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Yard

STAND RECORD

FORESTS

Stand No. 3584

Name:

Locality:

County: Price Co.

T: 35N R: 3E Sec: 31

Date: 7-12-53

Observers: Christensen

Size of Stand:

Size of Area Sampled:

Forest Type: mostly

Soil Type:

Topography: flat, lowland, boggy, sphagnum

Slope:

Directions

Condition of Stand: + Polytrichum on floor, with some slight rises that are not boggy. and some wet areas without sphagnum.

Good condition. Some very old stumps, but no new cutting.

A heavily used yard. Hemophanthus, red maple, Alnus used very hard. Even Picea and young Alnus show browsing. South of a more upland area.

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									

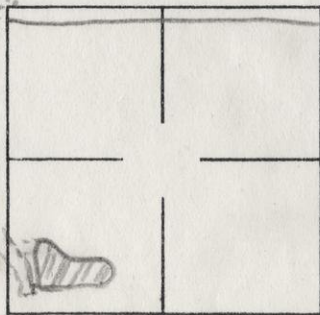
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	-----
A ₁	-----
A ₂	-----
B	-----

Parent Material:

Map:



Acer rubrum and Thuja found on boggy and more upland places. Thuja only in wet places.

X = browse presence

62

Plant Ecology Research
TREE DATA SUMMARY SHEET

yard

Northern Pine-Hardwoods

Est.

Station Number: 3584

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	Lowland	
			-80	-320	321										C. I.	
Abies bals	10	15	15			388	18	11.25		25.0	9.80	9.38	6.40	25.58	76.24	115.11
Acer rubru	22	35	34	1		1203	44	27.50	65	55.0	21.57	21.88	19.84	63.29	443.03	379.74
A. sacchar	2	2	2			63	6	3.75		5.0	1.96	1.25	1.04	4.25	42.50	42.50
A. spicatu																
Betula lut	5	6	5	1		372	6	3.75	20	12.5	4.90	3.75	6.13	14.78	96.07	110.85
B. papyrif	13	19	19			650	8	5.00		32.5	12.75	11.88	10.72	35.35	159.08	176.75
Carpinus c																
Fagus gran																
Ostrya vir																
Picea glau	1	1	1			28				2.5	0.98	0.63	0.46	2.07	3.11	8.28
Pinus Bank																
P. resinosa																
P. Strobus	1	1	1			64				2.5	0.98	0.63	1.06	2.67	8.01	10.68
Populus ba																
P. grandid																
P. tremulo	7	12	9	3		602	2	1.25	10	17.5	6.86	7.50	9.93	24.29	85.02	85.01
Prunus pen																
→ Prunus ser.																
→ Quercus el	1	1	1			64	7	4.38		2.5	0.98	0.63	1.06	2.67	18.69	16.62
Q. rubra	1	1	1			20			5	2.5	0.98	0.63	0.33	1.94	16.49	13.58
→ Salix																
→ Tilia amer							1	0.63								
Tsuga cana	12	25	23	2		826	14	8.75	5	30.0	11.76	15.63	13.62	41.01	307.58	348.58
Thuja occi	8	15	10	5		936	2	1.25	15	20.0	7.84	9.38	15.43	32.65	65.30	130.60
→ Larix lar																
→ Ulmus amer	1	1	1			50	2	1.25		2.5	0.98	0.63	0.82	2.43	2.43	2.43
→ Picea mar																
→ U. fulva	8	10	10			218	6	3.75		20.0	7.84	6.25	3.59	17.68	26.52	35.36
Alnus rug							31	19.38	15							
Frax nig	10	16	15	1		581	13	8.13	5	25.0	9.80	10.00	9.58	29.38	132.21	146.90
Amelanchier									5							
	102	160	147	13		6065	160	100.02			99.98	100.05	100.01	300.04	1482.78	1622.39

