



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 3571: Manitowoc County, Township 17N, Range 21E, Section 24. 1953-06-27

[s.l.]: [s.n.], 1953-06-27

<https://digital.library.wisc.edu/1711.dl/QI3UKLBUMS55A8Z>

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

For information on re-use see:

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

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

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

STAND RECORD

FORESTS

Stand No. 3571

Name:

Locality:

County:

T:

R:

Sec:

Date: 4-27-53

Observers:

Size of Stand:

Size of Area Sampled:

Forest Type:

Soil Type:

Topography:

Slope:

Directions

Condition of Stand:

An excellent stand. Almost no evidence of cutting except for a little cutting last winter on south side. Cut areas were skipped.

Deer were reported as wintering in this general area, but no browsing is evident. One deer track and some very slightly used trails were seen.

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

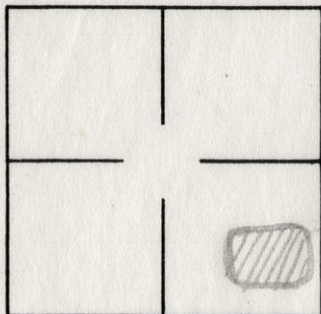
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

x = browse presence

Map:



Northern Pine-Hardwoods

Station Number: 3571

CHRIST.

Upland
Lowland

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SCL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	Upland C. I.	Lowland
			-80	-320	321											
Abies bals																
Acer rubru																
787.0 A. sacchar	26	47	33	12	2	3877	52	34.67	65	65.0	23.42	29.38	25.98	78.78	787.80	787.80
A. spicatu																
19.87 Betula lut	1	2	2			75	1	0.67		2.5	0.90	1.25	0.50	2.65	21.20	17.23
87.10 B. papyrif	8	9	7	2		684	1	0.67		20.0	7.21	5.63	4.58	17.42	87.05	78.39
13.28 Carpinus c	1	1	1			20	3	2.00		2.5	0.90	0.63	0.13	1.66	11.62	13.28
187.40 Fagus gran	9	10	7	3		653	15	10.00		22.5	8.11	6.25	4.38	18.74	187.40	187.40
246.62 Ostrya vir	13	18	18			446	59	39.33	20	32.5	11.71	11.25	3.00	25.96	233.64	259.60
→ Cany. and Picea glau									10							
Pinus Bank									10							
P. resinosa																
307.92 P. Strobus	24	37	14	22	1	4810	1	0.67		60.0	21.62	23.13	32.23	76.98	384.90	230.94
Populus ba																
P. grandid																
→ P. tremulo							2	1.33								
Prunus pen							2	1.33	10							
Quercus el																
235.48 Q. rubra	12	18	11	6	1	1728			5	30.0	10.81	11.25	11.58	33.64	201.84	485.94
30.77 Tilia amer	2	2	2			86	2	1.33	30	5.0	1.80	1.25	0.57	3.62	28.96	25.34
→ Prunus vir Tsuga cana									10							
8.24 Thuja occi	1	1	1			80				2.5	0.90	0.63	0.53	2.06	14.42	8.24
47.30 Ulmus amer	4	4	3		1	373	9	6.00		10.0	3.60	2.50	2.50	8.60	68.80	4.30
129.43 U. fulva	5	5	1	2	2	1620				12.5	4.50	3.13	10.86	18.49	147.92	129.43
50.54 Taxus am	3	4	4			301	5	3.33	25	7.5	2.70	2.50	2.02	7.22	57.76	39.71
10.16 Quercus alba	1	1	1	1		150				2.5	0.90	0.63	1.01	2.54	10.16	17.78
8.30 Crataegus	1	1	1			20			10	2.5	0.90	0.63	0.13	1.66	3.32	8.30
2169.41	111	160	105	48	7	14923	150	100			99.98	100.04	100	300.02	1537.72	2093.63

AVE. DIST. BTW'N TREES:

AVE. B. A.:

TREES/ACRE:

DOM./ACRE:

