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Site 6087 (Boreal Stand 87): Charles, Mackinac County, Michigan, Township 42N, Range 3W, Section 34. 1956-07-24

[s.l.]: [s.n.], 1956-07-24

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STAND RECORD

FORESTS

Stand No. 87

Name: *Charles*
 County: *Macdonac, N. Michigan*
 Date: *July 24, 1956*
 Size of Stand: *30 acres +*
 Forest Type:
 Topography: *gentle*

Charles
 Locality: *16 miles N. St. Ignace on Hy 2*
1 mi S - junction Hy 134
 T: *42N* R: *3W* Sec: *34*

Observers: *PM, JEM*

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

Previously logged + burned
wet-Mexic site.

Open Crown 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									

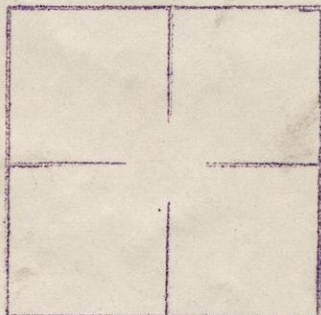
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>4-5 leaves + needles</i>	<i>4" leaves + needles</i>	<i>3"</i>
A ₁	<i>1-1 1/2 black</i>	<i>1 1/2 black</i>	<i>1"</i>
A ₂	<i>2" gray brown</i>	<i>2-2 1/2 same</i>	<i>2"</i>
B	<i>gray - orange sand</i>	<i>same</i>	<i>same</i>

Parent Material:

Map:



TREE DATA SUMMARY SHEET

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

Station Number: 87

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	37	71				2988	62	38.8		92.5	33.9	44.4	33.8	112.1	
Acer rubru	9	12				493	18	11.3		22.5	8.3	7.5	5.6	21.4	
A. sacchar															
A. spicatu							3	1.9							
Betula lut															
B. papyrif	12	13				774	5	3.1		30.0	11.0	8.1	8.7	27.8	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	5	6				461	1	0.6		12.5	4.6	3.8	5.2	13.6	
Picea mar Pinus Bank	1	1				50				2.5	0.9	0.6	0.6	2.1	
P. resinosa															
P. Strobus	9	9				1858	1	0.6		22.5	8.3	5.6	21.0	34.9	
Populus ba	1	1				60				2.5	0.9	0.6	0.7	2.2	
P. grandid															
P. tremulo	11	15				840	1	0.6		27.5	10.1	9.4	9.5	29.0	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	1	1				45	1	0.6		2.5	0.9	0.6	0.5	2.0	
Thuja occi	23	31				1262	64	40.0		57.5	21.1	19.4	14.4	54.9	
Ulmus amer															
U. fulva															
Acer pens.							4	2.5							
TOTALS	109	160				8831	160	100.0		272.5	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

8.0

AVE B. A.:

55.2

TREES/ACRE:

681

DOM./ACRE:

37,591

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 87(3)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	2-120 4 12	15-30	5 8 1/2 9	4-65 9 1/2 17	11-50 6-45	3-170 13 1/2	9-40 2-30 4	5-15 3 4	3-55 11-50 5 1/2 10 1/2	2-15 5-30 13-95 5 10 1/2
Acer rubrum	7-25 13	1 13 11	8-29 7 1/2-17	12	5-12 9	7				10 1/2
A. sacchar.										
A. spicatum									3	
Betula lutea										
B. papyrifera	11-40			6-45		8 1/2-27			6 1/2-130	11-14
Carpinus caroliniana										
Fagus grandifolia										
Ostrya virginica										
Picea canadensis										
Pinus strobus			3-65					2 1/2-30		
Populus balsamifera					9-60					
P. grandis										
P. tremula		2 1/2-90 7-100 11-75	10 1/2-30	4 1/2-45		16-75	8-40	8-35		
Prunus pennsylvanica										
Quercus elliptica										
Q. rubra										
Tilia americana										
Tsuga canadensis					16					
Thuja occidentalis	13 1/2-22			15-40 5 1/2	2	9-30 3 1/4	3-19 7 15	9 1/2-65 3 1/2 3	8-95	9 1/2
Ulmus americana										
U. fulva										
Canopy	60	90	70	75	60	70	80	70	90	55
Distance	2	1	2 1/2	3	1 1/2	2	2 1/2	3	1	1

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 87(4)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	5/21 5-25	7 1/2-50 4	11-45 12-50 9 1/2-23 11-80	10 10	5-40 3-25	9-12	11-35 9-16 10-20	3 5-23 8	3-22 4-100 2	6 8 12
Acer rubrum										
A. sacchar.										
A. spicatum						3				
Betula lut.										
B. papyrif	14-30				15-20	6		7-65 9-120	4-75	
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau									10-25	
Pinus Bank										
P. resinosa										
P. Strobus										4 1/2-45
Populus bals										
P. grand										
P. trem				2-20 8-25		4-45 4 1/2-75				
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ	3 1/2-170	8-24 4 1/2-22 8-12	3	11	7-60 2	8 4-13	8 5	5-25 3	5-15 5	6-40 4 1/2 12 10
Ulmus amer										
U. fulva										
Acer penn			6			10 1/2				
Canopy	80	85	40	90	85	70	40	45	65	70
Letter	2	1 1/2	1	1 1/2	2	1 1/2	1	1 1/2	2	5
Distance										