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

37.91

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3584

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam						6	X	5	X	
Acer rubrum	6	4	7	8					4	1
A. sacchar.	7	5	(7)							
A. spicatum							X			
Betula lnt.			X	4		X		X		
B. papyrif					5	1			X	3
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau				X					6	
Pinus Bank										
P. resinosa										
P. Strobus				9						
Populus bals										
P. grand										
P. trem							X			
Prunus pen.										
Quercus ell										
Q. rubra					5					
Tilia amer						14	17	14		
Tsuga can			5		5	14	12	12	1	9
Thuja occ	16							7		
Ulmus amer	10									
U. fulva										
Picea mon.			5	6						
Alnus	X	X	X	X		X		X		
Ilex	4	4	4	2						
Nanophanthus	X	X		X						
Distance										

over

	1	2	3	4	5	6	7	8	9	10
Rasp	X									
Var. can	X				X					X
Corylus cor					X				X	
Lor. can					X					
Prunus ser					3					X
Frax nigra						X				
Larix									1	
Salix										X
Amelanchier										X
Station No.	1	2	3	4	5	6	7	8	9	10

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

STATION NO.

DATE FORM NO. 12

POINT RECORD TREES

STATION NO.

Stand No. 3584

over

DISTANCE	1	2	3	4	5	6	7	8	9	10
Larix				1	1					
Demopanthus				X			X			
Sierwilla					X	X	X			X
Cornus alt					X					
Rasp.					X	X		X		X
Prunus serotina					1	1	X			1
Amelanchier										
Trax nigra							12	1	4	
Blackberry								X		X
STATION NO.	1	2	3	4	5	6	7	8	9	10

POINT RECORD SHEET

NORTHERN PINE-HARDWOODS

STATION NO.

DATE FORM NO. 10

DATE OF VISIT

DATE OF VISIT

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3584

STATION NO.	21	2	3	4	5	6	7	8	9	10
<i>Abies balsam</i>		7	5	6	6	2				
<i>Acer rubrum</i>	2	7	2		5	3	4	6	(7)	2
<i>A. sacchar.</i>					1	8	1		(7)	4
<i>A. spicatum</i>										
<i>Betula lut.</i>			14		1			7		
<i>B. papyrif</i>			7		7	7	6	(8)	8	
<i>Carpinus car</i>										
<i>Fagus gran</i>										
<i>Ostrya virg</i>										
<i>Picea glau</i>										
<i>Pinus Bank</i>										
<i>P. resinosa</i>										
<i>P. Strobus</i>										
<i>Populus bals</i>										
<i>P. grand</i>										
<i>P. trem</i>						12	11		4	
<i>Prunus pen.</i>							7			
<i>Quercus ell</i>										
<i>Q. rubra</i>										
<i>Tilia amer</i>										
<i>Tsuga can</i>										
<i>Thuja occ</i>										
<i>Ulmus amer</i>										
<i>U. fulva</i>										
<i>Fraxinus</i>	(10)	5	6	4	4			5		
<i>Asp</i>	(9)	6		4	2					
<i>Alnus</i>	4									
<i>Prunus serotina</i>	6									
Distance										

