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Site 3596: Washburn County, Township 41N, Range 12W, Section 10. 1953-07-20

[s.l.]: [s.n.], 1953-07-20

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Yard

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Yard Stand No. 3596

Name:

County: Washburn,

Date: 7-20-53

Size of Stand:

Forest Type:

Topography: streamside - swampy.
standing water in spots.

Condition of Stand:

Some cutting in spots. Stand is rather open in spots with young trees. Older trees and with more closed canopy in most places.

A moderately to heavily used yard. All balsams highbush. Other browse used uniformly. Use appears heavier in past years. Some summer leaf browsing of deer speculum.

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

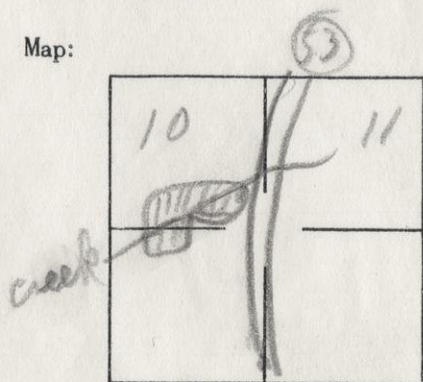
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

X = browse presence

Map:



Northern Pine-Hardwoods

Station Number: 3596

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	9	11	11			299	13	8.13	5	22.5	9.78	6.88	3.70	20.36	61.08	91.62
Acer rubru	9	13	12	1		396	11	6.88	10	22.5	9.78	8.13	4.90	22.81	159.67	136.86
A. sacchar							2	1.25								
A. spicatu									25							
Betula lut	9	12	8	4		990	6	3.75		22.5	9.78	7.50	12.25	29.53	191.95	221.47
B. papyrif	4	5	5			222	1	0.63	5	10.0	4.35	3.13	2.75	10.23	46.04	230.20
Carpinus c																
Fagus gran																
Ostrya vir																
Picea glau																
Pinus Bank																
P. resinosa																
P. Strobus																
Populus ba																
P. grandid																
P. tremulo																
Prunus pen																
Quercus el																
Q. rubra																
Tilia amer	1	1	1			20	1	0.63		2.5	1.09	0.63	0.25	1.97	13.79	16.74
→ Salix Tsuga cana							2	1.25								
Thuja occi	4	7	7			182				10.0	4.35	4.38	2.25	10.98	21.96	43.92
Ulmus amer	29	62	45	17		4252	26	16.25	10	72.5	31.52	38.75	52.62	122.89	614.45	675.89
→ Prunus pen U. fulva							1	0.63	5							
Picea ma									5							
Frag. nig	27	49	46	3		1720	91	56.88	45	67.5	29.35	30.63	21.28	81.26	365.67	406.30
Alnus nig							6	3.75	5							
	92	160	135	25		8081	160	100.03			100	100.03	100	300.03	1474.61	1823.0

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

50.51

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3596

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	6	X		5	7					
Acer rubrum	7	X		X	2		X			
A. sacchar.					X		X			
A. spicatum										
Betula lut.		6	1	7						
B. papyrif	7	4	1	10	9	X				
Carpinus car					6					
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										
Thuja occ	7	5	5	6						
Ulmus amer			5	X	4	5	14		18	13
U. fulva						1	16		16	
Picea mar	X									
Cornus stolon	X									
Alnus	14		X	X			X			
Rasp	X	X	X	X	X	X	X	X	X	
Distance										

over

1	2	3	4	5	6	7	8	9	10
<i>Alex</i>	X								
<i>Hemokathus</i>	X	X							
<i>Ribes mite</i>	X	X	X						
<i>Trax nigra</i>	X	4	2	X	1	5	3	17	4
<i>Lon. obl.</i>	X	X	X	X	X	5	3	54	4
<i>Pharmanus</i>	X	X	X	X	X	X	X	13	X
<i>Salix</i>	X	X	X	X	X	X	X	10	4
<i>Ribes lac.</i>	X	X	X	X	X	X	X	7	4
<i>Corylus com</i>	X	X	X	X	X	X	X	7	4
<i>Prunus vir</i>	X	X	X	X	X	X	X	7	4
STATION NO.	1	2	3	4	5	6	7	8	10

POINT RECORD 1968

NORTHERN PINE-HARDWOODS

STATION NO.

