



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 6088 (Boreal Stand 88): Agawa River, District of Algoma, Ontario. 1956-07-26

[s.l.]: [s.n.], 1956-07-26

<https://digital.library.wisc.edu/1711.dl/AHRGPHS2G6R2Y8D>

This material may be protected by copyright law (Title 17, US Code).

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

STAND RECORD

FORESTS

Stand No. 88

Name: *Agawa River*
 County: *District of Algoma, N. Ontario* T: _____
 Date: *July 26, 1956* Observers: _____
 Size of Stand: *80 acres* PFM, JEM
 Forest Type: _____
 Topography: *level sandplain*

25 yd. x 100 yd.
 Locality: *1/2 mi S. of Agawa R., King's Hwy 17*
 R: _____ Sec: *End of the road*

Size of Area Sampled: _____

Soil Type: _____

Slope: _____

Directions _____

Condition of Stand:

Previously burned + few Norway removed.
Wet Site. or Wet - Msluc
Heavy Moss + sphagnum layer on surface. Canopy quite open

Open Grown Trees:

% Canopy:

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	_____	_____	_____	_____	_____	_____	_____	_____	_____

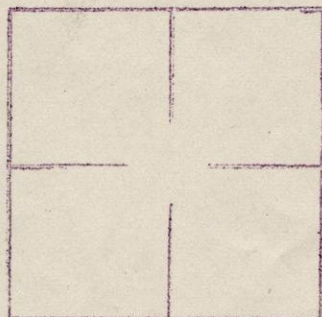
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>1" needles + leaves</i>	<i>3/4 needles + leaves</i>
A ₁	<i>1 1/2" black</i>	<i>1" black</i>
A ₂	<i>1 1/2" grey brown</i>	<i>2" grey brown</i>
B	<i>reddish brown coarse sand</i>	<i>reddish brown coarse sand</i>
	<i>gravel layer</i>	<i>sand</i>

Parent Material:

Map:



TREE DATA SUMMARY SHEET

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

Station Number: 6088

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	18	33				1144	72	60.0		59.9	24.2	27.5	15.9	67.6	
Acer rubru															
A. sacchar															
A. spicatu							1	0.8							
Betula lut															
B. papyrif	5	7				405	3	2.5		16.7	6.8	5.8	5.6	18.2	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	22	40				2080	18	15.8		73.3	29.7	33.3	28.9	91.9	
Pinus Bank															
P. resinosa	12	20				2220				40.0	16.2	16.7	30.8	63.7	
P. Strobus	10	11				702	7	5.8		33.3	13.5	9.2	9.8	32.5	
Populus ba															
P. grandid															
P. tremulo	5	7				536	1	0.8		16.7	6.8	5.8	7.4	20.0	
Prunus pen							9	7.5							
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Picea mar.	2	2				100	1	0.8		6.7	2.8	1.7	1.6	6.1	
Pyrus amer.							4	2.5							
Prunus virg							3	2.5							
TOTALS	74	120				7187	120	100.0		246.6	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

10.0

AVE. B. A.:

59.9

TREES/ACRE:

436

DOM./ACRE:

26, 116

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 88 (1)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 88 H

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 88 B)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	6 13 10	6 13 10		8 1/2-25 12 6 1/2	4-12 11 8-55	15-40 15 24	3 1/2-11-55 7-20 27-15	6 11 1/2	4 11	6 25
Acer rubrum										
A. sacchar.										
A. spicatum								11		
Betula lut.										
B. papyrif				5-65			3-30	14-23 12-16	14	
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau		15-25 7-50	8-35 2 1/2-35	6 4 1/2	6-70 3 1/2 14-150 12 1/2-80		3-45 8 1/2-60	12-28 20-85	7-25 12-50	11 10 1/2
Pinus Bank										
P. resinosa	15 1/2-70	4 1/2-50	3-35 6-45						9-50	3-40 2 1/2-110 5-20
P. Strobus	18-35 14	9-22 11 1/2		4 8 1/2-27		6 1/2-30			18	3-40 9 1/2
Populus bals										
P. grand										
P. trem	3-14 13-22								10 1/2-40	
Prunus pen.					5	6	5			
Tilia mar. Quercus ell			12							
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Canopy	5	20	30	35	70	20	75	60	70	70
Litter	1/2	1	1	1/2	1/2	1 1/2	2	1 1/2	1	2
Distance										