93.3

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3571

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum										
A. sacchar.	450 290	X	X	65 3	55	X	X 1	X	X	190 210
A. spicatum										
Betula lut.										
B. papyrif	150									65
Carpinus car										
Fagus gran			1							1
Ostrya virg	7	40 30	3	3		35	16 3	26 3	23 16	3
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus	130	120 70	140 120 120	150 120	400 310	220 65	130 70	40	180	30
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra								220		X
Tilia amer						21	X		1	X
Tsuga can										
Thuja occ							80			
Ulmus amer		X	130	X	39 1	13 3	X		16	
? U. fulva			230	390						
Fry am					X 1	X 1			X	X
Buckley ash		X							X	
Dam can					X	X				
Rasp.							X			
Distance										

over

Vibace.
Quercus alba

X

150

Stand No. 3571

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3571

[illegible]

[illegible]

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3571
Quadrat No. 6-10

✓ *Asar. canad.* 145
Prunus penn. 2
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia 1
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens 2
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 2
Epifagus virginiana
Epigaea repens

Frax. vir. 2
Staph. cord. 3
Fragaria virginiana 3
Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana 3
Impatiens biflora
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 1
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia 3
Osmorhiza claytoni 12
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 34

Viola 5
Frax. am. 3
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus parviflorus
Rubus (blackberry)
Rubus (dewberry) 3
Sambucus pubens 4
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 1
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Carex narrow 1234
Santolana latiflora 2
~~*Whorled leaves*~~ 2 *Lilium michiganense*
Lactuca can 3

HERB FREQUENCY

Tilia am 135
Acer sacch 1234

Actaea pachypoda
 Actaea rubra
 Adiantum pedatum
 Allium tricoccum
 Anemone quinquefolia
 Aquilegia canadensis
 Aralia nudicaulis
 Aralia racemosa
 Arisaema atrorubens
 Aster macrophyllus 1
 Aster sagittifolius 2
 Athyrium angustum
 Botrychium virginianum
 Brachyelytrum erectum
 Carex albursina
 Caulophyllum thalictroides
 Chimaphila umbellata
 Circaea alpina
 Circaea latifolia
 Clintonia borealis
 Coptis trifolia
 Corallorrhiza maculata
 Cornus alternifolia
 Cornus canadensis
 Cornus rugosa
 Corylus americana
 Corylus cornuta
 Cyrtopodium acaule
 Diervilla lonicera
 Dirca palustris
 Dryopteris linnaeana
 Dryopteris phegopteris
 Dryopteris spinulosa
 Epifagus virginiana
 Epigaea repens

Scutellaria lateriflora 2
Carex narrow 245
 ? *Poa pratensis* 3

NORTHERN PINE-HARDWOODS

Ostrya vir. 2345
Leonora Cord. 5

Fragaria virginiana
 Galium lanceolatum
 Galium triflorum
 Gaultheria procumbens
 Gaylussacia baccata
 Geranium maculatum
 Geum canadense
 Gnaphalium obtusifolium
 Helianthemum sp.
 Helianthus strumosus
 Hepatica acutiloba
 Hepatica americana 13
 Impatiens biflora
 Linnaea borealis
 Lonicera oblongifolia
 Lupinus perennis *canadensis* 2
 Lycopodium annotinum
 Lycopodium complanatum
 Lycopodium lucidulum
 Lycopodium obscurum
 Lysimachia quadrifolia
 Maianthemum canadense
 Mitchella repens
 Mitella diphylla
 Mitella nuda
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis
 Oryzopsis asperifolia
 Osmorhiza claytoni
 Oxalis montana
 Phryma leptostachya
 Polygala pauciflora
 Polygonatum commutatum
 Polygonatum pubescens 1