DATA FORM NO. 10

WILSON ECOLOGY RESEARCH

UNIV. OF WISCONSIN

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3596

STATION NO.	1	2	3	4	5	6	7	8 ^{more}	9	10
<i>Abies balsam</i>	5		1		1					6
<i>Acer rubrum</i>				X						
<i>A. sacchar.</i>										
<i>A. spicatum</i>	X				X	X			X	
<i>Betula lut.</i>					X				2	
<i>B. papyrif</i>										
<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>										
<i>Prunus pen.</i>										
<i>Quercus ell</i>										
<i>Q. rubra</i>										
<i>Tilia amer</i>										
<i>Tsuga can</i>										
<i>Thuja occ</i>						(4)	(14)	(7)	(5)	(5)
<i>Ulmus amer</i>	13 13	9		4 9	9	16 15	14 6	11 13	79	7 7
<i>U. fulva</i>										
<i>Frax nigra</i>	5	7	4	4	3	4	3	4	7	4
<i>Corylus com</i>	X	7	10	X	X	X	X	X	X	X
<i>Rasp</i>	X	X		X	X		X		X	
Distance										

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3596

STATION NO.	21	2	3	4	5	6	7	8	9	10
<i>Abies balsam</i>		6 7	4 5	3 7				1 5	1 7	
<i>Acer rubrum</i>			X					2 5	5 7	1 5
<i>A. sacchar.</i>						2				
<i>A. spicatum</i>	X	X	X	X	X	X	X	X		
<i>Betula lut.</i>	7		14				1			14 1
<i>B. papyrif</i>										
<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>										
<i>Prunus pen.</i>										
<i>Quercus ell</i>										
<i>Q. rubra</i>										
<i>Tilia amer</i>										
<i>Tsuga can</i>										
<i>Thuja occ</i>	(8)		(9)	(5)		(8)				
<i>Ulmus amer</i>	(3)	13 8	3	X 2	8 7	7 1	11 10	2 2	11	7 6
<i>U. fulva</i>										
<i>Frax. nigra</i>	5	X 3	X 7	X 6	4 12	X 1	4 5	X 1	6 7	3 2
<i>Corylus com</i>		X	X	X	X	X	X	X	X	X
<i>Rasp</i>		X	X	X	X	X	X	X	X	X
Distance										

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3596

STATION NO.	31	2	3	4	5	6	7	8	9	10
Abies balsam							X	6		1
Acer rubrum	{ 4 11 5	3 5		5	1	6	2		6	
A. sacchar.										
A. spicatum					X	X	X	X	X	X
Betula lut.	11		X		9 14	16	15 4 13 27			
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau						X				
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer								5		
Tsuga can										
Thuja occ										
Ulmus amer	1	{ 7 5 4	X	6	9	7	X			9 14
U. fulva										
Frax. nigra		X	{ 6 5 1	X	5	12	2	5	2	5 7
Corylus			{ 6 5 7	4						{ 4 5 7
Rosp	X	X	X	X				X	X	X
Distance										

over

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3596
Quadrat No. 1-5

Picea mar 1
Acer rubrum 2
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 3
Aralia racemosa
Arisaema atrorubens 5
Aster latifolius 3
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina 5
Circaea latifolia
Clintonia borealis
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 1
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 5
Epifagus virginiana
Epigaea repens

lupinus 3
Traxnigay 123
Fragaria virginiana
Galium lanceolatum
Galium triflorum 24
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora 45
Linnaea borealis
Lonicera oblongifolia 34
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 5
Mitchella repens
Mitella diphylla
Mitella nuda 25
Monotropa uniflora
Myrica asplenifolia
Oncoclea sensibilis 2
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

Bet. pop 5
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) 13345
Sambucus pubens 12345
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

Ledum groen 12
Calamagrostis 134
Ilex 1
Lycopodium am 13
Rhamnus 24
Carex lasiocarpa 2
Aster punctatus 23

Equisetum arvense 2
Lactuca can 2
Eupatorium 3
Solidago ulmifolia
Osmunda cinn 3
Dryopteris cristata
Carex marian 5

