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Site 6070 (Boreal Stand 70): Herbster, Bayfield County, Township 50N, Range 7W, Section 11. 1956-05-27

[s.l.]: [s.n.], 1956-05-27

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STAND RECORD

FORESTS

Stand No. 70

25 yd intervals

Name: *Herbster*County: *Bayfield*Date: *May 27, 1956*Size of Stand: *40 acres*Forest Type: *Cedar balsam swamp*

Topography:

*gentle*Locality: *1-2 mi E. of Herbster S. side of Hwy 13. at bend*T: *50N*R: *7W*Sec: *11 N 1/2*Observers: *PFM.*

Size of Area Sampled:

Soil Type:

Slope:

gentle

Directions:

N facing

Condition of Stand:

Has been long ago logged but also considerable blowdown since, of all types.
Only few large white spruce scattered through.
On high water table - wet.

Open Crown Trees:

% Canopy:

Stumps:

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

Soil Data:

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

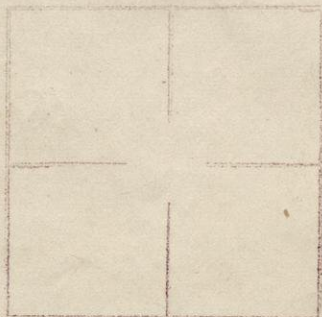
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>12-16" brown humus peat</i>	<i>16-24" brown humus peat</i>
A ₁	<i>thin black muck over red clay</i>	<i>thin black muck over red clay</i>
A ₂		
B		

Parent Material:

Map:



Stand about 80 yrs. old.
WS broad - 70, Cedar - 80

TREE DATA SUMMARY SHEET

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

Station Number: 70

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	48				2287	49	40.8		93.2	44.2	40.0	33.6	117.8	
Acer rubru	1	1				95				3.3	1.6	0.8	1.4	3.8	
A. sacchar															
A. spicatu							4	3.3							
Betula lut															
B. papyrif	3	3				151	2	1.7		1.0	0.5	2.5	2.2	5.2	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	2	2				392				6.7	3.2	1.7	5.8	10.7	
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba	1	1				90				3.3	1.6	0.8	1.3	3.7	
P. grandid															
P. tremulo	1	1				105				3.3	1.6	0.8	1.5	3.9	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi	30	64				3699	62	51.6		100.0	47.3	53.4	54.2	154.9	
Ulmus amer															
U. fulva															
Pyrus amer.							2	1.7							
Frax. nig.							1	0.8							
TOTALS	66	120				6819	120	100.0		210.8	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

7.1

AVE B. A.:

56.8

TREES/ACRE:

864

DOM./ACRE:

49,075

Stand No. 70 (1)

Canopy
Litter

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 70/2)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 70(3)

STATION NO.	1	2	3	4	5	6	7	8	9	10										
Abies balsam	13 10	84 44	8 6	36 29	2 8	25 30	7 90	11 18	11 9 1/2	70 48	7 40	1 29	8 9	21 35						
Acer rubrum			8 1/2	22	19	50														
A. sacchar.																				
A. spicatum																				
Betula. lut.																				
B. papyrif																				
Carpinus car																				
Fagus gran																				
Ostrya virg																				
Picea glau	11	202																		
Pinus Bank																				
P. resinosa																				
P. Strobus																				
Populus bals						9	90													
P. grand																				
P. trem																				
Prunus pen.																				
Quercus ell																				
Q. rubra																				
Tilia amer																				
Tsuga can					15 15	30 106														
Thuja occ	6	62	10	26	3	57	8 8	108 24	3 1/2 7 1/2	115 97	12 4	41 55	3 3 1/2	29 125	2 6 1/2	35 72	8 1/2 17	26 40	36 13	21 18
Ulmus amer							3 1/2 170	9 97												
U. fulva																				
Canopy	60	45	65	65	75	80	65	55	60	30										
Litter	3	2	3"	2"	2 1/2	2	2	2 1/2	3	3										
Distance																				

Av. Canopy = 62%.

Av. Litter = 2.3

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 70 (1) SAPLING

[illegible]

[illegible]

	P	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	0		
Carex disperma	✓																						1
Carex eburnea	✓							✓							✓	✓						3	20
Carex intumescens	✓															✓						1	7
Carex leptalea	✓																						1
Carex pedunculata	✓		✓					✓	✓					✓								3	20
Carex pensylvanica	✓	✓					✓	✓						✓	✓							5	33
Carex projecta																							
Carex woodii																							
Carex spp.																							
Caulophyllum thalictroides																							
Celastrus scandens																							
Chamaedaphne calyculata																							
Chimaphila umbellata																							
Chrysanthemum leucanthemum																							
Chrysosplenium americanum																							
Cicuta maculata																							
Cinna latifolia																							
Circaea alpina	✓									✓												1	7
Cirsium altissimum																							
Cirsium arvense																							
Cirsium vulgare																							
Claytonia caroliniana																							
Claytonia virginica																							
Clematis virginiana																							
Clematis verticillaris																							
Clintonia borealis	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓		✓						12	80
Comandra richardsiana																							
Comandra umbellata																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandicum	✓						✓	✓			✓											3	20
Corallorhiza maculata																							
Corallorhiza striata	✓																						1
Corallorhiza trifida																							
Cornus alternifolia																							
Cornus canadensis	✓		✓				✓					✓			✓	✓						5	33
Cornus racemosa																							
Cornus rugosa	✓							✓														1	7
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	✓		✓				✓									✓						3	20
Goodyera tessellata																							
Habenaria clavellata																							
Habenaria hyperborea	✓																						1
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																							
Lichens spp.	✓		✓		✓				✓			✓	✓									5	33
Lilium michiganense																							
Linnaea borealis	✓	✓	✓				✓	✓							✓	✓	✓					7	47
Listera auriculata																							
Listera borealis																							
Listera convallarioides																							
Listera cordata	✓							✓	✓													2	13
Lobelia inflata																							
Lonicera canadensis	✓	✓				✓										✓						3	20
Lonicera dioica																							
Lonicera hirsuta																							
Lonicera involucrata																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lonicera villosa																							
Luzula acuminata																							