Stand No. 3571
 Quadrat No. 11-15

Potentilla simplex
 Prenanthes alba
 Pteridium aquilinum
 Pyrola elliptica
 Pyrola rotundifolia
 Pyrola secunda
 Ranunculus recurvatus
 Rhus radicans 2
 Ribes americanum
 Rosa sp. *cynosbati* 1
 Rubus parviflorus
 Rubus (blackberry)
 Rubus (dewberry)
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula gregaria
 Smilacina racemosa
 Smilacina stellata
 Smilax ecirrhata
 Solidago ulmifolia
 Streptopus roseus
 Taxus canadensis
 Thalictrum dioicum
 Trientalis borealis
 Trillium grandiflorum
 Uvularia grandiflora
 Uvularia sessilifolia
 Vaccinium angustifolium
 Vaccinium pennsylvanicum
 Viburnum acerifolium 5
 Viola canadensis
 Viola cucullata
 Viola pallens
 Viola pubescens
 Waldsteinia fragarioides

HERB FREQUENCY

✓ *Tilia am* 13
 ✓ *Americus mbrq* 1

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus 14
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa
Epifagus virginiana
Epigaea repens

Lactuca can 1
Ra 1

NORTHERN PINE-HARDWOODS

✓ *Frax am* 125
 ✓ *Crataegus* 12

Fragaria virginiana
Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana 4
Impatiens biflora
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis *canadensis* 3
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 5
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 45

Carex narrow 34

Stand No. 3571
 Quadrat No. 16-20

✓ *Gen cacc* 123
 ✓ *Prunus m* 4
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp. *argentea* 5
Rubus parviflorus
Rubus (blackberry)
Rubus (dewberry)
Sambucus pubens 1
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium 5
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3571

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

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3571

Stand No. 3571

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

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3571

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

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3571

[illegible]

[illegible]

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Trientalis borealis	✓						✓															1
Trillium cernuum																						
Trillium grandiflorum	✓																					
Uvularia grandiflora	✓																					
Uvularia sessilifolia																						
Vaccinium angustifolium																						
Vaccinium myrtilloides																						
Veronicastrum virginicum																						
Viburnum acerifolium	✓															✓					✓	2
Viburnum rafinesquianum																						
Viburnum lentago																						
Viola adunca																						
Viola blanda																						
Viola canadensis																						
Viola conspersa																						
Viola cucullata																						
Viola pensylvanica																						
Viola incognita																						
Viola pallens																						
Viola pubescens	✓				✓	✓																2
Viola renifolia																						
Vitis aestivalis																						
Vitis riparia	✓																					
Waldsteinia fragarioides																						
Xanthoxylum americanum	✓																					
Zizia aurea																						
Additional species:																						
Ciana arundinacea	✓																					
Lychnis alba	✓																					
Drabio canadense	✓																					
Caryx spp.	✓																					
Poa pratensis	✓													✓		✓						2

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3571

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

✓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 circaezans
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

3571

Melampyrum lineare
 Mitchella repens
 Mitella diphylla
 Mitella nuda
 Monarda fistulosa
 Moneses uniflora
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis
 Oryzopsis asperifolia
 ✓ Osmorhiza claytoni
 Osmunda cinnamomea
 Osmunda claytoniana
 Oxalis montana
 ✓ Panax quinquefolia
 Parietaria pennsylvanica
 Parthenocissus vitacea
 Pedicularis lanceolata
 Phyrma leptostachya
 ✓ Podophyllum peltatum
 Polemonium reptans
 Polygala pauciflora
 Polygonatum commutatum
 ✓ Polygonatum pubescens
 Potentilla simplex
 ✓ Prenanthes alba
 Pteretis nodulosa
 Pteridium aquilinum

Pyrola elliptica
 Pyrola rotundifolia
 Pyrola secunda
 Ranunculus abortivus
 Ranunculus recurvatus
 Ranunculus septentrionalis
 ✓ Rhus radicans
 Rhus typhina
 Ribes americanum
 Ribes cynosbati
 Ribes lacustre
 Ribes triste
 Rubus idaeus
 Rubus parviflorus
 Rubus hispidus
 ✓ Rubus - blackberry
 ✓ Rubus - dewberry
 ✓ Rubus - raspberry
 ✓ Sambucus canadensis
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula gregaria
 Schizachne purpurascens
 ✓ Scutellaria lateriflora
 Shepherdia canadensis
 Smilacina racemosa
 Smilacina stellata
 Smilax ecirrhata

