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Site 6065 (Boreal Stand 65): Little Brule River, Douglas County, Township 47N, Range 10W, Section 26. 1956-05-26

[s.l.]: [s.n.], 1956-05-26

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STAND RECORD

FORESTS

Stand No. 65

Name: Little Bule River

County: Douglas

Date: May 26, 1956

Size of Stand 20 acres

Forest Type: spruce-fir - birch - poplar

Topography: gently rolling

Locality: T: 47N

R: 16W

Sec: 26

25 yd intervals

Observers: ^{7/11}

Size of Area Sampled:

Soil Type:

Slope: 20° slope - W

Directions

in direction Little Bule R

Condition of Stand:

Data taken July 3, 1956

Stand situated on W. facing slope.

Stand extensive, not homogeneous - sample of 30 pts confined to homogeneous fairly dense portion

Dry - Mesic Site on sandy soil or perhaps ^{not} Dry % Canopy:

Open Crown Trees:

Stumps:

- | | | | |
|----|----|----|-----|
| 1. | 4. | 7. | 10. |
| 2. | 5. | 8. | 11. |
| 3. | 6. | 9. | 12. |

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

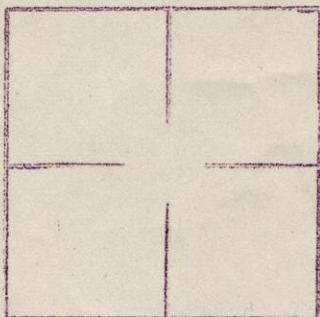
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1" needles	1/2" needles	1" needle + leaves
A ₁	1 1/2 - 2" black	1 - 1 1/2" black	1/2" black
A ₂	2" ashy grey	1 1/2" ashy grey	3 leafed ashy grey
B	red brown sand	reddish brown sand	reddish brown sand

Parent Material:

Map:



Dry Mesic

TREE DATA SUMMARY SHEET

Spruce-fir, spruce-fir - mixed hardwoods.
~~Northern Pine-Hardwoods~~

Station Number: 65

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.
			-80	-320	321										
Abies bals	30	84				3161	117	97.5		100.0	49.2	70.0	52.8	172.0	7 1204
Acer rubru	3	3				121	1	0.8		10.0	4.9	2.5	2.0	9.4	6 56
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif	7	8				695	2	1.7		23.3	11.5	6.6	11.6	29.7	5 149
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	4	4				298				13.3	6.5	3.3	5.0	14.8	6 89
Pinus Bank	11	15				1198				36.6	18.1	12.6	20.0	50.7	1 51
P. resinosa															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo	3	3				411				10.0	4.9	2.5	6.9	14.3	2 29
Prunus pen															
Quercus el															
Q. rubra	3	3				104				10.0	4.9	2.5	1.7	9.1	6 55
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
TOTALS	61	120				5988	120	100.0		203.2	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

9.7

AVE B. A.:

49.9

TREES/ACRE:

463

DOM./ACRE:

23,104

1633

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 65(2)

STATION NO.	1	2	3	4	5	6	7	8	9	10			
Abies balsam	9 11/2	17 24	4 1/2 19	34 40	7 1/2 11	35 46	10 9 1/2	44 38	13 1/2 10	42 17	28 28	13 13	35 14
Acer rubrum	4 10 1/2	30 22		11 10 1/2	19 32		3 1/2 4	30 34	18 1/2 9 1/2			16 55	17 10 1/2
A. sacchar.													
A. spicatum													
Betula lut.													
B. papyrif				10 1/2 4	78 70						8	105	
Carpinus car													
Fagus gran													
Ostrya virg													
Picea glau		6	105										
Pinus Bank						10	113	9 1/2	30	12	105		
P. resinosa													
P. Strobus													
Populus bals													
P. grand													
P. trem		7	58						21	255			
Prunus pen.													
Quercus ell													
Q. rubra							9	19					
Tilia amer													
Tsuga can													
Thuja occ													
Ulmus amer													
U. fulva													
Canopy	15	60	20	30	65	55	80	45	75	10			
Litter	1 1/2	1/2	1/2	1	1	1/2	1 1/2	1 1/2	1 1/2	3/4			
Distance	35 1/2	36 1/2	40	34	31	35 1/2	29 1/2	56	32	50			