[illegible]

Data Form No. 84f
TABULATION FORM

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

University of Wisconsin
STAND NO. 70

	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	✓																						1
Prunus pumila																							
Pteretis pensylvanica																							
Pteridium aquilinum	✓										✓											1	7
Pyrola asarifolia																							
Pyrola elliptica																							
Pyrola grandiflora																							
Pyrola minor																							
Pyrola rotundifolia																							
Pyrola secunda	✓	✓						✓								✓						3	20
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	✓										✓											1	7
Ribes glandulosum																							
Ribes hirtellum																							
Ribes lacustre																							
Ribes oxyacanthoides																							
Ribes triste	✓																						1
Rosa sp.	✓																						1
Rubus allegheniensis																							
Rubus idaeus																							
Rubus hispidus																							
Rubus odoratus																							
Rubus parviflorus	✓		✓								✓			✓								3	20
Rubus pubescens	✓		✓				✓	✓		✓				✓	✓							6	40
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	7
Trillium erectum																							
Trillium grandiflorum																							
Trillium undulatum																							
Uvularia grandiflora																							
Uvularia sessilifolia																							
Vaccinium angustifolium	✓																						1
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																							
Viola cucullata																							
Viola incognita	✓	✓					✓	✓	✓					✓	✓	✓						7	47
Viola nephrophylla																							
Viola pallens																							
Viola papilionacea																							
Viola pubescens																							
Viola renifolia	✓					✓				✓												2	13
Viola selkirkii																							
Viola sororia																							
Vitis riparia																							
Waldsteinia fragarioides																							
Woodsia ilvensis																							
Xanthoxylum americanum																							
Tree Seedlings																							
Abies balsamea	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓					14	93
Acer pensylvanicum																							
Acer rubrum	✓	✓			✓		✓	✓		✓				✓			✓					7	47
Acer saccharum																							
Acer spicatum	✓						✓	✓	✓	✓	✓			✓	✓							7	47

[illegible]

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 70

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* *red*
☒ *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

5-70

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

Listera cordata
Habenaria obtusata
Equisetum arvense v. *boreale*
Carex sp. - coll. - *leptalea*
sp. coll. in - *Aster umbellatus*
Equisetum scirpoides
Habenaria bracteata - tall many leaves = *H. hyperborea*.
Aster lindleyanus
Carex pedunculata
Carex eburnea
Aster lateriflorus
Carex disperma

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 70 (1)

TREE SEEDLINGS

87654321 Abies balsamea 90
Acer pensylvanicum
97641 Acer rubrum
Acer saccharum
09876 Acer spicatum
Betula lutea
Betula papyrifera

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa
7 May my seeds

Pinus strobus
2 Populus tremuloides
Prunus pensylvanica
Prunus serotina
91 Thuja occidentalis
Tilia americana
Tsuga canadensis
532 Populus amer

SHRUBS

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

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

2 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
9652 Aralia nudicaulis
Arisaema atrorubens
0987624 Aster macrophyllus
8 Athyrium filix-femina
8 Botrychium virginianum
761 Carex pensylvanica collected
Chimaphila umbellata
Chrysanthemum leucanthemum
9 Circaea alpina
Claytonia caroliniana
Claytonia virginiana
97654321 Clintonia borealis
076 Coptis groenlandicum
Corallorhiza maculata
62 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
7 Dryopteris disjuncta
Dryopteris phegopteris

Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
1 Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
Fragaria virginiana
Galium aparine
987 Galium triflorum
24 Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
62 Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
7621 Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
0 Lycopodium lucidulum
Lycopodium obscurum
85432 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

0987624 Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
71 Pyrola secunda
Ranunculus acris
Rhus radicans
9762 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
5421 Streptopus roseus
Tiarella cordifolia
0964321 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
59 Viola renifolia
Waldsteinia fragarioides
8761 Viola incognita

Additional species

May 12-34-56-76-90
Achens 248
Aquilegia canadensis 169
Equisetum sylvaticum 2

Carex pedunculata 27
Petasites palmatus 26
Osmunda cinnamomea 6
Aster ciliolatus 70

Listera cordata 75
Carex obscura 7
Analis racemosa 0
Monarda uniflora 0

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 70 (2)

TREE SEEDLINGS

- 5431 Abies balsamea
Acer pensylvanicum
41 Acer rubrum
Acer saccharum
32 Acer spicatum
Betula lutea
Betula papyrifera
5 Amelanchier
Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
Corylus cornuta
Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
5 Lonicera canadensis

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

SHRUBS

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

HERBS

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

- Pinus strobus
Populus tremuloides
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis
29 Max. neg.
54 Populus alba
31 Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

4 Salix sp.

- 5432 Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
1 Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
5 Pyrola secunda
Ranunculus acris
Rhus radicans
43 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
1 Streptopus roseus
Tiarella cordifolia
54 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

432 Viola microgyna
3 Trillium cornutum

Additional species

Mosses 12345
Lichens 12
Carex pedunculata 3
Potamogeton palm. 3

Aster lindleyanus 2
Carex flacca 45
Equisetum arvense 5
Carex intumescens 5