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Site 6081 (Boreal Stand 81): Masonville, Delta County, Michigan, Township 41N, Range 21W, Section 30. 1956-07-17

[s.l.]: [s.n.], 1956-07-17

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STAND RECORD

FORESTS

Stand No. 81

Name: *Masonville*
 County: *Delta, N. Michigan*
 Date: *July 17, 1956*
 Size of Stand: *15-20 acres*
 Forest Type: *Balsam-Cedar-Spruce*
 Topography: *Level*

T: 41N

R: 21W

Sec: 30

Locality: *25 yd int.*
1/2 mi N. Masonville on US 41.2, adjacent to roadside park.

Observers:

PFM

Size of Area Sampled:

Soil Type:

Slope:

Slight

Directions

to NE

Condition of Stand:

*Never logged but probably come in as result of previous fire
 grades into wetter area - site best classified as wet-mesic or Mesic
 Stand 60 yrs old - Ws bored.*

Open Grown Trees:

% Canopy:

Stumps:

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

Soil Data:

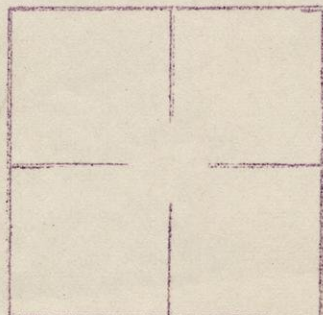
	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>2" needles + cedar</i>	<i>1 1/2" needles + cedar</i>	<i>3/4" needles + cedar</i>
A ₁	<i>8" black crumbly</i>	<i>6" black crumbly</i>	<i>3" brown-black crumbly</i>
A ₂			
B	<i>gravelly light brown clay on limestone bedrock</i>	<i>gravelly light brown clay on limestone gravel & stone</i>	<i>gravelly brown clay at 7" glei</i>
Parent Material:	<i>some glei</i>	<i>glei</i>	<i>glei</i>

Map:



TREE DATA SUMMARY SHEET

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

Station Number: 81

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	28	58				2405	58	48.3		93.2	37.3	48.3	42.3	127.9	
Acer rubru															
A. sacchar						1	1	0.8							
A. spicatu															
Betula lut															
B. papyrif	1	1				308	3	2.5		3.3	1.3	0.8	0.5	2.6	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	7	7				785				23.3	9.3	5.8	13.8	28.9	
Pinus Bank															
P. resinosa															
P. Strobus	1	2				315				3.3	1.3	1.7	5.5	8.5	
Populus ba	6	6				710	1	0.8		20.0	8.0	5.0	12.5	25.5	
P. grandid															
P. tremulo	3	3				228	1	0.8		10.0	4.0	2.5	4.0	10.5	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	1	1				20	2	1.7		3.3	1.3	0.8	0.4	2.5	
Thuja occi	24	38				1024	51	42.5		80.0	32.2	31.8	18.1	82.1	
Ulmus amer	4	4				163	3	2.5		13.3	5.3	3.3	2.9	11.5	
U. fulva															
TOTALS	75	120				5630	120	100.0		249.7	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

8.8

AVE B. A.:

47.3

TREES/ACRE:

563

DOM./ACRE:

26,630

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 81 (1)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 81 (2)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 81(3)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	1 1/2-45 4-40	6-100 1/6-85	12 1/2-25 17 1/2-95 13 1/2-45 16-30	9 1/2-35 10 1/2-50 3 1/2	18-60 4 1/2 38	12-60 9-55	5-75 3 1/2	2-60 1 1/2-20 8 1/2-25	3 1/2-85 9	4-30 3 1/2-20 11
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau				2-15	8-160		9 1/2-20			
Pinus Bank										
P. resinosa										
P. Strobis		12-25 12 1/2-65								
Populus bals	7 1/2-130									
P. grand										
P. trem							7-10			
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can						3 1/2-10		7 1/2		
Thuja occ	8-17 8 1/2 14 18 1/2	18	13	2 1/2-22 4 1/2 13-23 5	4 1/2-27 5-12	8-20 6 15 7	15-30 14 12 1/2-20	4 1/2-20 7-50 12 1/2-20	4 1/2-20 7 1/2 8 1/2-20	6-50 2 8 1/2-20
Ulmus amer						10				
U. fulva										
Canopy	65	45	15	55	65	40	80	55	60	60
Litter	2	1	1/2	1 1/4	1/2	1	2	1 1/2	1 1/2	1/4
Distance										

Av. Canopy = 60%

Av. Litter 1.4"

[illegible]

