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Site 6093 (Boreal Stand 93): Iron Bridge, District of Algoma, Ontario. 1956-07-30

[s.l.]: [s.n.], 1956-07-30

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25 yd int

Iron Bridge

1½ E. of Iron Bridge on Kings Hwy 17
District of Algoma, N. Ontario

PFM, JEM.

July 30, 1956

Size - 25 acres

Type - Spruce - balsam + pine

Topography - gently rolling, stand on flat ground.

Condition of stand.

Considerable windthrow of Ab + other species

Considerable Ab + Ws regn on tip ups + fallen mossy logs

Logged for pine + burned

Stand 75-100 yrs old Up + Popple brood

W1 - Mene Site

Understory rich in lichen flora on dead fallen branches + trees

Quite open - heavy understory

Soil

A₀ 4-5" needles + leavesA₁ 2" - black humus incorp.A₂ ½ - 2" grey brown

B. reddish brown coarse sand

A₀ - 1½ needlesA₁ - 1" - blackish brown humusA₂ - 1" grey brown

B red brown sand

A₀ - ¾" needlesA₁ - 1½" black brownA₂ - 1-2" grey brownB - red-brown sand
coarse

TREE DATA SUMMARY SHEET

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

✓ Station Number: 6093

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SOL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.
			-80	-320	321										
Abies bals	22	37				1433	69	57.5		73.3	31.4	30.8	20.2	82.4	
Acer rubru	2	2				245	23	19.2		6.7	2.9	1.7	3.4	8.0	
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif	2	2				300				6.7	2.9	1.7	4.2	8.8	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	27	54				3309	17	14.2		89.9	38.6	44.9	46.7	130.2	
Pinus Bank															
P. resinosa															
P. Strobus	5	8				965				16.6	7.1	6.7	13.6	27.4	
Populus ba															
P. grandid															
P. tremulo	6	10				625	2	1.7		20.0	8.5	8.3	8.8	25.6	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi	4	5				144	9	7.5		13.3	5.7	4.2	2.2	12.1	
Ulmus amer															
U. fulva															
Picea mar.	2	2				62				6.7	2.9	1.7	0.9	5.5	
TOTALS	68	120				7083	120	100.0		233.2	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

9.8

AVE B. A.:

59.0

TREES/ACRE:

454

DOM./ACRE:

26,786

Stand No. 93(1)

Distance

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 93(2)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 93(3)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	2 1/2-23 1/2 20-50 14-27 4	3-19 13	18 1/2 17 1/2 9	8 1/2 14 12	19-80 6 7 1/2	25 14-35 24 6-16 23	14-85 18		11 21 9	4 1/2-5 1/2 10 1/2-70 14 1/2
Acer rubrum		6 7	3-180					17 14		
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif		8-155	12-145							
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau	7-95 1	3-50 8 1/2-45	19-140 7-85 4-75 6-85	1-2 1/2	6 11 1/2-30 14 1/2-185	14-185 32 8-110 8 1/2	9 1/2-40 6 7-50 16-20	14 1/2-90 11 1/2-23 18 5-35 3-25	10 1/2-75 5-60 10 1/2 18	12 1/2
Pinus Bank										
P. resinosa										
P. Strobus					3-165	7 1/2-75 8-35				
Populus bals										
P. grand										
P. trem					7-75					
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ			21-25 7-20	8		16 7 21				
Ulmus amer										
U. fulva										
Canopy Litter	50 1	65 1	75 2	40 2	55 2	20 1 1/2	65 1	10 1	85 1 1/2	60 1 1/2
Distance										

Av. canopy = 49.20

Av. litter = 1.4"