over

Distance	1	2	3	4	5	6	7	8	9	10
Amelanchier						X				
Corylus corn						X				
Desmodium						X				
B. lachrymans								X		
Salix									1	
Juniperus communis										
Pinus strobus										
Quercus alba										
Fraxinus americana										
Aspen										
Birch										
Maple										
Willow										
Red maple										
White maple										
Black maple										
Red pine										
White pine										
Yellow pine										
Jack pine										
Scots pine										
Norway spruce										
European larch										
Siberian larch										
Japanese larch										
Chinese larch										
Amur larch										
Manchurian larch										
Altai larch										
Siberian fir										
Chinese fir										
Japanese fir										
Manchurian fir										
Altai fir										
Siberian spruce										
Chinese spruce										
Japanese spruce										
Manchurian spruce										
Altai spruce										
Siberian pine										
Chinese pine										
Japanese pine										
Manchurian pine										
Altai pine										
Siberian cedar										
Chinese cedar										
Japanese cedar										
Manchurian cedar										
Altai cedar										
Siberian cypress										
Chinese cypress										
Japanese cypress										
Manchurian cypress										
Altai cypress										
Siberian poplar										
Chinese poplar										
Japanese poplar										
Manchurian poplar										
Altai poplar										
Siberian birch										
Chinese birch										
Japanese birch										
Manchurian birch										
Altai birch										
Siberian alder										
Chinese alder										
Japanese alder										
Manchurian alder										
Altai alder										
Siberian hornbeam										
Chinese hornbeam										
Japanese hornbeam										
Manchurian hornbeam										
Altai hornbeam										
Siberian dogwood										
Chinese dogwood										
Japanese dogwood										
Manchurian dogwood										
Altai dogwood										
Siberian elm										
Chinese elm										
Japanese elm										
Manchurian elm										
Altai elm										
Siberian ash										
Chinese ash										
Japanese ash										
Manchurian ash										
Altai ash										
Siberian linden										
Chinese linden										
Japanese linden										
Manchurian linden										
Altai linden										
Siberian mulberry										
Chinese mulberry										
Japanese mulberry										
Manchurian mulberry										
Altai mulberry										
Siberian locust										
Chinese locust										
Japanese locust										
Manchurian locust										
Altai locust										
Siberian acacia										
Chinese acacia										
Japanese acacia										
Manchurian acacia										
Altai acacia										
Siberian catalpa										
Chinese catalpa										
Japanese catalpa										
Manchurian catalpa										
Altai catalpa										
Siberian baobab										
Chinese baobab										
Japanese baobab										
Manchurian baobab										
Altai baobab										

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

STAND NO.

3284

DATE FORM NO. 12

PLANT ECOLOGY RESEARCH

UNIVERSITY OF MICHIGAN

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3504

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	4 6	2	2							
Acer rubrum	6	1	7	4	2	4	1	3	8	5
A. sacchar.								3	5	5
A. spicatum										
Betula lnt.				4	4			10		8
B. papyrif		1					6			
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem		7								
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer						4				
Tsuga can			4	5	5	4	1	4		6
Thuja occ			4	5	5	6	1	12		
Ulmus amer			6	11	8					
U. fulva										
Frax mpa	5	7				4				2
Alnus		1	1					4	4	1
Ilex										
Salsp										
Distance										

over

HERB FREQUENCY

Quercus rubra 1'
Alnus rugosa 134
Acer rubra 12456789
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 7
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus 10
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 14679
Coptis trifolia 1069
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 1235678910
Cornus rugosa
Corylus americana
Corylus cornuta 5
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 1234
Epifagus virginiana
Epigaea repens
Carex trisperma 123468
Lycopus am 123
Osmunda cinn 124
Dryopteris cristata 3
Equisetum arvense 8

NORTHERN PINE-HARDWOODS

Thuja 13
Betula lutea 135
Fragaria virginiana
Galium lanceolatum
Galium triflorum
Gaultheria procumbens 10
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis 8
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum 12
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum 9
Lysimachia quadrifolia *clavatum* 5610
Maianthemum canadense 12347910
Mitchella repens 7
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana 78
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

Stand No. 3584
 Quadrat No. 1-10

Plex 1 *
Potentilla simplex
Prenanthes alba
Pteridium aquilinum 9
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus parviflorus
Rubus (blackberry)
Rubus (dewberry) 3
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 68
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense 10
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides
** Picea glauca* 4
Abies 568910
Pinus strobus 6
Thermopanthus 6
Trax. am 7

HERB FREQUENCY

Betula lutea 13
Asarum canadense 12467
Fraxinus 7
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 67
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus 7
" umbellatus 7
Aster sagittifolius
" latifolius 6 10
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum 5680
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 257
Coptis trifolia 37
Corallorrhiza maculata
Cornus alternifolia 56
Cornus canadensis 123456780
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera 57 10
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 34
Epifagus virginiana
Epigaea repens
Carex trisperma 123
Osmunda cinn. 1
Equisetum arw. 124
Ilex m. 1
Vac. can 123
Chorizanthe 3
Menyanthes 4