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 65 (3)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	11 20 17 15	6 1/2 14	8 41 12 28	7 25 16 21	6 19 12 30	8 19 18 30	3 20 2 25	18 41 14 58	13 41 12 35	16 32 15 30
Acer rubrum			4 30	15 14 16 34	14 25	6 20 10 55		13 44	8 22	7 40
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif					8 84		9 16			
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau								11 1/2 38		18 40
Pinus Bank	6 8	6 5 16 7	13 1 29 7						8 13	
P. resinosa		1 10 6 3								
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra							10 1/2 45			
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Canopy	15	20	35	70	60	55	55	5	15	15
Litter	1/2	1	1	1/2	1/2	3/4	3/4	1	1/2	1/2
Distance	42	39 1/2	25 1/2	44	20	40	24 1/2	56 1/2	41	56

Av. canopy - 46%

Av. litter - 0.8"

	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Geum aleppicum</i>																							
<i>Geum canadense</i>																							
<i>Geum rivale</i>																							
<i>Glyceria striata</i>																							
<i>Goodyera obtusifolia</i>																							
<i>Goodyera pubescens</i>																							
<i>Goodyera repens</i>																							
<i>Goodyera tessellata</i>																							
<i>Habenaria clavellata</i>																							
<i>Habenaria hyperborea</i>																							
<i>Habenaria obtusata</i>																							
<i>Habenaria orbiculata</i>																							
<i>Habenaria psycodes</i>																							
<i>Habenaria viridis</i>																							
<i>Hackelia virginiana</i>																							
<i>Halenia deflexa</i>																							
<i>Hamamelis virginiana</i>																							
<i>Helianthus strumosus</i>																							
<i>Hepatica acutiloba</i>																							
<i>Hepatica americanum</i>	✓																						1
<i>Heracleum maximum</i>																							
<i>Heuchera richardsonii</i>																							
<i>Hieracium aurantiacum</i>	✓									✓													1 7
<i>Hieracium canadense</i>																							
<i>Hieracium pratense</i>																							
<i>Hieracium scabrum</i>																							
<i>Ilex verticillata</i>																							
<i>Impatiens capensis</i>																							
<i>Iris lacustris</i>																							
<i>Isopyrum biternatum</i>																							
<i>Juniperus communis</i>																							
<i>Juniperus horizontalis</i>																							
<i>Lactuca canadensis</i>																							
<i>Laportea canadensis</i>																							
<i>Lathyrus ochroleucus</i>																							
<i>Ledum groenlandicum</i>																							
<i>Lichens spp.</i>	✓	✓			✓		✓	✓					✓	✓		✓							7 47
<i>Lilium michiganense</i>																							
<i>Linnaea borealis</i>	✓						✓					✓											2 13
<i>Listera auriculata</i>																							
<i>Listera borealis</i>																							
<i>Listera convallarioides</i>																							
<i>Listera cordata</i>																							
<i>Lobelia inflata</i>																							
<i>Lonicera canadensis</i>																							
<i>Lonicera dioica</i>																							
<i>Lonicera hirsuta</i>	✓																						1
<i>Lonicera involucrata</i>	✓																						
<i>Lonicera oblongifolia</i>	✓													✓									1 7
<i>Lonicera prolifera</i>																							
<i>Lonicera villosa</i>																							
<i>Luzula acuminata</i>	✓		✓				✓	✓		✓		✓					✓						6 40