University of Wisconsin
STAND NO. 93

	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	TOTAL	% FREQ.
Achillea millefolium																							
Actaea pachypoda																							
Actaea rubra																							
Adiantum pedatum																							
Agastache foeniculum																							
Agrimonia gryposepala																							
Agrostis perennans																							
Allium tricoccum																							
Alnus crispa																							
Alnus rugosa																							
Amphicarpa bracteata																							
Anaphlis margaritacea																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Anemone virginiana																							
Antennaria spp.																							
Apocynum androsaemifolium																							
Aquilegia canadensis																							
Aralia hispida	✓																						1
Aralia nudicaulis	✓								✓		✓			✓								3	20
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arenaria lateriflora																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster acuminatus																							
Aster ciliolatus																							
Aster furcatus																							
Aster lateriflorus																							
Aster macrophyllus	✓																						1
Aster nova-angliae																							
Aster paniculatus																							
Aster puniceus																							
Aster sagittifolius																							
Aster umbellatus																							
Athyrium filix-femina	✓																						1
Athyrium thelypteroides																							
Botrychium lanceolatum																							
Botrychium lunaria																							
Botrychium matricariaefolium																							
Botrychium multifidum																							
Botrychium virginianum																							
Brachelytrum erectum	✓																						1
Caltha palustris																							
Calypso bulbosa																							
Campanula rotundifolia																							
Carex arctata	✓					✓																1	7
Carex aurea																							
Carex brunnescens																							
Carex canescens																							

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Carex disperma																							
Carex eburnea																							
Carex intumescens																							
Carex leptalea																							
Carex pedunculata	✓		✓			✓		✓														3	20
Carex pensylvanica																							
Carex projecta																							
Carex woodii																							
Carex spp.																							
Caulophyllum thalictroides																							
Celastrus scandens																							
Chamaedaphne calyculata																							
Chimaphila umbellata																							
Chrysanthemum leucanthemum																							
Chrysosplenium americanum																							
Cicuta maculata																							
Cinna latifolia																							
Circaea alpina																							
Cirsium altissimum																							
Cirsium arvense																							
Cirsium vulgare																							
Claytonia caroliniana																							
Claytonia virginica																							
Clematis virginiana																							
Clematis verticillaris																							
Clintonia borealis	✓																						1
Comandra richardsiana																							
Comandra umbellata																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandicum	✓	✓	✓	✓			✓	✓	✓	✓		✓	✓	✓		✓						11	73
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Cornus alternifolia																							
Cornus canadensis	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓		✓						10	67
Cornus racemosa																							
Cornus rugosa																							
Cornus stolonifera																							
Corydalis sempervirens																							
Corylus americana																							
Corylus cornuta	✓	✓																				1	7
Cryptotaenia canadensis																							
Cynoglossum boreale																							
Cynoglossum officinale																							
Cypripedium acaule																							
Cypripedium arietinum																							
Cypripedium calceolus																							
Cypripedium reginae																							
Cystopteris bulbifera																							
Cystopteris fragilis	✓																						1
Dalibarda repens																							

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Geum aleppicum																							
Geum canadense																							
Geum rivale																							
Glyceria striata																							
Goodyera obtusifolia																							
Goodyera pubescens																							
Goodyera repens																							
Goodyera tessellata																							
Habenaria clavellata																							
Habenaria hyperborea																							
Habenaria obtusata																							
Habenaria orbiculata																							
Habenaria psycodes																							
Habenaria viridis																							
Hackelia virginiana																							
Halenia deflexa																							
Hamamelis virginiana																							
Helianthus strumosus																							
Hepatica acutiloba																							
Hepatica americanum																							
Heracleum maximum																							
Heuchera richardsonii																							
Hieracium aurantiacum																							
Hieracium canadense																							
Hieracium pratense																							
Hieracium scabrum																							
Ilex verticillata		✓	✓																			1	7
Impatiens capensis																							
Iris lacustris																							
Isopyrum bitermum																							
Juniperus communis																							
Juniperus horizontalis																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus																							
Ledum groenlandicum																							
Lichens spp.		✓	✓			✓	✓	✓	✓		✓	✓	✓		✓	✓						10	67
Lilium michiganense																							
Linnaea borealis		✓		✓			✓	✓				✓	✓									5	33
Listera auriculata																							
Listera borealis																							
Listera convallarioides																							
Listera cordata																							
Lobelia inflata																							
Lonicera canadensis		✓																					1
Lonicera dioica																							
Lonicera hirsuta																							
Lonicera involucrata																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lonicera villosa																							
Luzula acuminata																							

