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Site 3573: Manitowoc County, Township 17N, Range 21E, Section 20. 1953-06-23

[s.l.]: [s.n.], 1953-06-23

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Data Form No. 20 | Plant Ecology Research | Univ. of Wisconsin

STAND RECORD | **FORESTS** | **Stand No.** 3573

Name:
Locality:
County: Manitowoc
T: 17N R: 21E Sec: 20
Date: 6-23-53
Observers: Christensen
2 points
Size of Stand:
Size of Area Sampled: 2 ○ quad.
Forest Type: White cedar
Soil Type:
Topography: lowland, flat, somewhat boggy
Slope:
Directions

Condition of Stand:
A second growth stand with some more recent cuttings in spots. These areas were skipped in sampling. Some blowdown of big white cedars.
Deer winter in this general area. Two deer runs were observed, but no tracks. No evidence of deer damage.

Open Grown Trees:
% Canopy:

Stumps:

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

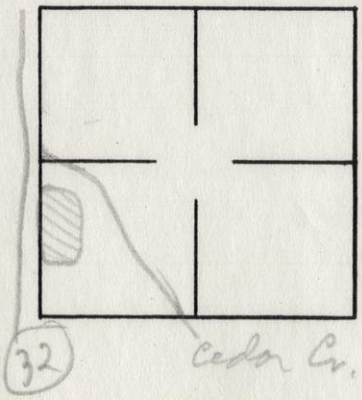
Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.		
Ao											
A1											
A2											
B											

	DEPTH	CHARACTERISTICS (Color, Texture, Structure, etc.)
Ao		
A1		
A2		
B		

Parent Material:
X = browse presence

Map:



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Data Form No. 16 | Plant Ecology Research | University of Wisconsin

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3573

TREE	# PTS	# TRS	DOM. CLASSES -80	-320	321	TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F.TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.	Lowland J.T.C.
Abies bals	6	7	7			169	13	18.06	30	30.0	16.67	8.75	7.09	32.51	97.53	146.29
Acer rubru									10							
A. sacchar																
A. spicatu																
Betula lut							1	1.39	5							
B. papyrif	2	2	2			66				10.0	5.56	2.50	2.77	10.83	48.74	54.14
Carpinus c																
Fagus gran																
Ostrya vir																
Picea glau																
Pinus Bank																
P. resinos																
P. Strobus																
Populus ba																
P. grandid																
P. tremulo																
Prunus pen																
Quercus el																
Q. rubra																
Tilia amer																
Tsuga cana																
33.38 Thuja occi	20	61	60	1		2036	54	75.00	20	100	55.56	76.25	85.44	217.25	434.50	868.00
Ulmus amer	1	1	1			28			5	5.0	2.78	1.25	1.17	5.20	26.00	28.60
U. fulva																
Larix	6	8	8			71	2	2.78		30.0	16.67	10.00	2.98	29.65	29.65	29.65
Fraxinus	1	1	1			13	1	1.39		5.0	2.78	1.25	0.54	4.57	21.02	22.85
Salix							1	1.39								
	36	80	79	1		2383	72	100.01			100.02	100	99.99	300.01	657.44	1150.53

AVE. DIST. BTW'N TREES: | AVE B. A.: 29.79 | # TREES/ACRE: | DOM./ACRE:

Data Form No. 16 Plant Ecology Research University of Wisconsin

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3579

TREE	# PTS	# TRS.	DOM. CLASSES -80	-320	321	TOT. DOM.	# BAP	O. % BAP	F. % SOL.	F. % TRS.	% SUM F. TR.	O. % TRS.	DOM% TRS.	DFD INDEX	C. I.
Abies bals	6	7	2			169	13	16.04	30	80.0	46.67	8.75	7.14	32.51	92.23
Acer rubru									10						
A. saccbar															
A. spicatu															
Betula lut							1	1.39	5						
B. papyrif	2	2	2			66				40.0	5.56	2.50	8.17	10.83	54.14
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinos															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi	20	21	20	1		203	20	100.00	20	100.0	100.0	12.5	21.25	33.38	—
Ulmus amer	1	1	1			98			5	5.0	3.78	1.25	1.17	5.40	
U. fulva															
[illegible]	5	8	8			71	2	2.78		20.0	16.67	2.78	2.65	24.45	
[illegible]	1	1	1			73	1	1.39		5.0	3.26	1.25	1.37	6.52	
[illegible]							1	1.39							
[illegible]	36	80	74	1		235	72	100.01		180.0	106	72.09	100.01	252.09	

