



Balsam fir - Red maple / Wood sorrel - Goldthread

Abies balsamea – Acer rubrum / Oxalis acetosella - Coptis trifolia

n=12

Moose River. Pictou County

Concept: This early to mid-successional mixedwood Vegetation Type (VT) has an overstory co-dominated by balsam fir and red maple, with a variety of other associates. MW4 is a broadly defined VT that follows stand-replacing disturbance events such as windthrow or harvesting. Residual trees (survivors of past disturbance events) should not be used for classifying this VT from others. Due to the short-lived nature of balsam fir, this VT often has significant levels of coarse wood debris and/ or numerous snags. Balsam fir – Red maple / Wood sorrel – Goldthread is a commonly found VT in eastern Nova Scotia.

Vegetation: Balsam fir and red maple are the dominant overstory trees, with lesser red spruce, yellow birch, white birch, white spruce and/or aspen. Minor levels of black spruce can also be found on some sites. The shrub layer is moderately developed and includes mainly regenerating trees (especially balsam fir and red maple). The herb layer is represented by common forest flora (e.g. wild lily-of-the-valley, starflower, bluebead lily, goldthread and wood sorrel). Bracken, hay-scented fern and cinnamon fern can also be found – their presence and relative abundance reflecting available moisture. Bryophyte development varies, with coverage directly related to relative softwood abundance in the overstory. Schreber's moss, stair-step moss and broom

moss are the main species. Bazzania can also be common where coarse woody debris has accumulated on the forest floor.

Environmental Setting: MW4 is mainly associated with fresh to moist, nutrient medium soils of variable texture. This VT is common throughout eastern Nova Scotia and is scattered elsewhere. It is common throughout the Maritime provinces, but less frequent across higher elevation of northern New Brunswick.

Successional Dynamics: MW4 is an early to midsuccessional VT dominated by balsam fir and red maple. It is an even-aged forest that usually follows stand-level disturbances such as windthrow and harvesting. MW4 can sometimes renew itself through natural stand deterioration (facilitated by minor insect predation, disease and natural senescence) followed by development of advanced regeneration. Over time, and with possible increases in red spruce presence, MW4 could succeed to other VTs including: SH5 (Red spruce – Balsam fir / Schreber's moss), SH6 (Red spruce – Balsam fir / Stair-step moss - Sphagnum), SH3 (Red spruce - Hemlock / Wild lily-of-thevalley) or MW1 (Red spruce - Yellow birch / Evergreen wood fern). Residuals in the overstory can provide evidence of predisturbance conditions and should be considered when assessing possible successional trends.

Ecological Features

This closed canopy forest typically occurs as large patches following stand-level disturbances such as fire or harvesting. Regeneration is by seed and coppice. This ecosystem provides several ecological functions including the facilitation of nutrient cycling, rapid site revegetation after disturbance, and the establishment

of nurse crops for later successional species such as red spruce, hemlock and yellow birch. Residual trees from early successional stages are common and may provide notable wildlife habitat values and increased forest structural complexity. Mixedwood forests can also provide both shelter and food for

overwintering deer. Sapling stage forests are an ideal habitat for snowshoe hare. and are a favoured browsing habitat for moose and deer. Red maple provides one of the most important early and abundant sources of pollen and nectar for a wide range of insects.