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
<i>Desmodium glutinosum</i>																							
<i>Dicentra canadensis</i>																							
<i>Dicentra cucullaria</i>																							
<i>Diervilla lonicera</i>	✓																						1
<i>Dirca palustris</i>	✓																						1
<i>Dryopteris boottii</i>																							
<i>Dryopteris cristata</i>																							
<i>Dryopteris disjuncta</i>	✓				✓	✓					✓											3	20
<i>Dryopteris goldiana</i>																							
<i>Dryopteris marginalis</i>																							
<i>Dryopteris noveboracensis</i>																							
<i>Dryopteris phegopteris</i>																							
<i>Dryopteris spinulosa</i>	✓										✓											1	7
<i>Empetrum nigrum</i>																							
<i>Epifagus virginiana</i>																							
<i>Epigaea repens</i>																							
<i>Epilobium angustifolium</i>																							
<i>Epilobium glandulosum</i>																							
<i>Epilobium strictum</i>																							
<i>Equisetum arvense</i>	✓																						1
<i>Equisetum pratense</i>																							
<i>Equisetum scirpoides</i>	✓																						1
<i>Equisetum sylvaticum</i>																							
<i>Erigeron annuus</i>																							
<i>Erigeron philadelphicus</i>	✓																						1
<i>Erigeron strigosus</i>																							
<i>Erythronium albidum</i>																							
<i>Erythronium americanum</i>																							
<i>Eupatorium maculatum</i>																							
<i>Eupatorium perfoliatum</i>																							
<i>Eupatorium purpureum</i>																							
<i>Fagopyrum sagittatum</i>																							
<i>Festuca obtusa</i>																							
<i>Fragaria vesca</i>																							
<i>Fragaria virginiana</i>	✓				✓								✓									2	13
<i>Galium aparine</i>																							
<i>Galium asprellum</i>																							
<i>Galium boreale</i>																							
<i>Galium concinnum</i>																							
<i>Galium lanceolatum</i>																							
<i>Galium triflorum</i>	✓			✓	✓	✓					✓		✓	✓	✓	✓	✓					8	53
<i>Gaultheria hispidula</i>																							
<i>Gaultheria procumbens</i>																							
<i>Gaylussacia baccata</i>																							
<i>Gentiana andrewsii</i>																							
<i>Gentiana crinata</i>																							
<i>Gentiana linearis</i>																							
<i>Gentiana quinquefolia</i>																						</	

	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	✓																						1
Habenaria obtusata																							
Habenaria orbiculata																							
Habenaria psycodes																							
Habenaria viridis	✓																						
Hackelia virginiana																							
Halenia deflexa	✓				✓																	1	7
Hamamelis virginiana																							
Helianthus strumosus																							
Hepatica acutiloba																							
Hepatica americanum	✓																						1
Heracleum maximum																							
Heuchera richardsonii																							
Hieracium aurantiacum																							
Hieracium canadense																							
Hieracium pratense																							
Hieracium scabrum																							
Ilex verticillata																							
Impatiens capensis																							
Iris lacustris																							
Isopyrum biternatum																							
Juniperus communis																							
Juniperus horizontalis																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus																							
Ledum groenlandicum																							
Lichens spp.	✓				✓		✓	✓					✓	✓		✓						6	40
Lilium michiganense																							
Linnaea borealis	✓		✓	✓	✓	✓							✓	✓	✓							7	47
Listera auriculata																							
Listera borealis																							
Listera convallarioides																							
Listera cordata																							
Lobelia inflata																							
Lonicera canadensis	✓																						1
Lonicera dioica																							
Lonicera hirsuta	✓				✓																	1	7
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																							
Polygonatum biflorum																							
Polygonatum pubescens																							
Polygonum cilinode																							
Polymnia canadensis																							
Polypodium virginianum																							
Potentilla canadensis																							
Potentilla norvegica																							
Potentilla simplex																							
Potentilla tridentata																							
Prenanthes alba																							
Primula mistassinaca																							
Prunella vulgaris	✓				✓								✓									2	13
Prunus pumila																							
Pteretis pensylvanica																							
Pteridium aquilinum	✓																					1	
Pyrola asarifolia	✓															✓						1	7
Pyrola elliptica																							
Pyrola grandiflora																							
Pyrola minor																							
Pyrola rotundifolia																							
Pyrola secunda	✓			✓												✓						2	13
Pyrola virens																							
Pyrus floribunda																							
Pyrus melanocarpa																							
Ranunculus abortivus																							
Ranunculus acris	✓															✓						1	7
Ranunculus pensylvanicus																							
Ranunculus recurvatus	✓																						1
Ranunculus repens																							
Ranunculus septentrionalis	✓																						1
Rhamnus alnifolia																							
Rhus glabra																							
Rhus radicans																							
Rhus typhina																							
Rhus vernix																							
Ribes americanum																							
Ribes cynosbati	✓																						1
Ribes glandulosum																							
Ribes hirtellum																							
Ribes lacustre																							
Ribes oxyacanthoides																							
Ribes triste	✓															✓						1	7
Rosa sp.																							
Rubus allegheniensis																							
Rubus idaeus																							
Rubus hispidus																							
Rubus odoratus																							
Rubus parviflorus																							
Rubus pubescens	✓																						1
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	✓																						1
Trillium erectum																							
Trillium grandiflorum																							
Trillium undulatum																							
Uvularia grandiflora																							
Uvularia sessilifolia	✓																						1
Vaccinium angustifolium																							
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																							
Viburnum edule																							
Viburnum lentago																							
Viburnum rafinesquianum																							
Viburnum trilobum																							
Vicia americana																							
Viola adunca																							
Viola blanda																							
Viola canadensis																							
Viola conspersa	✓				✓	✓					✓			✓									4 27
Viola cucullata																							
Viola incognita																							
Viola nephrophylla																							
Viola pallens	✓						✓																1 7
Viola papilionacea																							
Viola pubescens	✓	✓	✓	✓	✓	✓	✓						✓	✓									4 27
Viola renifolia	✓		✓	✓	✓	✓					✓				✓	✓							6 40
Viola selkirkii																							
Viola sororia																							
Vitis riparia																							
Waldsteinia fragarioides																							
Woodsia ilvensis																							
Xanthoxylum americanum																							
Tree Seedlings																							
Abies balsamea	✓	✓	✓	✓	✓	✓	✓				✓		✓	✓	✓	✓							11 73
Acer pensylvanicum																							
Acer rubrum																							
Acer saccharum																							
Acer spicatum	✓					✓																	1 7