AVE. DIST. BTW'N TREES: AVE B. A.: # TREES/ACRE: DOM./ACRE:

Data Form No. 19 | Plant Ecology Research | Univ. of Wisconsin

POINT RECORD TREES | NORTHERN PINE-HARDWOODS | Stand No. 3573

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

26/1081

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POINT RECORD TREES | NORTHERN PINE-HARDWOODS | Stand No. 35 73

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam					X			X	X	1
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	4 7	4 4	8 5	7 7	9 6	5 5	5 5	5 7	7	4 7
Thuja occ	4 7	X 6 7	X 7 3	X 6 4	X 5 5	X 4 4	X 5 4	X 4 4	X 10 7	X 10 5	X 3
Ulmus amer										
U. fulva										
Cornus stolon		X				X			X	
Salix		1		X						
Lonicera			9		7	5		X	7 8	X
R. Rhamnus aln										
Distance										

35
1018

6

Cedrus						X	X			
Cornus alt.								X		
Fraxinus nigra									X	

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HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3573
Quadrat No. 1-5

Thuja 2
Abies 3
Ulmus am. 4

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 45
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis
Coptis trifolia 5
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 2
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 45
Epifagus virginiana
Epigaea repens

Aster latiflora 245

Fragaria virginiana
Galium lanceolatum
Galium triflorum 245
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis 145
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 1245
Mitchella repens
Mitella diphylla
Mitella nuda 1245
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

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) 25
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 4
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Viola incognita 3

Chelone glabra
~~elong. leaves~~ 1
Cornus stolon. 125
Ledum groen. 1
Aster puncens 2

~~spp elliptical~~ 2
Carex narrow 34
Carex trispenna 5

Lysimachia thyrsiflora

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HERB FREQUENCY | **NORTHERN PINE-HARDWOODS** | Stand No. 3573

Quadrat No. 6-10

✓abies 15
✓Thuja 3
✓Betula luted 5

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens 4
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 145
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia 25
Cornus canadensis 12
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa
Epifagus virginiana
Epigaea repens

Fragaria virginiana
Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis 2345
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 145
Mitchella repens
Mitella diphylla
Mitella nuda 12345
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

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) 124
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
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Eupatorium mac. 1
Rhamnus aln 1
Skunk cabbage 1
aster puniceus 1

Carex trisperma 245
Ledum groen 24
Osmunda cinn 2
Cornus stolonifera 2

Vaccinium ang. 3
Lycopus am 4

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HERB FREQUENCY | **NORTHERN PINE-HARDWOODS** | Stand No. 3573

Quadrat No. 11-20

~~Abies bal.~~ 124 ✓ Acer rubrum 49

✓ Thuja 1 (10)

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia 2
Aquilegia canadensis
Aralia nudicaulis 3 (10)
Aralia racemosa
Arisaema atrorubens
" catenulata 25
Aster macrophyllus
Aster sagittifolius
Athyrium angustum 7
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina 9
Circaea latifolia
Clintonia borealis 4
Coptis trifolia 3
Corallorrhiza maculata
Cornus alternifolia 3
Cornus canadensis 13
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 6
Epifagus virginiana
Epigaea repens

Fragaria virginiana
Galium lanceolatum
Galium triflorum 1259
Gaultheria procumbens 1
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora (10)
Linnaea borealis 12
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 123679
Mitchella repens
Mitella diphylla 7
Mitella nuda 12345678 (10)
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

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) 14 (10)
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 23457
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
" incognita 1 (10)
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Carex trisperma 1234
~~Opposite ellip.~~ 2
Carex narrow 349
Osmunda cin 4 (10)
Dryopteris cristata 7

Lysimach thyrsiflora

~~Chrogens~~ 3 Vaccinium oxycoccus
~~Thelie~~ 5 Carex mutica
Lycopus am (10)
Caltha pal. (10)
S cut. lat. (10)

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TABULATION FORM — NORTHERN PINE-HARDWOODS