Av. Canopy = 65% Av. letter = 2.1"

University of Wisconsin
STAND NO. 87

[illegible]

[illegible]

University of Wisconsin
STAND NO. 87

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
<u>Desmodium glutinosum</u>																							
<u>Dicentra canadensis</u>																							
<u>Dicentra cucullaria</u>																							
<u>Diervilla lonicera</u>	✓																						1
<u>Dirca palustris</u>																							
<u>Dryopteris boottii</u>																							
<u>Dryopteris cristata</u>																							
<u>Dryopteris disjuncta</u>	✓																						1
<u>Dryopteris goldiana</u>																							
<u>Dryopteris marginalis</u>																							
<u>Dryopteris noveboracensis</u>																							
<u>Dryopteris phegopteris</u>																							
<u>Dryopteris spinulosa</u>																							
<u>Empetrum nigrum</u>																							
<u>Epifagus virginiana</u>																							
<u>Epigaea repens</u>																							
<u>Epilobium angustifolium</u>																							
<u>Epilobium glandulosum</u>																							
<u>Epilobium strictum</u>																							
<u>Equisetum arvense</u>	✓																						1
<u>Equisetum pratense</u>																							
<u>Equisetum scirpoides</u>																							
<u>Equisetum sylvaticum</u>																							
<u>Erigeron annuus</u>																							
<u>Erigeron philadelphicus</u>																							
<u>Erigeron strigosus</u>																							
<u>Erythronium albidum</u>																							
<u>Erythronium americanum</u>																							
<u>Eupatorium maculatum</u>																							
<u>Eupatorium perfoliatum</u>																							
<u>Eupatorium purpureum</u>																							
<u>Fagopyrum sagittatum</u>																							
<u>Festuca obtusa</u>																							
<u>Fragaria vesca</u>																							
<u>Fragaria virginiana</u>	✓																	✓					1 5
<u>Galium aparine</u>																							
<u>Galium asprellum</u>																							
<u>Galium boreale</u>																							
<u>Galium concinnum</u>																							
<u>Galium lanceolatum</u>																							
<u>Galium triflorum</u>	✓										✓		✓				✓	✓					4 20
<u>Gaultheria hispidula</u>																							
<u>Gaultheria procumbens</u>																							
<u>Gaylussacia baccata</u>																							
<u>Gentiana andrewsii</u>																							
<u>Gentiana crinata</u>																							
<u>Gentiana linearis</u>																							
<u>Gentiana quinquefolia</u>																							
<u>Geocaulon lividum</u>																							
<u>Geranium bicknelli</u>																							
<u>Geranium maculatum</u>																							
<u>Geranium robertianum</u>																							

	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	✓																						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	✓							✓	✓													2	10
Hieracium scabrum																							
Ilex verticillata																							
Impatiens capensis																							
Iris lacustris																							
Isopyrum bitermum																							
Juniperus communis																							
Juniperus horizontalis																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus																							
Ledum groenlandicum																							
Lichens spp.	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	15	75
Lilium michiganense																							
Linnaea borealis	✓			✓		✓	✓	✓	✓	✓			✓			✓						8	40
Listera auriculata																							
Listera borealis																							
Listera convallarioides																							
Listera cordata																							
Lobelia inflata																							
Lonicera canadensis	✓										✓									✓		2	10
Lonicera dioica																							
Lonicera hirsuta																							
Lonicera involucrata																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lonicera villosa																							
Luzula acuminata																							

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Podophyllum peltatum																							
Polygala paucifolia	✓		✓		✓	✓		✓		✓		✓						✓				7	35
Polygonatum biflorum																							
Polygonatum pubescens																							
Polygonum cilinode																							
Polymnia canadensis																							
Polypodium virginianum																							
Potentilla canadensis																							
Potentilla norvegica																							
Potentilla simplex																							
Potentilla tridentata																							
Prenanthes alba																							
Primula mistassinaca																							
Prunella vulgaris																							
Prunus pumila																							
Pteretis pensylvanica																							
Pteridium aquilinum	✓																						/
Pyrola asarifolia	✓																						/
Pyrola elliptica	✓																						/
Pyrola grandiflora																							
Pyrola minor																							
Pyrola rotundifolia																							
Pyrola secunda	✓										✓	✓					✓					3	15
Pyrola virens																							
Pyrus floribunda																							
Pyrus melanocarpa																							
Ranunculus abortivus																							
Ranunculus acris																							
Ranunculus pensylvanicus																							
Ranunculus recurvatus																							
Ranunculus repens																							
Ranunculus septentrionalis																							
Rhamnus alnifolia																							
Rhus glabra																							
Rhus radicans																							
Rhus typhina																							
Rhus vernix																							
Ribes americanum																							
Ribes cynosbati																							
Ribes glandulosum																							
Ribes hirtellum																							
Ribes lacustre																							
Ribes oxyacanthoides																							
Ribes triste	✓																						/
Rosa sp.																							
Rubus allegheniensis																							
Rubus idaeus	✓					✓																/	5
Rubus hispidus																							
Rubus odoratus																							
Rubus parviflorus																							
Rubus pubescens	✓		✓																			/	5
Rubus (blackberry)																							