[illegible]

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 81

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* ? coll.
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-81

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

Solidago sp. - lepidota?

Moss
Lichen
Carex pedunculata
Equisetum scirpoides
Anemone thalictroides?
Aster latiflorus
Cynoglossum boreale
Erigeron philadelphicus
Equisetum arvense
Cystopteris bulbifera

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 81(1)

TREE SEEDLINGS

- 065434 *Abies balsamea*
Acer pensylvanicum
Acer rubrum
Acer saccharum
 4 *Acer spicatum*
Betula lutea
 9 *Betula papyrifera*
 6 *Amelanchier sp.*

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

- Fagus grandifolia*
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa
 97 *Prax. meg.*

SHRUBS

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

- 9 *Pop. balsamifera*
Pinus strobus
 6 *Populus tremuloides*
Prunus pensylvanica
Prunus serotina
 5 *Thuja occidentalis*
Tilia americana
Tsuga canadensis
 057 *Prunus orn. g.*

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

HERBS

- 9 *Dryopteris spinulosa*
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
 3 *Fragaria virginiana*
Galium aparine
 0432 *Galium triflorum*
Gaultheria hispida
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
 3 *Halenia deflexa*
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
 5432 *Linnaea borealis*
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
 5 *Lycopodium lucidulum*
Lycopodium obscurum
 097532 *Maianthemum canadense*
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

- 087542 *Mitella nuda*
Monotropa uniflora
 0 *Osmorhiza claytoni*
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
 2 *Pyrola secunda*
Ranunculus acris
Rhus radicans
Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
 8754 *Streptopus roseus*
Tiarella cordifolia
 09 *Trientalis borealis*
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
 5 *Viola pallens*
 4 *Viola pubescens*
 0432 *Viola renifolia*
Waldsteinia fragarioides
 943 *Viola conspersa*

Additional species

- Mosses* 1234567890
Lichens 356
Carex pedunculata 123780
Asarum canadense 1
Polygonum palmatum 2
Prunella vulgaris 3
Erans sp. 357

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 81(2)

TREE SEEDLINGS

5432 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
4 Populus tremuloides
Prunus pensylvanica
Prunus serotina
52 Thuja occidentalis
Tilia americana
Tsuga canadensis

SHRUBS

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
2 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
4 Actaea rubra
Adiantum pedatum
Anaphalis margaritacea
Anemone cylindrica
2 Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
1 Arisaema atrorubens
4 Aster macrophyllus
Athyrium filix-femina
4 Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
Coptis groenlandicum
Corallorhiza maculata
4 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
2 Fragaria virginiana
Galium aparine
5432 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
432 Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
5432 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

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

Additional species

Mosses 12345
Lichens 235
Prunella vulgaris 2
Carex pedunculata 234
Ranunculus canadense 3
Carex acutata 3
Thalictrum dio 4
Ranunculus acris 4
Pyrola asarifolia 4