Stand No. 3573

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 grypsosepala																							
Allium tricoccum																							
Alnus incana																							
Alnus rugosa																							
Amphicarpa bracteata																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia	✓												✓									1	
Antennaria sp.																							
Apocynum androsaemifoliu																							
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓		✓		✓	✓								✓							✓	5	
Aralia racemosa	✓																						
Arctostaphylos uva-ursi																							
Arisaema atrorubens	✓									✓												1	
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus	✓		✓		✓	✓							✓			✓						5	
Aster macrophyllus																							
Aster prenanthoides																							
Aster sagittifolius																							
Aster shortii																							
Aster umbellatus																							
Athyrium filix-femina	✓																	✓				1	
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefol																							
Botrychium virginianum	✓																						
Brachyelytrum erectum																							
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	✓																			✓		1	
Circaea quadrisulcata																							

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TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3573

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	✓						✓			✓	✓				✓							4	
Comandra richardsiana																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandica	✓					✓								✓								2	
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Coreopsis palmata																							
Cornus alternifolia	✓							✓			✓			✓								3	
Cornus canadensis	✓		✓				✓	✓				✓		✓								5	
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 bootti																							
Dryopteris cristata	✓																						
Dryopteris goldiana																							
Dryopteris disjuncta	✓																						
Dryopteris phegopteris																							
Dryopteris spinulosa	✓				✓	✓											✓					3	
Epifagus virginiana																							
Epigaea repens																							
Equisetum arvense	✓																						
Equisetum hyemale																							
Equisetum sylvaticum																							
Erigeron philadelphicum																							
Erythronium albidum																							
Erythronium americanum																							
Eupatorium rugosum																							
Festuca obtusa																							
Fragaria virginiana	✓																						

Data Form No. 23 Plant Ecology Research Univ. of Wisconsin

TABULATION FORM NORTHERN PINE-HARDWOODS Stand No. 3573

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	✓		✓		✓	✓						✓	✓			✓				✓		7	
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																							
Impatiens biflora	✓																				✓	1	
Impatiens pallida																							
Isopyrum biternatum																							
Krigia biflora																							
Lactuca canadensis	✓																						
Laportea canadensis																							
Lathyrus ochroleucus																							
Lathyrus venosus																							
Ledum groenlandicum	✓	✓						✓		✓												3	
Lilium michiganense																							
Linnaea borealis	✓	✓			✓	✓		✓	✓	✓	✓	✓	✓									9	
Lithospermum canescens																							
Lobelia inflata																							
Lonicera canadensis	✓																						
Lonicera hirsuta																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lupinus perennis																							
Luzula acuminata																							
Luzula multiflora																							

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TABULATION FORM NORTHERN PINE-HARDWOODS Stand No. 3573

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

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TABULATION FORM — NORTHERN PINE-HARDWOODS — Stand No. 3523

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																							
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																							
Rubus - dewberry	✓		✓			✓	✓	✓		✓		✓			✓						✓	8	
Rubus - raspberry	✓																						
Salix sp.	✓																						
Sambucus canadensis																							
Sambucus pubens																							
Sanguinaria canadensis																							
Sanicula gregaria																							
Sanicula marilandica																							
Schizachne purpurascens																							
Scutellaria lateriflora	✓																				✓	1	
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																							

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TABULATION FORM — NORTHERN PINE-HARDWOODS — Stand No. 3573

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	✓				✓								✓	✓	✓	✓		✓				6	
Trillium cernuum																							
Trillium grandiflorum																							
Uvularia grandiflora																							
Uvularia sessilifolia																							
Vaccinium angustifolium	✓								✓													1	
Vaccinium myrtilloides																							
Veronicastrum virginicum																							
Viburnum acerifolium																							
Viburnum rafinesquianum																							
Viburnum lentago	✓																						
Viola adunca																							
Viola blanda																							
Viola canadensis																							
Viola conspersa																							
Viola cucullata																							
Viola pensylvanica																							
Viola incognita	✓			✓								✓									✓	3	
Viola pallens																							
Viola pubescens																							
Viola renifolia																							
Vitis aestivalis																							
Vitis riparia	✓																						
Waldsteinia fragarioides																							
Xanthoxylum americanum																							
Zizia aurea																							
Additional species:																							
Habenaria sp.	✓																						
Hieracium aurantiacum	✓																						
Cypripedium sp.	✓																						
Achillea lanulosa	✓																						

