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Yard

STAND RECORD

FORESTS

Stand No. 3413

Name: Forest
County: Forest
Date: 8-12-53

Locality: T: 41N R: 14E Sec: 26
Observers: Christensen

Size of Stand:

Size of Area Sampled:

Forest Type:

Soil Type:

Topography:

Slope:

Directions

Condition of Stand:

flat mostly boggy with sphagnum, but some more upland places. Excellent, apparently undisturbed except by wind & deer. Very many tip-ups making a mass of twisted timber, some rotten. A deer yard that is used moderately to heavily. Acer spicatum shows some summer browsing. Drooping common.

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

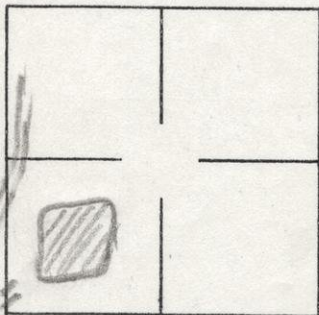
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

X = browse presence

Map:



TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3613

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL	F. % TRS	% SUM F. TR.	D. % TRS	DOM% TRS	DFD INDEX	Lowland C. I.
			-80	-320	321										
Abies bals	20	34	32	2		1070	68	43.87	40	50.0	25.64	21.25	15.12	62.01	186.03 279.04
Acer rubru	2	2	2			94			40	5.0	2.56	1.25	1.33	5.14	35.98 30.84
A. sacchar							1	0.65	25						
A. spicatu							1	0.65	40						
85.67 Betula lut	6	9	6	3		771	1	0.65	10	15.0	7.69	5.63	10.90	24.22	157.43 181.65
B. papyrif	4	7	7			375	4	2.58	10	10.0	5.13	4.38	5.30	14.81	66.64 74.05
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau							1	0.65							
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba	6	7	6	1		416				15.0	7.69	4.38	5.88	17.95	62.83 80.77
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	1	1	1			40				9.5	1.28	0.63	0.57	2.48	18.53 21.08
Thuja occi	35	93	82	11		4110	49	31.61	5	87.5	44.87	58.13	58.09	161.09	322.18 644.36
Ulmus amer	1	1		1		85	1	0.65		2.5	1.28	0.63	1.20	3.11	15.55 17.10
→ amelancheir U. fulva									5						
Larix	3	6	6			114	6	3.87		7.5	3.85	3.75	1.61	9.21	9.21 9.21
Alnus inc							22	14.19	20						
Salix							1	0.65							
	78	160	142	18		7075	155	100.02			99.99	100.03	100	300.02	874.38 1338.10

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

44.22

Thuya

44.19

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3613

STATION NO.	31	2	3	4	5	6	7	8	9	10
Abies balsam	25	26	13					30	25	
Acer rubrum	X	X	X		X	X	35	X		
A. sacchar.	X	X	X	X	X	X	X	X		
A. spicatum	X	X		X	X				X	X
Betula lut.	120			40	120	(40/65)		40	200	
B. papyrif		45				(26/70)		50		
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau			X							
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										240
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can				40						
Thuja occ	70		15	23	35	25	24	130	100	35
Ulmus amer	85		40	18	28		45			80
U. fulva					45		(55/18)			70
Alnus inc		X						X		
Cornus stolon		X						X		
Ribes lac		X						X		
Distance			X	X				X		

93
4110

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3613

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	1	14	3	X	X	X 40	X 35	X	12	X
Acer rubrum			X	X	X	3 16 3			X	X
A. sacchar.										
A. spicatum						X				
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals				12			28	35	30	
P. grand				16						
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ	{ 40 22 27 50	{ 45 22 12	{ 35 20 14 18		{ 17 30 30 65	30	X 29 40	{ 55 65 15	{ 26 30 65 50	
Ulmus amer										
U. fulva										
Larix				13				{ 18 25 13		
Alnus	X	X	X	30	X			X	X	X
Cornus				1						
Distance	Lon	Can								

52
2028

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3613

STATION NO.	21	2	3	4	5	6	7	8	9	10
Abies balsam	25 1	45 13	35 28	51 23 35		45 2	55 21 3	X 3	15 30	3 1
Acer rubrum	X				X	45 14	95			
A. sacchar.										
A. spicatum	X			X			X	X	X	X
Betula lut.										
B. papyrif							X			
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals		55								
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ	55 45 30	19	65 18	15	50 40 190 15	20 17	80	14 55 98 90	95 120	80 120 20 45
Ulmus amer										
U. fulva										
Alnus inc	X	X	X	X	2	X	X			X
Rubus lac	X	3		3			X			X
Ledum			X							
Distance	Ramp	X	X							

76
3254

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3613

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	105	1	1	25 35	16 4	21 15	X	X		T
Acer rubrum					X		X	X	X	
A. sacchar.		X			X		X	X		X
A. spicatum	X			X	X			X		
Betula lut.										
B. papyrif		75		{40 35 55}		80		X		
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										
Thuja occ	{22 17 65}	{30 60 23}	{50 30 85 35}	95 70			{29 30 12 12}	{100 19 50 30}	{18 13 35 35}	{35 23 23 30}
Ulmus amer										
U. fulva										
Larix						15				
Sorbus decora			X							
Ribes lac			X		X			X		
Distance			2		X	X		X		X

28
1176

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3613
Quadrat No. 1-5~~acer spicatum~~ 13
~~acer sacch~~ 1~~acer rubrum~~ 345
~~Abies~~ 4

Actaea pachypoda

Fragaria virginiana

Potentilla simplex

Actaea rubra

Galium lanceolatum

Prenanthes alba

Adiantum pedatum

Galium triflorum 1235

Pteridium aquilinum

Allium tricoccum

Gaultheria procumbens 4

Pyrola elliptica

Anemone quinquefolia

Gaylussacia baccata

Pyrola rotundifolia

Aquilegia canadensis

Geranium maculatum

Pyrola secunda 5

Aralia nudicaulis 3

Geum canadense

Ranunculus recurvatus

Aralia racemosa

Gnaphalium obtusifolium

Rhus radicans

Arisaema atrorubens

Helianthemum sp.