NORTHERN PINE-HARDWOODS

Thuja 4
Populus trem. 5 10
Fragaria virginiana 56
Galium lanceolatum
Galium triflorum 57
Gaultheria procumbens 278
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis 3
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum 678
Lysimachia quadrifolia
Maianthemum canadense 1378
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Oncoclea sensibilis
Oryzopsis asperifolia 6
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 4 10

? Rough grass 7

Epilobium glandulosum

Stand No. 3584
 Quadrat No. 11-20

Amelanchier 7
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Fosa sp.
Rubus parviflorus
Rubus (blackberry) 870
Rubus (dewberry) 5
Sambucus pubens 6810
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 378
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
" incognita 6
Viola pubescens
Waldsteinia fragarioides

Calamagrostis can 49

Salix 45

Taraxacum 56

Anaphalis (Gnaphalium luteo) 6

Lycopus am 9

Pear thumb 9

asp. ellipt. toothed 9

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3584

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
HERBS:																							
Actaea pachypoda	✓																						
Actaea rubra																							
Adenocaulon bicolor																							
Adiantum pedatum																							
Agrimonia gryposepala																							
Allium tricoccum																							
Alnus incana																							
Alnus rugosa	✓																						
Amphicarpa bracteata																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Antennaria sp.																							
Apocynum androsaemifolium																							
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓							✓								✓	✓					3	
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus	✓																✓			✓	2		
Aster macrophyllus	✓										✓							✓				2	
Aster prenanthoides																							
Aster sagittifolius																							
Aster shortii																							
Aster umbellatus	✓																	✓				1	
Athyrium filix-femina																							
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefolium																							
Botrychium virginianum																							
Brachyleytrum erectum	✓																✓	✓	✓		✓	4	
Bromus purgans																							
Campanula americana																							
Campanula rotundifolia																							
Cardamine pensylvanica																							
Carex albursina																							
Carex pensylvanica																							
Carex plantaginea																							
Caulophyllum thalictroid																							
Ceanothus ovatus																							
Celastrus scandens																							
Chimaphilia umbellata																							
Cicuta maculata																							
Circaea alpina																							
Circaea quadrisulcata																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3584

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Cirsium altissimum</i>																							
<i>Claytonia caroliniana</i>																							
<i>Claytonia virginica</i>																							
<i>Clematis verticillaris</i>																							
<i>Clintonia borealis</i>	✓	✓			✓		✓	✓	✓				✓			✓		✓				8	
<i>Comandra richardsiana</i>																							
<i>Comptonia peregrina</i>																							
<i>Convolvulus spithameus</i>																							
<i>Coptis groenlandica</i>	✓	✓	✓				✓			✓				✓				✓				6	
<i>Corallorhiza maculata</i>																							
<i>Corallorhiza striata</i>																							
<i>Corallorhiza trifida</i>																							
<i>Coreopsis palmata</i>																							
<i>Cornus alternifolia</i>	✓															✓	✓					2	
<i>Cornus canadensis</i>	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	18	
<i>Cornus foemina</i>																							
<i>Cornus rugosa</i>																							
<i>Corydalis sp.</i>																							
<i>Corylus americana</i>																							
<i>Corylus cornuta</i>	✓					✓																1	
<i>Cryptotaenia canadensis</i>																							
<i>Cynoglossum boreale</i>																							
<i>Cypripedium acaule</i>																							
<i>Cypripedium parviflorum</i>																							
<i>Cypripedium pubescens</i>																							
<i>Cystopteris fragillis</i>																							
<i>Danthonia spicata</i>																							
<i>Dentaria diphylla</i>																							
<i>Desmodium glutinosum</i>																							
<i>Desmodium nudiflorum</i>																							
<i>Dicentra canadensis</i>																							
<i>Dicentra cucullaria</i>																							
<i>Diervilla lonicera</i>	✓															✓		✓			✓	3	
<i>Dirca palustris</i>																							
<i>Dryopteris boottii</i>																							
<i>Dryopteris cristata</i>	✓			✓																		1	
<i>Dryopteris goldiana</i>																							
<i>Dryopteris disjuncta</i>																							
<i>Dryopteris phegopteris</i>																							
<i>Dryopteris spinulosa</i>	✓	✓	✓	✓	✓														✓	✓		6	
<i>Epifagus virginiana</i>																							
<i>Epigaea repens</i>																							
<i>Equisetum arvense</i>	✓								✓		✓	✓			✓							4	
<i>Equisetum hyemale</i>																							
<i>Equisetum sylvaticum</i>																							
<i>Erigeron philadelphicus</i>																							
<i>Erythronium albidum</i>																							
<i>Erythronium americanum</i>																							
<i>Eupatorium rugosum</i>																							
<i>Festuca obtusa</i>																							
<i>Fragaria virginiana</i>	✓															✓	✓					2	