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3596
Quadrat No. 6-10

~~Frax nigra~~ 124
~~Acer rubrum~~ 2
 Actaea pachypoda
 Actaea rubra
 Adiantum pedatum
 Allium tricoccum
 Anemone quinquefolia
 Aquilegia canadensis
 Aralia nudicaulis
 Aralia racemosa
 Arisaema atrorubens
 Aster ~~latifolius~~ 134
 Aster macrophyllus
 Aster sagittifolius
 Athyrium angustum
 Botrychium virginianum
 Brachyelytrum erectum 1
 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 1
 Cypripedium acaule
 Diervilla lonicera
 Dirca palustris
 Dryopteris linnaeana
 Dryopteris phegopteris
 Dryopteris spinulosa 15
 Epifagus virginiana
 Epigaea repens
~~Epigaea repens~~
~~yellow, round, can~~ 1
 Lycopodium 125
 Carex triperfora 13
 Parthenocissus 1234
 Lactuca 1
 Oryzopsis cretata 1
 Silene ~~latifolia~~ 2345

Fragaria virginiana 1
 Galium lanceolatum
 Galium triflorum 124
 Gaultheria procumbens
 Gaylussacia baccata
 Geranium maculatum
 Geum canadense 4
 Gnaphalium obtusifolium
 Helianthemum sp.
 Helianthus strumosus
 Hepatica acutiloba
 Hepatica americana
 Impatiens biflora
 Linnaea borealis
 Lonicera oblongifolia 1
 Lupinus perennis
 Lycopodium annotinum
 Lycopodium complanatum
 Lycopodium lucidulum
 Lycopodium obscurum
 Lysimachia quadrifolia
 Maianthemum canadense 1
 Mitchella repens
 Mitella diphylla
 Mitella nuda 1
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis 3
 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) 1234
 Sambucus pubens 3
 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 145
 Viola pubescens
 Waldsteinia fragarioides

Carex nanou 1
 alnus 2
 Carex ~~nuttalliana~~ 245
 Hamulus like 3
 Scutellaria lat 3
 Calamagrostis can 4
 Viola ~~sp.~~ 3
 enocarpa
 Viola conspersa

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3596
Quadrat No. 11-15

Fragaria virginiana 4
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 4
Aralia racemosa
Arisaema atrorubens 12
Aster macrophyllus 24
Aster sagittifolius
Athyrium angustum 125
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
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
Epifagus virginiana
Epigaea repens
Ilex 1
Lactuca 12
Carex broad 234
Calamagrostis 1235
Carex narrow 14
Glyceria 1345

Ulmus am 4
Acer spic. 5
Fragaria virginiana
Galium lanceolatum
Galium triflorum 3
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense 4
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora 1245
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 15
Mitchella repens
Mitella diphylla
Mitella nuda 5
Monotropa uniflora
Myrica asplenifolia
Oncoclea sensibilis 1
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens
Bromus pumilus
Cinna 25
Mimulus-like 3
Lycopodium am 35
Scutellaria lat 35
Scutellaria sp. 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) 124
Sambucus pubens 245
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 13
Viola pubescens
Waldsteinia fragarioides
Viola hirs 3 *anocarpa*
Parthenocissus 4
Carex intum. 4
Polygonum citr. 7

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3596
Quadrat No. 16-20

✓ *Fragaria virginiana* 134
 ✓ *Actaea pachypoda* 45
 Actaea rubra
 Adiantum pedatum
 Allium tricoccum
 Anemone quinquefolia
 Aquilegia canadensis
 Aralia nudicaulis 5
 Aralia racemosa
 Arisaema atrorubens 1
 Aster macrophyllus
 Aster sagittifolius 12345
 Athyrium angustum 5
 Botrychium virginianum
 Brachyelytrum erectum 2
 Carex albursina
 Caulophyllum thalictroides
 Chimaphila umbellata
 Circaea alpina 14
 Circaea latifolia
 Clintonia borealis
 Coptis trifolia
 Corallorrhiza maculata
 Cornus alternifolia
 Cornus canadensis
 Cornus rugosa
 Corylus americana
 Corylus cornuta
 Cyripedium acaule
 Diervilla lonicera
 Dirca palustris
 Dryopteris linnaeana
 Dryopteris phegopteris
 Dryopteris spinulosa 34
 Epifagus virginiana
 Epigaea repens

