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | , | • • | |
| Starflower 44 0.2 Mayflower 36 0.3 Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | 44 | 2.4 |
| Twinflower 33 2.2 Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | . 3 | 44 | 0.2 |
| Pink lady's slipper 26 0.1 Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | Mayflower | 36 | 0.3 |
| Teaberry 23 0.2 Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | Twinflower | 33 | 2.2 |
| Bluebead lily 21 0.8 Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | Pink lady's slipper | 26 | 0.1 |
| Three seeded sedge 21 0.7 Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | Teaberry | 23 | 0.2 |
| Herb Layer (Mean % Cover) 21 Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | , | 21 | |
| Schreber's moss 100 63.6 Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | 21 | |
| Wavy dicranum 92 4.2 Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | Herb Layer (Mean % Cover) | | 21 |
| Stair-step moss 79 17.2 Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Ladies' tresses 79 4.3 Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Bazzania 62 6.6 Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | • | | |
| Broom moss 51 4.1 Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Grey reindeer lichen 49 2.4 Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Cup lichens 41 0.4 Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Hair-cap moss 36 0.3 Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | | | |
| Common green sphagnum 33 0.1 Plume moss 28 1.0 Hypnum moss 26 6.8 | · | | |
| Plume moss 28 1.0 Hypnum moss 26 6.8 | · | | |
| Hypnum moss 26 6.8 | | | |
| , | | | |
| Bryo-Lichen Laver (Iviean % Lover) | Bryo-Lichen Layer (Mean % Cover) 95 | | |

Distinguishing Features

This softwood forest of black spruce occurs on imperfectly drained soils. Species indicative of moist soils should be present, especially sphagnum in the depressions, cinnamon fern and/or creeping snowberry. False holly and sedges are common.



Imperfectly drained soil

Site Characteristics

Slope Position: Level⁶ Middle² Lower¹ Upper¹

(Non - Slightly)8 (Very - Excessively)1 **Surface Stoniness:**

(Moderately)1

Bedrock Outcrop: (Non-rocky)9 (Slightly - Moderately)1

12 - 407m Elevation Range: Slope Gradient: Level7 Gentle3

North¹ East² South¹ None⁶ Aspect:

Exposure: Moderate⁸ Mod. exposed¹ Exposed¹ Microtopography: Slightly⁴ Level³ Moderately² Strongly¹

Imperfect9 Poor1 Drainage:

Soil Characteristics

Soil Type: ST65 ST33 ST161 Other1

Parent Material: Glacial till8 Till/Bedrock1 Glaciofluvial1

Rooting Depth (cm): $(<30)^8(30-45)^1(>45)^1$ Duff Thickness (cm): $(6-10)^3 (11-20)^5 (21+)^1 nd^1$