Data Form No. 23

Plant Ecology Research

Univ. of Wisconsin

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3587

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Fragaria vesca																							
Galium aparine																							
Galium boreale																							
Galium circaezans																							
Galium concinnum																							
Galium lanceolatum																							
Galium triflorum	✓															✓		✓				2	
Gaultheria hispidula																							
Gaylussacia baccata																							
Geranium maculatum																							
Gerardia pedicularia																							
Geum canadense																							
Geum rivale																							
Gnaphalium obtusifolium																							
Goodyera oblongifolia																							
Goodyera pubescens																							
Goodyera repens																							
Habenaria bracteata																							
Habenaria orbiculata																							
Hackelia virginiana																							
Halenia deflexa																							
Hamamelis virginiana																							
Helianthus strumosus																							
Hepatica acutiloba																							
Hepatica americana																							
Heuchera richardsonii																							
Hieracium canadense																							
Hieracium scabrum																							
Hydrophyllum virginianum																							
Hystrix patula																							
Ilex verticillata	✓	✓										✓										2	
Impatiens biflora																							
Impatiens pallida																							
Isopyrum bitermum																							
Krigia biflora																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus																							
Lathyrus venosus																							
Ledum groenlandicum																							
Lilium michiganense																							
Linnaea borealis	✓								✓					✓								2	
Lithospermum canescens																							
Lobelia inflata																							
Lonicera canadensis	✓											✓										1	
Lonicera hirsuta																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lupinus perennis																							
Luzula acuminata																							
Luzula multiflora																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3584

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Lycopodium annotinum</i>		✓	✓	✓																			2
<i>Lycopodium clavatum</i>		✓				✓	✓				✓												3
<i>Lycopodium complanatum</i>																							
<i>Lycopodium lucidulum</i>																							
<i>Lycopodium obscurum</i>		✓								✓							✓	✓	✓				4
<i>Lycopodium tristachyum</i>																							
<i>Lycopus americanus</i>		✓	✓	✓	✓															✓			4
<i>Lycopus uniflorus</i>																							
<i>Lysimachia ciliata</i>																							
<i>Lysimachia quadrifolia</i>																							
<i>Maianthemum canadense</i>		✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓				✓	✓				11
<i>Malaxis unifolia</i>																							
<i>Medeola virginiana</i>																							
<i>Melampyrum lineare</i>																							
<i>Menispermum canadense</i>																							
<i>Milium effusum</i>																							
<i>Mitchella repens</i>		✓						✓															1
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>																							
<i>Monarda fistulosa</i>																							
<i>Moneses uniflora</i>																							
<i>Monotropa hypopithys</i>																							
<i>Monotropa uniflora</i>																							
<i>Nemopanthus mucronata</i>		✓					✓									✓							2
<i>Onoclea sensibilis</i>		✓																					
<i>Orchis spectabilis</i>																							
<i>Oryzopsis asperifolia</i>		✓															✓						1
<i>Oryzopsis racemosa</i>																							
<i>Osmorhiza claytoni</i>																							
<i>Osmunda claytoniana</i>																							
<i>Osmunda cinnamomea</i>		✓	✓	✓	✓							✓											4
<i>Osmunda regalis</i>																							
<i>Oxalis montana</i>		✓						✓	✓														2
<i>Panax quinquefolius</i>																							
<i>Panax trifolius</i>																							
<i>Panicum latifolium</i>																							
<i>Parietaria pensylvanica</i>																							
<i>Parthenocissus inserta</i>																							
<i>Pedicularis lanceolata</i>																							
<i>Phlox divaricata</i>																							
<i>Phlox pilosa</i>																							
<i>Phyrmaleptostachya</i>																							
<i>Pilea pumila</i>																							
<i>Podophyllum peltatum</i>																							
<i>Polemonium reptans</i>																							
<i>Polygala paucifolia</i>																							
<i>Polygonatum canaliculatu</i>																							
<i>Polygonatum pubescens</i>		✓															✓				✓		2
<i>Polypodium virginianum</i>																							
<i>Potentilla arguta</i>																							
<i>Potentilla simplex</i>																							