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Luzula multiflora																							
Lycopodium annotinum	✓																					2	1
Lycopodium clavatum	✓									✓		✓										2	13
Lycopodium complanatum																							
Lycopodium inundatum																							
Lycopodium lucidulum																							
Lycopodium obscurum	✓						✓		✓				✓									3	20
Lycopodium sabinaefolium																							
Lycopodium selago																							
Lycopodium tristachyum																							
Lycopus americanus																							
Lycopus uniflorus																							
Lysimachia ciliata																							
Lysimachia quadrifolia																							
Lysimachia terrestris																							
Maianthemum canadense	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						14	93
Malaxis unifolia																							
Medeola virginiana																							
Melampyrum lineare																							
Menispermum canadense																							
Mertensia paniculata																							
Milium effusum	✓																						1
Mitchella repens																							
Mitella diphylla																							
Mitella nuda	✓																						1
Moneses uniflora																							
Monotropa hypopithys																							
Montropa uniflora																							
Mosses spp.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					15	100
Nemopanthus mucronata																							
Onoclea sensibilis																							
Orchis spectabilis																							
Oryzopsis asperifolia																							
Oryzopsis racemosa																							
Osmorhiza claytoni																							
Osmorhiza longistylis																							
Osmunda claytoniana	✓																						1
Osmunda cinnamomea	✓																						1
Osmunda regalis																							
Oxalis montana	✓											✓										1	7
Oxalis stricta																							
Panax quinquefolius																							
Panax trifolius																							
Parthenocissus inserta																							
Parthenocissus quinquefolia																							
Petasites palmatus																							
Phleum pratense																							
Phlox divaricata																							
Phryma leptostachya																							
Plantago major																							
Poa compressa																							
Poa pratensis																							

[illegible]

[illegible]

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Amelanchier spp.	✓					✓				✓	✓					✓						4	27
Betula lutea																							
Betula papyrifera	✓				✓	✓																2	13
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	✓			✓						✓						✓						3	20
Prunus nigra																							
Prunus pensylvanica																							
Prunus serotina																							
Prunus virginiana																							
Pyrus americana	✓	✓							✓													2	13
Pyrus decora																							
Quercus rubra																							
Thuja occidentalis																							
Tilia americana																							
Tsuga canadensis																							
Ulmus americana																							
Ulmus rubra																							
Ulmus thomasi																							
Carex norae - anglica mans sp	✓ ✓			✓		✓				✓	✓	✓				✓						5 1	33 7

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 93

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* *sp.*
 ✓ *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 thelypteroides
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

93

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

Mosses
bulens
Carex norae-angliae
Brachyelytrum erectum
Juncus hermoldii - streamside omit
Big grass - *Milium effusum*
Lycopodium uniflorum
Anethum hispidum
Sphagnum spp.

Solidago hispida

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 93 (1)

TREE SEEDLINGS

0831 Abies balsamea
Acer pensylvanicum
982 Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
54 Betula papyrifera
06 Amelanchier sp.

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

Pinus strobus
03 Populus tremuloides
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis
81 Pyrus amer

SHRUBS

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

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

Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

HERBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphalis margaritacea
Anemone cylindrica
Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
08 Aralia nudicaulis
Arisaema atrorubens
Aster macrophyllus
Athyrium filix-femina
Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
9876324 Coptis groenlandicum
Corallorhiza maculata
9876521 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

9832 Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
3 Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
Fragaria virginiana
Galium aparine
Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
762 Linnaea borealis
Lycopodium annotinum
9 Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
84 Lycopodium obscurum
0987654321 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
9876542 Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
2 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
Streptopus roseus
Tiarella cordifolia
8654/ Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides
2 Viola incognita

Additional species

Moyses 1234567890
Lichens 145678
like Pappusaria / V. umbr
Carex pedunc 257
fine Carex 390 - Carex noron-angliae
grass sp 4
Carex alata 4

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 93(2)

TREE SEEDLINGS

54324 *Abies balsamea*
Acer pensylvanicum
 324 *Acer rubrum*
Acer saccharum
Acer spicatum
Betula lutea
Betula papyrifera
 51 *Amelanchier* sp.

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

Pinus strobus
 4 *Populus tremuloides*
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
Corylus cornuta
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

Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
 2 *Vaccinium angustifolium*
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

HERBS

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

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

Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
 1 *Oxalis montana*
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
 532 *Pteridium aquilinum*
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
Streptopus roseus
Tiarella cordifolia
 32 *Trientalis borealis*
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

Additional species

Morph 12345
 Lichen 1245
 One. Lich 15 - *Carex novae angliae*