	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Luzula multiflora</i>																							
<i>Lycopodium annotinum</i>																							
<i>Lycopodium clavatum</i>	✓																✓						1 7
<i>Lycopodium complanatum</i>																							
<i>Lycopodium inundatum</i>																							
<i>Lycopodium lucidulum</i>	✓																						1
<i>Lycopodium obscurum</i>	✓												✓	✓									2 13
<i>Lycopodium sabinæfolium</i>																							
<i>Lycopodium selago</i>																							
<i>Lycopodium tristachyum</i>																							
<i>Lycopus americanus</i>																							
<i>Lycopus uniflorus</i>																							
<i>Lysimachia ciliata</i>																							
<i>Lysimachia quadrifolia</i>	✓																						1
<i>Lysimachia terrestris</i>																							
<i>Maianthemum canadense</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						15 100
<i>Malaxis unifolia</i>																							
<i>Medeola virginiana</i>																							
<i>Melampyrum lineare</i>	✓																						1
<i>Menispermum canadense</i>																							
<i>Mertensia paniculata</i>																							
<i>Milium effusum</i>																							
<i>Mitchella repens</i>																							
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>																							
<i>Moneses uniflora</i>	✓									✓				✓									2 13
<i>Monotropa hypopithys</i>																							
<i>Monotropa uniflora</i>																							
Mosses spp.	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							14 93
<i>Nemophanthus mucronata</i>																							
<i>Onoclea sensibilis</i>																							
<i>Orchis spectabilis</i>																							
<i>Oryzopsis asperifolia</i>	✓		✓	✓				✓					✓	✓	✓								6 40
<i>Oryzopsis racemosa</i>																							
<i>Osmorhiza claytoni</i>																							
<i>Osmorhiza longistylis</i>																							
<i>Osmunda claytoniana</i>																							
<i>Osmunda cinnamomea</i>	✓																						1
<i>Osmunda regalis</i>																							
<i>Oxalis montana</i>																							
<i>Oxalis stricta</i>																							
<i>Panax quinquefolius</i>																							
<i>Panax trifolius</i>																							
<i>Parthenocissus inserta</i>																							
<i>Parthenocissus quinquefolia</i>																							
<i>Petasites palmatus</i>																							
<i>Phleum pratense</i>																							
<i>Phlox divaricata</i>																							
<i>Phryma leptostachya</i>																							
<i>Plantago major</i>																							
<i>Poa compressa</i>																							
<i>Poa pratensis</i>	✓										✓	✓					✓						3 20

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 65

TREES

Abies balsamea
 Acer pensylvanicum
 Acer rubrum
 Acer saccharum
 Acer spicatum
 Amelanchier spp.
 Betula lutea
 Betula papyrifera
 Carpinus caroliniana
 Crataegus spp.
 Fagus grandifolia
 Fraxinus americana

Fraxinus nigra
 Fraxinus pennsylvanicum
 Larix laricina
 Ostrya virginiana
 Picea glauca
 Picea mariana
 Pinus banksiana
 Pinus resinosa
 Pinus strobus
 Populus balsamifera
 Populus grandidentata
 Populus tremuloides

Prunus nigra
 Prunus pensylvanica
 Prunus serotina
 Prunus virginiana
 Pyrus americana
 Pyrus decora
 Quercus rubra var. *borealis*
 Thuja occidentalis
 Tilia americana
 Tsuga canadensis
 Ulmus americana
 Ulmus rubra

SHRUBS

Alnus crispa
 Alnus rugosa
 Arctostaphylos uva-ursi
 Celastrus scandens
 Chamaedaphne calyculata
 Comptonia peregrina
 Cornus alternifolia
 Cornus racemosa
 Cornus rugosa
 Cornus stolonifera
 Corylus americana
 Corylus cornuta
 Diervilla lonicera
 Dirca palustris
 Empetrum nigrum
 Gaylussaccia baccata
 Hamamelis virginiana
 Ilex verticillata
 Juniperus communis
 Juniperus horizontalis
 Ledum groenlandicum
 Lonicera canadensis
 Lonicera dioica