✓ Smilax herbacea
 Smilax hispida
 Solidago latifolia
 Solidago ulmifolia
 Streptopus amplexifolius
 Streptopus roseus
 Taxus canadensis
 ✓ Thalictrum dioicum
 Tiarella cordifolia
 Trientalis borealis
 Trillium cernuum
 ✓ Trillium grandiflorum
 ✓ Uvularia grandiflora
 Uvularia sessilifolia
 Vaccinium angustifolium
 Vaccinium pennsylvanicum
 Viburnum acerifolium
 Viburnum affine
 Viburnum lentago
 Viola canadensis
 Viola cucullata
 Viola incognita
 Viola pallens
 Viola pubescens
 Vitis aestivalis
 ✓ Vitis riparia
 Waldsteinia fragarioides
 Zanthoxylum americanum

Additional Species:

Prickly ash

Carex narrow

3 Salix ~~hispida~~ concinnia

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3571

Quadrat No. 1-5

Actaea pachypoda

Actaea rubra .

Adiantum pedatum

Allium tricoccum

Anemone quinquefolia 4

Aquilegia canadensis

Aralia nudicaulis

Aralia racemosa

Arisaema atrorubens 35

Aster macrophyllus

Aster sagittifolius

Athyrium angustum

Botrychium virginianum

Brachyelytrum erectum

Carex albursina

Caulophyllum thalictroides 35

Chimaphila umbellata

Circaea alpina 35

Circaea latifolia

Clintonia borealis

Coptis trifolia

Corallorrhiza maculata

Cornus alternifolia

Cornus canadensis

Cornus rugosa

Corylus americana

Corylus cornuta

Cypripedium acaule

Diervilla lonicera

Dirca palustris

Dryopteris linnaeana

Dryopteris phegopteris

Dryopteris spinulosa 4

Epifagus virginiana

Epigaea repens

Scut. lat. 1

Carex nanou 2

Podophyllum 5

Fragaria virginiana

Galium lanceolatum

Galium triflorum

Gaultheria procumbens 5 concinnum

Gaylussacia baccata

Geranium maculatum

Geum canadense

Gnaphalium obtusifolium

Helianthemum sp.

Helianthus strumosus

Hepatica acutiloba

Hepatica americana 12

Impatiens biflora

Linnaea borealis

Lonicera oblongifolia

Lupinus perennis

Lycopodium annotinum

Lycopodium complanatum

Lycopodium lucidulum

Lycopodium obscurum

Lysimachia quadrifolia

Maianthemum canadense 4

Mitchella repens

Mitella diphylla

Mitella nuda

Monotropa uniflora

Myrica asplenifolia

Onoclea sensibilis 5

Oryzopsis asperifolia

Osmorhiza claytoni 124

Oxalis montana

Phryma leptostachya

Polygala pauciflora

Polygonatum commutatum

Polygonatum pubescens 2

Panax quinquefolia 3

Lactuca Can - 5

Potentilla simplex

Prenanthes alba

Pteridium aquilinum

Pyrola elliptica

Pyrola rotundifolia

Pyrola secunda

Ranunculus recurvatus

Rhus radicans

Ribes americanum

Rosa sp. cynobati 1

Rubus parviflorus

Rubus (blackberry)

Rubus (dewberry)

Sambucus pubens 15

Sanguinaria canadensis

Sanicula gregaria

Smilacina racemosa

Smilacina stellata

Smilax ecirrhata

Solidago ulmifolia

Streptopus roseus

Taxus canadensis

Thalictrum dioicum

Trientalis borealis

Trillium grandiflorum

Uvularia grandiflora

Uvularia sessilifolia

Vaccinium angustifolium

Vaccinium pennsylvanicum

Viburnum acerifolium

Viola canadensis

Viola cucullata

Viola pallens

Viola pubescens 45

Waldsteinia fragarioides