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Trifolium pratense																							
Trifolium repens																							
Trillium cernuum																							
Trillium erectum																							
Trillium grandiflorum																							
Trillium undulatum																							
Uvularia grandiflora																							
Uvularia sessilifolia																							
Vaccinium angustifolium	✓		✓																		1	5	
Vaccinium cespitosum																							
Vaccinium corymbosum																							
Vaccinium myrtilloides																							
Vaccinium ovalifolium																							
Vaccinium uliginosum																							
Vaccinium vitis-idaea																							
Veronica officinalis																							
Veronica scutellata																							
Veronica serpyllifolia																							
Viburnum acerifolium																							
Viburnum alnifolium																							
Viburnum cassinoides	✓																					1	
Viburnum edule																							
Viburnum lentago																							
Viburnum rafinesquianum																							
Viburnum trilobum																							
Vicia americana																							
Viola adunca																							
Viola blanda																							
Viola canadensis																							
Viola conspersa																							
Viola cucullata																							
Viola incognita	✓		✓									✓	✓	✓		✓	✓		✓		7	35	
Viola nephrophylla																							
Viola pallens																							
Viola papilionacea																							
Viola pubescens																							
Viola renifolia	✓			✓	✓			✓													3	15	
Viola selkirkii																							
Viola sororia																							
Vitis riparia																							
Waldsteinia fragarioides																							
Woodsia ilvensis																							
Xanthoxylum americanum																							
Tree Seedlings																							
Abies balsamea	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	18	90
Acer pensylvanicum	✓		✓	✓				✓	✓	✓		✓				✓	✓				8	40	
Acer rubrum	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	19	95
Acer saccharum																							
Acer spicatum	✓															✓		✓		✓	3	15	

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Amelanchier spp.	✓												✓									1	5
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	✓											✓	✓									2	10
Populus balsamifera																							
Populus grandidentata																							
Populus tremuloides	✓																		✓			1	5
Prunus nigra																							
Prunus pensylvanica																							
Prunus serotina																							
Prunus virginiana																							
Pyrus americana																							
Pyrus decora																							
Quercus rubra																							
Thuja occidentalis	✓						✓									✓						2	10
Tilia americana																							
Tsuga canadensis	✓											✓										1	5
Ulmus americana																							
Ulmus rubra																							
Ulmus thomasi																							
trans sp	✓																		✓			1	5

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 87

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 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 87

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

Carex pedunculata
Equisetum arvense
Mosses
Lichens
Aster ludleyanus
Hieracium patense - yellow, hairy
Habenaria obtusata
Carex eburnea

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 8710

TREE SEEDLINGS

87642 Abies balsamea 90
98732 Acer pensylvanicum
875421 Acer rubrum 90
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
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
Aralia nudicaulis
Arisaema atrorubens
9876 Aster macrophyllus
Athyrium filix-femina
Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
0842 Clintonia borealis
O Coptis groenlandicum
Corallorhiza maculata
092 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
Goodyera repens
Habernaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
987653 Linnaea borealis
9 Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
0987643 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
97542 Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
O Pyrola secunda
Ranunculus acris
Rhus radicans
2 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
Streptopus roseus
Tiarella cordifolia
0854 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
743 Viola renifolia
Waldsteinia fragarioides
2 Viola microgyna

Additional species

Mosses 1234567890
Lichens 145678
Hieracium palense 78

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 87(2)

TREE SEEDLINGS

7654321 Abies balsamea 89
651 Acer pensylvanicum
7654321 Acer rubrum 890
Acer saccharum
975 Acer spicatum
Betula lutea
Betula papyrifera
2 Amelanchier sp.

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

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

SHRUBS

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

Prunus pumila
Pyrus melanocarpa
Ribes cynosbati
Ribes glandulosum
Ribes lacustre
Rosa sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
5 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
71 Aralia nudicaulis
Arisaema atrorubens
75 Aster macrophyllus
Athyrium filix-femina
97 Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
7 Circaea alpina
Claytonia caroliniana
Claytonia virginiana
81 Clintonia borealis
81 Coptis groenlandicum
Corallorhiza maculata
1 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
7 Fragaria virginiana
Galium aparine
7631 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
5 Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
8734 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

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

976431 Viola microgyna

Additional species

Moore 234567890
Lichens 234567890
Carex pedunculata 789
Sium sp 7