Av. Canopy = 48.0%

Av. Litter = 1.3"

Data Form No. 84a
TABULATION FORM

Plant Ecology Research
SPRUCE - FIR, SPRUCE - FIR MIXED HARDWOODS

University of Wisconsin
STAND NO. 88

	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	TOTAL	% REC'D
<u>Achillea millefolium</u>																							
<u>Actaea pachypoda</u>																							
<u>Actaea rubra</u>																							
<u>Adiantum pedatum</u>																							
<u>Agastache foeniculum</u>																							
<u>Agrimonia gryposepala</u>																							
<u>Agrostis perennans</u>																							
<u>Allium tricoccum</u>																							
<u>Alnus crispa</u>																							
<u>Alnus rugosa</u>																							
<u>Amphicarpa bracteata</u>																							
<u>Anaphlis margaritacea</u>																							
<u>Anemone canadensis</u>																							
<u>Anemone cylindrica</u>																							
<u>Anemone quinquefolia</u>																							
<u>Anemone virginiana</u>																							
<u>Antennaria spp.</u>																							
<u>Apocynum androsaemifolium</u>																							
<u>Aquilegia canadensis</u>																							
<u>Aralia hispida</u>																							
<u>Aralia nudicaulis</u>	✓					✓								✓	✓							3	20
<u>Aralia racemosa</u>																							
<u>Arctostaphylos uva-ursi</u>																							
<u>Arenaria lateriflora</u>																							
<u>Arisaema atrorubens</u>																							
<u>Asarum canadense</u>																							
<u>Asclepias exaltata</u>																							
<u>Aster acuminatus</u>																							
<u>Aster ciliolatus</u>																							
<u>Aster furcatus</u>																							
<u>Aster lateriflorus</u>																							
<u>Aster macrophyllus</u>	✓			✓	✓	✓	✓	✓							✓	✓						7	47
<u>Aster nova-angliae</u>																							
<u>Aster paniculatus</u>																							
<u>Aster puniceus</u>																							
<u>Aster sagittifolius</u>																							
<u>Aster umbellatus</u>																							
<u>Athyrium filix-femina</u>																							
<u>Athyrium thelypteroides</u>																							
<u>Botrychium lanceolatum</u>																							
<u>Botrychium lunaria</u>																							
<u>Botrychium matricariaefolium</u>																							
<u>Botrychium multifidum</u>																							
<u>Botrychium virginianum</u>																							
<u>Brachelytrum erectum</u>	✓					✓																1	7
<u>Caltha palustris</u>																							
<u>Calypso bulbosa</u>																							
<u>Campanula rotundifolia</u>																							
<u>Carex arctata</u>																							
<u>Carex aurea</u>																							
<u>Carex brunnescens</u>																							
<u>Carex canescens</u>																							

[illegible]