Fragaria virginiana 4
 Galium lanceolatum
 Galium triflorum 234
 Gaultheria procumbens
 Gaylussacia baccata
 Geranium maculatum
 Geum canadense
 Gnaphalium obtusifolium
 Helianthemum sp.
 Helianthus strumosus
 Hepatica acutiloba
 Hepatica americana
 Impatiens biflora 12
 Linnaea borealis
 Lonicera oblongifolia
 Lupinus perennis
 Lycopodium annotinum
 Lycopodium complanatum
 Lycopodium lucidulum
 Lycopodium obscurum
 Lysimachia quadrifolia
 Maianthemum canadense 12
 Mitchella repens
 Mitella diphylla
 Mitella nuda
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis 5
 Oryzopsis asperifolia
 Osmorhiza claytoni 5
 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. 4
 Rubus parviflorus
 Rubus (blackberry)
 Rubus (dewberry) 45
 Sambucus pubens 245
 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 1
 Viola cucullata 25
 Viola pallens
 Viola pubescens
 Waldsteinia fragarioides

✓ *Glyceria striata* 1234
 ✓ *Polygonatum cil.*
 ✓ *Sent. lat.* 123
 ✓ *Nettle stipul.* 12
 ✓ *Carex lupulina* 25
 ✓ *Carex broad* 2

✓ *Calamagrostis* 2
 ✓ *Osmunda cinn.* 2
 ✓ *Portulaca* 25
 ✓ *M. similis* like 2
 ✓ *Dryopteris erectata* 345
 ✓ *Carex nanus* 35

✓ *Lycopodium am* 5

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3596

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																							
Antennaria sp.																							
Apocynum androsaemifolium																							
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓			✓																			/
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arisaema atrorubens	✓					✓																	/
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus	✓			✓																			/
Aster macrophyllus																							
Aster prenanthoides																							
Aster sagittifolius																							
Aster shortii																							
Aster umbellatus																							
Athyrium filix-femina	✓																						
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefolium																							
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	✓					✓																	/
Circaea quadrisulcata																							

TABULATION FORM

Univ. of Wisconsin

Stand No. 3596

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>																						
<i>Comandra richardsiana</i>																						
<i>Comptonia peregrina</i>																						
<i>Convolvulus spithameus</i>																						
<i>Coptis groenlandica</i>																						
<i>Corallorhiza maculata</i>																						
<i>Corallorhiza striata</i>																						
<i>Corallorhiza trifida</i>																						
<i>Coreopsis palmata</i>																						
<i>Cornus alternifolia</i>																						
<i>Cornus canadensis</i>	✓	✓																				1
<i>Cornus foemina</i>																						
<i>Cornus rugosa</i>																						
<i>Corydalis</i> sp.																						
<i>Corylus americana</i>																						
<i>Corylus cornuta</i>	✓																					
<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>																						
<i>Dirca palustris</i>																						
<i>Dryopteris bootii</i>																						
<i>Dryopteris cristata</i>	✓				✓		✓											✓	✓	✓	✓	5
<i>Dryopteris goldiana</i>																						
<i>Dryopteris disjuncta</i>																						
<i>Dryopteris phegopteris</i>																						
<i>Dryopteris spinulosa</i>	✓					✓																1
<i>Epifagus virginiana</i>																						
<i>Epigaea repens</i>																						
<i>Equisetum arvense</i>	✓		✓																			1
<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>	✓	✓	✓		✓																	3

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3596

ADDITIONAL FORM																						
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	✓				✓	✓																2
Impatiens pallida																						
Isopyrum biternatum																						
Krigia biflora																						
Lactuca canadensis	✓		✓				✓					✓	✓									4
Laportea canadensis																						
Lathyrus ochroleucus																						
Lathyrus venosus																						
Ledum groenlandicum	✓	✓	✓																			2
Lilium michiganense																						
Linnaea borealis																						
Lithospermum canescens																						
Lobelia inflata																						
Lonicera canadensis	✓	✓																				1
Lonicera hirsuta																						
Lonicera oblongifolia	✓			✓	✓																	2
Lonicera prolifera																						
Lupinus perennis																						
Luzula acuminata																						
Luzula multiflora																						