TAPULATION FORM NORTHERN LOWLANDS STAND NO. 3523

Station No.	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Herbs																							
Agrostis alba																							
Agrostis perennans																							
Anaphalis margaritacea																							
Andromeda glaucophylla																							
Aquilegia canadensis																							
Arabis canadensis																							
Aster junciformis																							
Aster puniceus	✓		✓				✓															2	
Aster simplex																							
Betula pumila																							
Bidens cernua																							
Bidens frondosa																							
Calamagrostis canadensis	✓																						
Calla palustris																							
Caltha palustris	✓																				✓	1	
Campanula aparinoides																							
Cardamine pensylvanica																							
Carex spp.	✓																						
Carex trisperma	✓							✓		✓	✓											3	
Chamaedaphne calyculata																							
Chelone glabra	✓	✓																				1	
Chrysosplenium americanum																							
Cicuta bulbifera																							
Cinna arundinacea																							
Cirsium arvense																							
Cirsium muticum	✓															✓						1	
Clematis virginiana	✓																						
Cornus racemosa																							
Cornus stolonifera	✓	✓	✓			✓		✓														4	
Cynoglossum boreale																							
Drosera rotundifolia																							
Dryopteus linnaeana																							
Echinocystis lobata	✓																						
Epilobium angustifolium																							
Epilobium glandulosum																							
Epilobium leptophyllum																							

TABULATION FORM NORTHERN LOWLANDS STAND NO. 3573

Station No.	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Herbs																							
Eriophorum spp.	✓																						
Eupatorium maculatum	✓	✓					✓															1	
Eupatorium perfoliatum																							
Galium trifida	✓							✓			✓											2	
Gaultheria procumbens	✓											✓										1	
Geum aleppicum																							
Geum laciniatum																							
Glyceria canadensis																							
Glyceria striata																							
Habenaria clavellata																							
Helianthus tuberosa																							
Heracleum maximum																							
Humulus lupulus																							
Hypericum virginicum																							
Iris virginica	✓																						
Lychnis alba																							
Lysimachia terrestris																							
Lysimachia thyrsifolia	✓		✓										✓									2	
Mentha arvensis																							
Muhlenbergia mexicana																							
Oenothera biensis																							
Pedicularis canadensis																							
Phleum pratense																							
Poa palustris																							
Poa pratensis																							
Polygonum arifolium																							
Polygonum cilinode																							
Polygonum sagitatum																							
Potentilla norvegica																							
Potentilla palustris																							
Ranunculus acris																							
Ranunculus flabellaris																							
Ranunculus repens																							
Ranunculus sclereratus																							
Rhamnus olnifolia	✓						✓															1	
Rhus vernix																							

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3573

Station No.	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Herbs:																							
Ribes hirtellum																							
Ribes hudsonianum																							
Rudbeckia laciniata																							
Rumex acetosella																							
Rumex Britanica	✓																						
Saxifraga pensylvanica																							
Scirpus atrovivens																							
Scirpus cyperinus																							
Scirpus lineatus																							
Scrophularia marilandica																							
Scutellaria epilobiifolia																							
Sium suave																							
Smilacina trifolia																							
Solanum nigrum																							
Solidago altissima																							
Solidago gigantea																							
Solidago graminifolia																							
Solidago patula																							
Solidago uliginosa																							
Stachys polustris																							
Stellania calycantha																							
Symplocarpus foetidus	✓						✓															✓	
Taraxacum officinale																							
Trifollium repens																							
Typha latifolia																							
Urtica dioica																							
Vaccinium oxycoccus	✓													✓								✓	
Viola eriocarpa																							

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PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3573

Abies balsamea
Acer rubrum seedling
Acer saccharum
Acer spicatum
Amelanchier sp.
Betula lutea
Betula papyrifera seedling
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 seedling
Sorbus decora
Thuja occidentalis
Tilia americana
Tsuga canadensis
Ulmus americana
Ulmus fulva
Picea mariana

HERBS AND SHRUBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Agrimonia grypsosepala
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

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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:

Wild cucumber
aster puniceus
skunk cabbage
Caltha palustris
Calamagrostis canadensis
Carex narrow
Yellow lady slipper
Vaccinium angustifolium
Carex trisperma
Dryopteris cristata
Eupatorium maculatum
Osmunda regalis
Eriophorum
Iris virginica
Rhamnus alnifolia
~~Thistle~~ Cirsium muticum
Yarrow
Rumex Brittanica
Vaccinium oxycoccos