Lonicera hirsutum
 Lonicera involucrata
 Lonicera oblongifolia
 Lonicera villosa
 Parthenocissus quinquefolia
 Parthenocissus vitacea
 Prunus pumila
 Pyrus melanocarpa
 Rhamnus alnifolia
 Rhus glabra
 Rhus typhina
 Ribes americanum
 Ribes cynosbati
 Ribes glandulosum
 Ribes hirtellum
 Ribes lacustre
 Ribes oxycanthoides
 Ribes triste
 Rosa sp.
 Rubus allegheniensis
 Rubus (blackberry)
 Rubus (dewberry)
 Rubus (raspberry)

Rubus idaeus
 Rubus parviflorus
 Salix sp.
 Sambucus canadensis
 Sambucus pubens
 Shepherdia canadensis
 Smilax tamnoides var. *hispida*
 Spiraea alba
 Spiraea latifolia
 Symphoricarpos albus
 Symphoricarpos occidentalis
 Taxus canadensis
 Vaccinium angustifolium
 Vaccinium myrtilloides
 Vaccinium vitis-idaea
 Viburnum acerifolium
 Viburnum cassinoides
 Viburnum edule
 Viburnum lentago
 Viburnum rafinesquianum
 Viburnum trilobum
 Vitis vulpina
 Zanthoxylum americanum

HERBS

Achillea millefolium
 Actaea pachypoda
 Actaea rubra
 Adiantum pedatum
 Agrimonia gryposepala
 Agrostis perennans
 Allium tricoccum
 Amphicarpa bracteata
 Anaphalis margaritacea
 Anemone canadensis
 Anemone cylindrica
 Anemone quinquefolia
 Anemone virginiana
 Antennaria sp.
 Apocynum androsaemifolium
 Aquilegia canadensis
 Aralia nudicaulis
 Aralia racemosa
 Arisaema atrorubens
 Asarum canadense
 Asclepias exaltata
 Aster furcatus
 Aster macrophyllus
 Aster nova-angliae
 Aster paniculatus

Aster puniceus
 Aster sagittifolius
 Aster umbellatus
 Athyrium filix-femina
 Athyrium thlypteroides
 Botrychium lunaria
 Botrychium matricariaefolium
 Botrychium multifidum
 Botrychium virginianum
 Calypso bulbosa
 Campanula rotundifolia
 Carex arctata
 Carex intumescens
 Carex pensylvanica
 Carex woodii
 Carex spp.
 Chimaphila umbellata
 Chrysanthemum leucanthemum
 Chrysosplenium americanum
 Cinna latifolia
 Circaea alpina
 Claytonia caroliniana
 Claytonia virginiana
 Clematis virginiana
 Clematis verticillaris

Clintonia borealis
 Comandra richardsiana
 Comandra umbellata
 Coptis groenlandicum
 Corallorhiza maculata
 Corallorhiza striata
 Corallorhiza trifida
 Cornus canadensis
 Corydalis sempervirens
 Cynoglossum officinale
 Cypripedium acaule
 Cypripedium calceolus var. *pubescens*
 Cystopteris fragilis
 Dalibarda repens
 Desmodium glutinosum
 Dicentra canadensis
 Dicentra cucullaria
 Dryopteris cristata
 Dryopteris disjuncta
 Dryopteris goldiana
 Dryopteris marginalis
 Dryopteris phegopteris
 Dryopteris spinulosa