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>																						
<i>Lycopodium clavatum</i>																						
<i>Lycopodium complanatum</i>																						
<i>Lycopodium lucidulum</i>																						
<i>Lycopodium obscurum</i>																						
<i>Lycopodium tristachyum</i>																						
<i>Lycopus americanus</i>	✓	✓		✓			✓	✓			✓			✓		✓				✓		8
<i>Lycopus uniflorus</i>																						
<i>Lysimachia ciliata</i>																						
<i>Lysimachia quadrifolia</i>																						
<i>Maianthemum canadense</i>	✓					✓																1
<i>Malaxis unifolia</i>																						
<i>Medeola virginiana</i>																						
<i>Melampyrum lineare</i>																						
<i>Menispermum canadense</i>																						
<i>Milium effusum</i>																						
<i>Mitchella repens</i>																						
<i>Mitella diphylla</i>																						
<i>Mitella nuda</i>	✓		✓			✓																2
<i>Monarda fistulosa</i>																						
<i>Moneses uniflora</i>																						
<i>Monotropa hypopithys</i>																						
<i>Monotropa uniflora</i>																						
<i>Nemopanthus mucronata</i>	✓																					
<i>Onoclea sensibilis</i>	✓		✓																			1
<i>Orchis spectabilis</i>																						
<i>Oryzopsis asperifolia</i>																						
<i>Oryzopsis racemosa</i>																						
<i>Osmorhiza claytoni</i>	✓																					
<i>Osmunda claytoniana</i>																						
<i>Osmunda cinnamomea</i>	✓			✓														✓				2
<i>Osmunda regalis</i>	✓																					
<i>Oxalis montana</i>																						
<i>Panax quinquefolius</i>																						
<i>Panax trifolius</i>																						
<i>Panicum latifolium</i>																						
<i>Parietaria pensylvanica</i>																						
<i>Parthenocissus inserta</i>	✓	✓	✓	✓	✓										✓			✓		✓		7
<i>Pedicularis lanceolata</i>																						
<i>Phlox divaricata</i>																						
<i>Phlox pilosa</i>																						
<i>Phyrma leptostachya</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>	✓																					
<i>Polypodium virginianum</i>																						
<i>Potentilla arguta</i>																						
<i>Potentilla simplex</i>	✓																					

[illegible]

NORTHERN PINE-HARDWOODS

[illegible]

TABULATION FORM

NORTHERN LOW LANDS

STAND NO. 3596

[illegible]

STAND NO. 3596

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																						
Gaultheria procumbens																						
Geum aleppicum																						
Geum laciniatum																						
Glyceria canadensis																						
Glyceria striata	✓							✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		12
Habenaria clavellata																						
Helianthus tuberosa																						
Heracleum maximum																						
Humulus lupulus																						
Hypericum virginicum																						
Iris virginica																						
Lychnis alba																						
Lysimachia terrestris																						
Lysimachia thyrsifolia																						
Mentha arvensis																						
Muhlenbergia mexicana																						
Oenothera biensis																						
Pedicularis canadensis																						
Phleum pratense																						
Poa palustris																						
Poa pratensis																						
Polygonum arifolium																						
Polygonum cilinode	✓														✓		✓					2
Polygonum sagitatum	✓																					
Potentilla norvegica																						
Potentilla palustris																						
Ranunculus acris																						
Ranunculus flabellaris																						
Ranunculus repens																						
Ranunculus sclereratus																						
Rhamnus olnifolia	✓		✓		✓																	2
Rhus vernix																						

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3596

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3596

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

~~Fraxinus pennsylvanica~~
~~Juglans cinerea~~
~~Larix laricina~~
~~Ostrya virginiana~~
~~Picea glauca~~ seedling
~~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~~

~~Picea mar~~

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~~

3596

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
Pteretis nodulosa	Smilacina stellata	Waldsteinia fragarioides
Pteridium aquilinum	Smilax ecirrhata	Zanthoxylum americanum

Additional Species:

~~Thistle~~ Cirsium muticum
 Orchid (Habenaria bract?)
 Chelone glabra
 Eupatorium maculatum
~~Aster~~ Solidago uliginosa
~~Potentilla alba~~ simplex
 Osmunda regalis
~~Fern~~ Polygonum sagittatum
 Carex intumescens
 Bry. drooping sedge
 Eriophorum - leptophyllum
 Caltha palustris
 Iris vir.
 Polygonum cilioides
~~Helle~~ Urtica dioica
 Scirpus cyperinus