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Prenanthes alba																							
Prunella vulgaris																							
Pteretis pensylvanica																							
Pteridium aquilinum	✓									✓													1
Pyrola asarifolia																							
Pyrola elliptica																							
Pyrola minor																							
Pyrola rotundifolia																							
Pyrola secunda	✓																						
Pyrola virens																							
Ranunculus abortivus																							
Ranunculus recurvatus	✓																						
Ranunculus septentrional																							
Rhus radicans																							
Rhus typhina																							
Ribes americanum																							
Ribes cynosbati																							
Ribes lacustre																							
Ribes triste																							
Rosa sp.																							
Rubus idaeus																							
Rubus parviflorus																							
Rubus hispidus																							
Rubus - blackberry	✓																		✓		✓	2	
Rubus - dewberry	✓			✓												✓						2	
Rubus - raspberry	✓															✓			✓		✓	3	
Salix sp.	✓															✓	✓					2	
Sambucus canadensis	✓																						
Sambucus pubens																							
Sanguinaria canadensis																							
Sanicula gregaria																							
Sanicula marilandica																							
Schizachne purpurascens																							
Scutellaria lateriflora	✓																						
Senecio aureus																							
Shepherdia canadensis																							
Smilacina racemosa																							
Smilacina stellata																							
Smilax ecirrhata																							
Smilax herbacea																							
Smilax hispida																							
Solidago canadensis																							
Solidago flexicaulis																							
Solidago ulmifolia																							
Spiraea alba																							
Stellaria longifolia																							
Streptopus amplexifolius																							
Streptopus roseus																							
Symphoricarpos albus																							
Taxus canadensis																							
Thalictrum dioicum																							

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3584

[illegible]

STAND NO. 3584

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3584

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3584

Abies balsamea
Acer rubrum
Acer saccharum
Acer spicatum
✓ Amelanchier sp.
Betula lutea
Betula papyrifera
Caprinus caroliniana
Carya cordiformis
Crategeus sp.
Fagus grandiflora
Fraxinus americana
Fraxinus nigra

Fraxinus pennsylvanica
Juglans cinerea
Larix laricina
Ostrya virginiana
✓ Picea glauca
Pinus banksiana
Pinus resinosa
Pinus strobus
Populus balsamifera
Populus grandidentata
Populus tremuloides
Prunus pennsylvanica
Prunus serotina

Prunus virginiana
Quercus alba
Quercus ellipsoidalis
Quercus macrocarpa
Quercus rubra
Sorbus decora
Thuja occidentalis
Tilia americana
Tsuga canadensis
Ulmus americana
Ulmus fulva

HERBS AND SHRUBS

2 ✓ Actaea pachypoda
Actaea rubra
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Alnus rugosa
Amphicarpa bracteata
Anemone canadensis
Anemone quinquefolia
Antennaria sp.
Apocynum androsaemifolium
Apocynum cannabinum
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arctostaphylos uva-ursi
Arisaema atrorubens
Asarum canadense
Asclepias phytolaccoides
Aster cordifolius
Aster lateriflorus
Aster macrophyllus
Aster prenanthoides
Aster sagittifolius
Aster shortii
✓ Aster umbellatus
Athyrium angustum
Aureolaria pedicularia
Boehmeria cylindrica
Botrychium virginianum
✓ Brachyelytrum erectum
Bromus purgans
Campanula americana
Carex albursina
Carex pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Chimaphila umbellata
Chiogenes hispidula