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

S-65

Epigaea repens
 Epilobium angustifolium
 Epilobium glandulosum
 Epilobium strictum
 Equisetum pratense
 ✓ Equisetum sylvaticum
 Erigeron annuus
 Erigeron philadelphicus
 Erigeron strigosus
 Erythronium albidum
 Erythronium americanum
 Fragaria vesca
 ✓ Fragaria virginiana
 Galium aparine
 Galium boreale
 Galium concinnum
 Galium lanceolatum
 ✓ Galium triflorum
 Gaultheria hispidula
 ✓ Gaultheria procumbens
 Gentiana andrewsii
 Gentiana crinata
 Gentiana quinquefolia
 Geocaulon lividum
 Geranium bicknellii
 Geranium maculatum
 Geum rivale
 Goodyera repens
 Goodyera tessellata
 Habenaria hyperborea
 Habenaria orbiculata
 Habenaria psycodes
 Habenaria viridis
 Halenia deflexa
 Helianthus strumosus
 Hepatica acutiloba
 ✓ Hepatica americanum
 ✓ Hieracium aurantiacum
 Hieracium canadense
 Hieracium scabrum
 Impatiens capensis
 Iris lacustris
 Isopyrum biternatum
 Lathyrus ochroleucus
 ✓ Linnaea borealis
 Lobelia inflata
 Lycopodium annotinum
 ✓ Lycopodium clavatum
 Lycopodium clavatum var. megastachyon
 Lycopodium complanatum
 Lycopodium inundatum

✓ Lycopodium lucidulum
 ✓ Lycopodium obscurum
 Lycopodium obscurum var. dendroideum
 Lycopodium selago
 Lycopodium tristachyum
 Lysimachia ciliata
 ✓ Lysimachia quadrifolia
 Lysimachia terrestris
 ✓ Maianthemum canadense
 Malaxis unifolia
 Medeola virginiana
 ✓ Melampyrum lineare
 Mitchella repens
 Mitella diphylla
 Mitella nuda
 ✓ Moneses uniflora
 Monotropa hypopithys
 Monotropa uniflorus
 Onoclea sensibilis
 Orchis spectabilis
 Osmorhiza claytoni
 Osmorhiza longistylis
 ✓ Osmunda cinnamomea
 Osmunda claytoniana
 Oxalis montana
 Oxalis stricta
 Panax quinquefolius
 Panax trifolius
 Petasites palmatus
 Phlox divaricata
 Poa compressa
 ✓ Poa pratensis
 ✓ Polygala paucifolia
 Polygonatum biflorum
 ✓ Polygonatum pubescens
 Polymnia canadensis
 Polypodium virginianum
 Potentilla norvegica
 Potentilla simplex
 Potentilla tridentata
 ✓ Prenanthes alba
 Primula mistassinaca
 Prunella vulgaris
 ✓ Pteridium aquilinum
 Pyrola asarifolia
 Pyrola elliptica
 Pyrola minor
 Pyrola rotundifolia
 Pyrola secunda
 Pyrola virens
 Ranunculus abortivus

Ranunculus acris
 Ranunculus pensylvanicus
 Ranunculus recurvatus
 Ranunculus repens
 Ranunculus septentrionalis
 Rhus radicans
 ✓ Rubus pubescens
 Sanguinaria canadensis
 ✓ Sanicula marilandica
 Satureja vulgaris
 Schizachne purpurascens
 Scutellaria epilobiifolia
 Scutellaria lateriflora
 ✓ Smilacina racemosa
 Smilacina stellata
 Smilacina trifolia
 Smilax herbacea
 Solidago canadensis
 Solidago flexicaulis
 Solidago graminifolia
 Solidago ulmifolia
 Stellaria calycantha
 Streptopus amplexifolius
 ✓ Streptopus roseus
 Taraxacum officinale
 ✓ Thalictrum dioicum
 Thalictrum polygamum
 Tiarella cordifolia
 ✓ Trientalis borealis
 Trillium cernuum
 Trillium erectum
 Trillium grandiflorum
 Trillium undulatum
 Uvularia grandiflora
 ✓ Uvularia sessilifolia
 Vicia americana
 Viola adunca
 Viola blanda
 Viola canadensis
 Viola conspersa
 Viola cucullata
 ✓ Viola incognita
 Viola nephrophylla
 Viola pallens
 Viola papilionacea
 ✓ Viola pubescens
 ✓ Viola renifolia
 Viola selkirkii
 Viola sororia
 ✓ Waldsteinia fragarioides

Additional species

Oryzopsis asperifolia
 Mosses

Lichens

Erigeron spp.