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Geum aleppicum																							
Geum canadense																							
Geum rivale																							
Glyceria striata																							
Goodyera obtusifolia																							
Goodyera pubescens																							
Goodyera repens	✓			✓							✓		✓									3	20
Goodyera tessellata																							
Habenaria clavellata																							
Habenaria hyperborea																							
Habenaria obtusata	✓																						1
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																							
Impatiens capensis																							
Iris lacustris																							
Isopyrum bitermum																							
Juniperus communis																							
Juniperus horizontalis																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus																							
Ledum groenlandicum	✓	✓			✓						✓		✓	✓	✓							6	40
Lichens spp.	✓	✓			✓						✓		✓	✓	✓								
Lilium michiganense																							
Linnaea borealis	✓						✓				✓											2	13
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	11	12	13	14	15	16	17	18	19	20		
Luzula multiflora																							
Lycopodium annotinum																							
Lycopodium clavatum																							
Lycopodium complanatum																							
Lycopodium inundatum																							
Lycopodium lucidulum	✓				✓	✓																2	13
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	✓										✓	✓										2	13
Menispermum canadense																							
Mertensia paniculata																							
Milium effusum																							
Mitchella repens																							
Mitella diphylla																							
Mitella nuda	✓																						1
Moneses uniflora	✓	✓		✓	✓		✓		✓													5	33
Monotropa hypopithys																							
Monotropa uniflora																							
Mosses spp.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						15	100
Nemopanthus mucronata																							
Onoclea sensibilis																							
Orchis spectabilis																							
Oryzopsis asperifolia	✓	✓	✓									✓	✓		✓							5	33
Oryzopsis racemosa																							
Osmorhiza claytoni																							
Osmorhiza longistylis																							
Osmunda claytoniana																							
Osmunda cinnamomea																							
Osmunda regalis																							
Oxalis montana																							
Oxalis stricta																							
Panax quinquefolius																							
Panax trifolius																							
Parthenocissus inserta																							
Parthenocissus quinquefolia																							
Petasites palmatus																							
Phleum pratense																							
Phlox divaricata																							
Phryma leptostachya																							
Plantago major																							
Poa compressa																							
Poa pratensis																							

Data Form No. 84f
TABULATION FORM

Plant Ecology Research
SPRUCE - FIR, SPRUCE - FIR MIXED HARDWOODS

University of Wisconsin
STAND NO. 88

[illegible]

[illegible]

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Amelanchier spp.	✓										✓											1	7
Betula lutea																							
Betula papyrifera	✓					✓																1	7
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	✓					✓																1	7
Pyrus decora																							
Quercus rubra																							
Thuja occidentalis																							
Tilia americana																							
Tsuga canadensis																							
Ulmus americana																							
Ulmus rubra																							
Ulmus thomasi																							
Sphagnum sp	✓																						1
									</														

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 88

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. *discolor*
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

STAND 88

~~✓~~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 bicknelli
 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 palmaris
 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 mistassinica
 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

Lichens
 Sphagnum spp
 Mones.
 Oxytropis asperifolia
 Carex eburnea
 Habenaria obtusata
 Goodyera repens

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 88(1)

TREE SEEDLINGS

06/31 Abies balsamea
Acer pensylvanicum
Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
5 Betula papyrifera
0 Amelanchier sp

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

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

SHRUBS

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
Corylus cornuta
98/432 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
09 Vaccinium angustifolium
09 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
5 Aralia nudicaulis
Arisaema atrorubens
76/43 Aster macrophyllus
Athyrum filix-femina
Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
86/54 Clintonia borealis
96/53 Coptis groenlandicum
Corallorhiza maculata
09/63 Cornus canadensis
5 Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

65 Dryopteris spinulosa
0 Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
Fragaria virginiana
Galium aparine
5 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
03 Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
06 Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
54 Lycopodium lucidulum
1 Lycopodium obscurum
0986/54321 Maianthemum canadense
Medeola virginiana
0 Melampyrum lineare
Mitchella repens
Mitella diphylla

Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
6 Streptopus roseus
Tiarella cordifolia
0187/6432 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
4 Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides
65 Viola incognita

Additional species

Mosses 1234567890
Lichens 140
Mosses (various) 13468
Dryopteris aspera 12

Viola sp. 4 - pallens
Brachyelytrum erectum 5

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 88(2)

TREE SEEDLINGS

53 Abies balsamea
Acer pensylvanicum
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
Populus tremuloides
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis

SHRUBS

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
3 Corylus cornuta
5431 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
4 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
43 Aralia nudicaulis
Arisaema atrorubens
54 Aster macrophyllus
Athyrium filix-femina
Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
542 Coptis groenlandicum
Corallorhiza maculata
432 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

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
2 Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
41 Lycopodium obscurum
5432 Maianthemum canadense
Medeola virginiana
1 Melampyrum lineare
Mitchella repens
Mitella diphylla

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

Additional species

Morph. 12345
Lubens 234
Oxyglossis asper 124
Lonicera canadensis

Oxyglossis asper 24