Circaea alpina
Circaea latifolia
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
Convolvulus spithameus
Coptis trifolia
Corallorrhiza maculata
Corallorrhiza striata
Cornus alternifolia
Cornus canadensis
Cornus femina
Cornus rugosa
Corylus americana
Corylus cornuta
Cryptotaenia canadensis
Cypripedium acaule
Cypripedium pubescens
Cystopteris fragilis
Danthonia spicata
Dentaria diphylla
Desmodium glutinosum
Desmodium nudiflorum
Dicentra canadensis
Dicentra cucullaria
Diervilla lonicera
Dirca palustris
Dryopteris linneana
Dryopteris phegopteris
Dryopteris spinulosa
Epifagus virginiana
Epigaea repens
Equisetum arvense
Erythronium americanum
Fragaria virginiana
Galium aparine
Galium boreale
Galium circaeans
Galium concinnum

Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Goodyera pubescens
Goodyera repens
Habenaria bracteata
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Hieracium canadense
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
Lactuca canadensis
Laportea canadensis
Lappula virginica
Lathyrus ochroleucus
Ledum groenlandicum
✓ Linnaea borealis
Lonicera canadensis
Lonicera hirsuta
Lonicera oblongifolia
Lonicera prolifera
Luzula multiflora
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lycopodium tristachyum
Lycopus americanus
Lycopus uniflora
Lysimachia quadrifolia
Maianthemum canadense

3584

Melampyrum lineare	Pyrola elliptica	Smilax herbacea
Mitchella repens	Pyrola rotundifolia	Smilax hispida
Mitella diphylla	✓ Pyrola secunda	Solidago latifolia
Mitella nuda	Ranunculus abortivus	Solidago ulmifolia
Monarda fistulosa	✓ Ranunculus recurvatus	Streptopus amplexifolius
Moneses uniflora	Ranunculus septentrionalis	Streptopus roseus
Monotropa uniflora	Rhus radicans	Taxus canadensis
Myrica asplenifolia	Rhus typhina	Thalictrum dioicum
✓ Onoclea sensibilis	Ribes americanum	Tiarella cordifolia
Oryzopsis asperifolia	Ribes cynosbati	Trientalis borealis
Osmorhiza claytoni	Ribes lacustre	Trillium cernuum
✓ Osmunda cinnamomea	Ribes triste	Trillium grandiflorum
Osmunda claytoniana	Rubus idaeus	Uvularia grandiflora
Oxalis montana	Rubus parviflorus	Uvularia sessilifolia
Panax quinquefolia	Rubus hispidus	Vaccinium angustifolium
Parietaria pennsylvanica	✓ Rubus - blackberry	Vaccinium pennsylvanicum
Parthenocissus vitacea	✓ Rubus - dewberry	Viburnum acerifolium
Pedicularis lanceolata	✓ Rubus - raspberry	Viburnum affine
Phytolacca leptostachya	✓ Sambucus canadensis	Viburnum lentago
Podophyllum peltatum	Sambucus pubens	Viola canadensis
Polemonium reptans	Sanguinaria canadensis	Viola cucullata
Polygala pauciflora	Sanicula gregaria	✓ Viola incognita
Polygonatum commutatum	Schizachne purpurascens	Viola pallens
Polygonatum pubescens	✓ Scutellaria lateriflora	Viola pubescens
Potentilla simplex	Shepherdia canadensis	Vitis aestivalis
Prenanthes alba	Smilacina racemosa	Vitis riparia
Pteris nodulosa	Smilacina stellata	Waldsteinia fragarioides
Pteridium aquilinum	Smilax ecirrhata	Zanthoxylum americanum

Additional Species:

Calla palustris
Calamagrostis canadensis
Sagittaria cretata
Ribes hudsonianum
 Bay drooping sedge
Iris
Carex intumescens
Aster peruvianus
Scirpus cyperinus lineatus
 Teal thimb
Epilobium angustifolium
Chelone glabra
Eupatorium maculatum
Polygonum cilinode
Thistle Cirsium muticum