Aster hendleyanus - *A. ciliolatus*

Luzula acuminata

Brachyotum erectum

Carex pedunculata

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 65 (1)

TREE SEEDLINGS

9816543 Abies balsamea
Acer pensylvanicum
9815321 Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
6 Betula papyrifera
1 Amelanchier spp.

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa

Pinus strobus
9 Populus tremuloides
4 Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis
2 Prunus ang
4 Pyrus amer
Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
864 Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
0732 Corylus cornuta
9 Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
Lonicera canadensis

SHRUBS

Prunus pumila
Pyrus melanocarpa
Ribes cynosbati
Ribes glandulosum
Ribes lacustre
Rosa sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
Rubus idaeus

HERBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphlis margaritacea
Anemone cylindrica
986431 Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
3 Aquilegia canadensis
9 Aralia nudicaulis
Arisaema atrorubens
086324 Aster macrophyllus
Athyrium filix-femina
Botrychium virginianum
76 Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
6 Circaea alpina
Claytonia caroliniana
Claytonia virginiana
061 Clintonia borealis
5 Coptis groenlandicum
Corallorhiza maculata
096 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
6 Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
42 Fragaria virginiana
Galium aparine
09832 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habernaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
9 Hieracium aurantiacum
6 Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
0987654321 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
921 Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
09624 Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
92 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
76 Streptopus roseus
Tiarella cordifolia
097632 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
2 Viola pubescens
Viola renifolia
0968321 Waldsteinia fragarioides
0976 Viola microgyna

Additional species

Mosses 12, 45, 67, 89, 90
Lichens 1467
Ornithoglossum asper 238
Luzula acuminata 2679
Arise sp 3
Carex pedunculata 4
Carex arctata 70
Monarda uniflora 9
Poa pratensis 90

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 65(2)

TREE SEEDLINGS

543 Abies balsamea
Acer pensylvanicum
4321 Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
Betula papyrifera

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa

Pinus strobus
3 Populus tremuloides
1 Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis

3 Amelanchier

4 Prunus nigra

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana

SHRUBS

Prunus pumila
Pyrus melanocarpa
2 Ribes cynosbati
Ribes glandulosum
Ribes lacustre
Rosa sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
1 Rubus idaeus

Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis

424 Corylus cornuta

Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
Lonicera canadensis

42 Vaccinium angustifolium

541 Vaccinium myrtilloides

Lonicera oblongifolia 3

Viburnum acerifolium
Viburnum trilobum

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphlis margaritacea
Anemone cylindrica

HERBS

Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
1 Fragaria virginiana
Galium aparine
5 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
1 Linnaea borealis
Lycopodium annotinum
5 Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
32 Lycopodium obscurum
54321 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
2 Polygonatum pubescens
Prenanthes alba

421 Anemone quinquefolia

Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
Arisaema atrorubens

542 Pteridium aquilinum

542 Aster macrophyllus
Athyrium filix-femina
Botrychium virginianum

Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans

2 Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina

2 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata

Claytonia caroliniana
Claytonia virginiana

53 Streptopus roseus
Tiarella cordifolia

52 Clintonia borealis
5 Coptis groenlandicum
Corallorhiza maculata

42 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis

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Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

Viola pallens
Viola pubescens
Viola renifolia

542 Waldsteinia fragarioides

3 Viola microgyna

Additional species

Mazus 12345
Lichens 235
Luzula acuminata 15
Oryzopsis asperifolia 2-34

Myrica uniflora 3
Iva frutescens 5