Red maple	Characteristic Plants	MW4	
Red maple 100 29.8 Balsam fir 92 36.0 Red spruce 42 12.4 Yellow birch 42 8.2 White spruce 33 8.0 Trembling aspen 25 5.7 White birch 25 4.0 Black spruce 17 10.0 Tree Layer (Mean % Cover) 82 Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 50 0.1 Red maple 92 1.8 Velvet-leaf blueberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Red spruce 42 5.4 False holly 42 0.7 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Stripace maple 33 0			
Balsam fir 92 36.0 Red spruce 42 12.4 Yellow birch 42 8.2 White spruce 33 8.0 Trembling aspen 25 5.7 White birch 25 4.0 Black spruce 17 10.0 Tree Layer (Mean % Cover) 82 Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.2 Lowbush blueberry 25	Red maple		
Yellow birch 42 8.2 White spruce 33 8.0 Irembling aspen 25 5.7 White birch 25 4.0 Black spruce 17 10.0 Tree Layer (Mean % Cover) Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.5 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.2 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 <td< td=""><td></td><td>92</td><td>36.0</td></td<>		92	36.0
White spruce 33 8.0 Trembling aspen 25 5.7 White birch 25 4.0 Black spruce 17 10.0 Tree Layer (Mean % Cover) 82 Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.2 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83	Red spruce	42	12.4
Trembling aspen	Yellow birch	42	8.2
White birch 25 4.0 Black spruce 17 10.0 Tree Layer (Mean % Cover) 82 Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.2 Lowbush blueberry 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75	White spruce	33	8.0
Black spruce	Trembling aspen	25	5.7
Tree Layer (Mean % Cover) 82 Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 12.6 Cinnamon fern 67	White birch	25	4.0
Balsam fir 100 3.9 Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 1.3 Buchbead lily 67 1.7 New York fern 58	Black spruce	17	10.0
Red maple 92 1.8 Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 12.6 Cinnamon fern 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1	Tree Layer (Mean % Cover)		82
Velvet-leaf blueberry 58 0.2 Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 12.6 Cinnamon fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58<		100	
Serviceberry 50 0.1 Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 12.6 Cinnamon fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 <			
Red spruce 42 5.4 False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 1.3 Sursaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 0.3			
False holly 42 0.7 Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 12.6 Cinnamon fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.1			
Lambkill 42 0.4 Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 <t< td=""><td></td><td></td><td></td></t<>			
Yellow birch 33 1.3 Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.2 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 0.2			
Striped maple 33 0.5 Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2			
Wild raisin 33 0.1 Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 0.2 Bristly club-moss 25 0.2			
Trembling aspen 25 0.3 Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry	l ' '		
Red oak 25 0.2 Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2			
Fly-honeysuckle 25 0.1 Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets			
Lowbush blueberry 25 0.1 Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster			
Shrub Layer (Mean % Cover) 13 Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 1.5 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 1.6 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.2 Herb Layer (Mean % Cover) </td <td></td> <td></td> <td></td>			
Wild lily-of-the-valley 100 2.6 Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.2 Herb Layer (Mean % Cover) 31 Broom moss 83 14.7 Stair-step moss 83 13.8 <td></td> <td>23</td> <td></td>		23	
Starflower 92 1.3 Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 83 14.7 Stair-step moss 83		100	2.6
Goldthread 83 2.7 Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 83 14.7 Stair-step moss 83 14.7 Stair-step moss 83			
Bunchberry 75 5.0 Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 83 14.7 Stair-step moss 83 14.7 Stair-step moss 83 14.7 Stair-step moss			
Wood-sorrel 67 12.6 Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum			
Cinnamon fern 67 3.2 Sarsaparilla 67 1.5 Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2 <	,		
Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss			
Evergreen wood fern 67 1.3 Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss	Sarsaparilla	67	1.5
Bluebead lily 67 0.7 New York fern 58 5.1 Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2	Evergreen wood fern	67	1.3
Wood aster 58 0.8 Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2		67	0.7
Bracken 50 2.6 Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2	New York fern	58	5.1
Interrupted fern 42 1.6 Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2	Wood aster	58	0.8
Ground pine 42 0.3 Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2	Bracken	50	2.6
Hay-scented fern 33 0.2 Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2	Interrupted fern	42	1.6
Indian pipe 33 0.1 Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Twinflower 25 2.4 Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Bristly club-moss 25 0.2 Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Partridge-berry 25 0.2 Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Violets 25 0.2 White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
White panicle aster 25 0.1 Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2	,		
Herb Layer (Mean % Cover) 31 Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Broom moss 100 1.3 Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2		25	
Schreber's moss 83 14.7 Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2		100	
Stair-step moss 83 13.8 Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Bazzania 83 6.9 Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Common green sphagnum 58 2.7 Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Hypnum moss 58 0.9 Hair-cap moss 50 2.2			
Hair-cap moss 50 2.2			
Wayy dicranum 42 3.3	Wavy dicranum	42	3.3
Grey reindeer lichen 25 0.1			
Bryo-Lichen Layer (Mean % Cover) 36			

Distinguishing Features

This mixedwood forest of balsam fir and red maple establishes after a stand-level disturbance. The herbaceous layer is generally comprised of common woodland plants such as wild lilyof-the-valley, starflower, bluebead lily, goldthread and wood sorrel.



Bluebead lily

Site Characteristics

Slope Position: Level⁵ Lower² Upper² Toe¹ Surface Stoniness: (Non - Slightly)8 (Moderately)1

(Very - Excessively)1

Bedrock Outcrop: (Non-rocky)10 Elevation Range: 39 - 252m Slope Gradient: Level⁶ Gentle⁴

North³ East¹ South¹ West² None³ Aspect: Exposure: Moderate⁶ Mod. exposed²

Mod. sheltered²

Microtopography: Moderately⁶ Slightly⁴ Imperfect⁶ Moderately well⁴ Drainage:

Soil Characteristics

Soil Type: ST65 ST21 ST31 ST51 ST91 ST121

Parent Material: Glacial till10 Rooting Depth (cm): $(<30)^3(30-45)^7$ Duff Thickness (cm): (6-10)6 (11-20)3 nd1