Ribes americanum

Aster macrophyllus

Helianthus strumosus

Rosa sp. 24

Aster sagittifolius

Hepatica acutiloba

Rubus parviflorus

Athyrium angustum

Hepatica americana

Rubus (blackberry)

Botrychium virginianum

Impatiens biflora

Rubus (dewberry) 12345

Brachyelytrum erectum

Linnaea borealis

Sambucus pubens 5

Carex albursina

Lonicera oblongifolia

Sanguinaria canadensis

Caulophyllum thalictroides

Lupinus perennis 13

Sanicula gregaria

Chimaphila umbellata

Lycopodium annotinum

Smilacina racemosa

Circaea alpina

Lycopodium complanatum

Smilacina stellata

Circaea latifolia

Lycopodium lucidulum

Smilax ecirrhata

Clintonia borealis 5

Lycopodium obscurum

Solidago ulmifolia

Coptis trifolia 2345

Lysimachia quadrifolia

Streptopus roseus

Corallorrhiza maculata

Maianthemum canadense 1

Taxus canadensis

Cornus alternifolia

Mitchella repens

Thalictrum dioicum

Cornus canadensis 45

Mitella diphylla

Trientalis borealis 1

Cornus rugosa

Mitella nuda 1235

Trillium grandiflorum

Corylus americana

Monotropa uniflora

Uvularia grandiflora

Corylus cornuta 1

Myrica asplenifolia

Uvularia sessilifolia

Cypripedium acaule

Onoclea sensibilis

Vaccinium angustifolium

Diervilla lonicera

Oryzopsis asperifolia 4

Vaccinium pennsylvanicum

Dirca palustris

Osmorhiza claytoni

Viburnum acerifolium

Dryopteris linnaeana 12

Oxalis montana 1

Viola canadensis

Dryopteris phegopteris

Phryma leptostachya

Viola cucullata

Dryopteris spinulosa 3

Polygala pauciflora

Viola pallens

Epifagus virginiana

Polygonatum commutatum

Viola pubescens 14

Epigaea repens

Polygonatum pubescens

Waldsteinia fragarioides

~~Carex nanow~~ 1
~~Scutellaria~~ 2
Carex triperma 2+5
~~Chickweed~~ 2
Silybum 3
Stellaria
CalypantheAlnus 3
Cornus stolon 3
Dryopteris cristata 3
Calama groenl can 5
Chorizanthe 5 Cranberry

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3613
Quadrat No. 6-10*Carex rubra* 2*Salix* 34*Bot. pap.* 4*Fragaria virginiana**Actaea pachypoda**Galium lanceolatum**Actaea rubra**Galium triflorum* 134*Adiantum pedatum**Gaultheria procumbens**Allium tricoccum**Gaylussacia baccata**Anemone quinquefolia**Geranium maculatum**Aquilegia canadensis**Geum canadense**Aralia nudicaulis**Gnaphalium obtusifolium**Aralia racemosa**Helianthemum* sp.*Arisaema atrorubens**Helianthus strumosus**Aster macrophyllus**Hepatica acutiloba**Aster sagittifolius**Hepatica americana**Athyrium angustum**Impatiens biflora* 5*Botrychium virginianum**Linnaea borealis* 24*Brachyelytrum erectum**Lonicera oblongifolia* 5*Carex albursina**Lupinus perennis**Caulophyllum thalictroides**Lycopodium annotinum**Chimaphila umbellata**Lycopodium complanatum**Circaea alpina* 145*Lycopodium lucidulum**Circaea latifolia**Lycopodium obscurum**Clintonia borealis* 14*Lysimachia quadrifolia**Coptis trifolia* 24*Maianthemum canadense**Corallorrhiza maculata**Mitchella repens**Cornus alternifolia**Mitella diphylla**Cornus canadensis* 4*Mitella nuda* 1234*Cornus rugosa**Monotropa uniflora**Corylus americana**Myrica asplenifolia**Corylus cornuta* 2*Onoclea sensibilis* 4*Cypripedium acaule**Oryzopsis asperifolia**Diervilla lonicera* 4*Osmorhiza claytoni**Dirca palustris**Oxalis montana* 2*Dryopteris linnaeana**Phryma leptostachya**Dryopteris phegopteris**Polygala pauciflora**Dryopteris spinulosa* 5*Polygonatum commutatum**Epifagus virginiana**Polygonatum pubescens**Epigaea repens**Potentilla simplex**Prenanthes alba**Pteridium aquilinum**Pyrola elliptica**Pyrola rotundifolia**Pyrola secunda* 3*Ranunculus recurvatus**Rhus radicans**Ribes americanum**Rosa* sp.*Rubus parviflorus**Rubus* (blackberry)*Rubus* (dewberry) 12345*Sambucus pubens* 45*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* 145*Viola pubescens**Waldsteinia fragarioides**Carex broad* 12*Carex tussock* 12*Alnus* 3*Ledum* 12*Rhamnus* 23*Chamaecyparis* 2 *Cranberry*

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3613
Quadrat No. 11-15~~Actaea~~ 1345
~~Actaea~~ 1234~~Thymus~~ 2
~~Bot. lutea~~ 5
Fragaria virginiana~~Bot. pap.~~ 4
Potentilla simplex ~~at. rubrum~~ 5Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 5
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina 1
Circaea latifolia
Clintonia borealis 245
Coptis trifolia 134
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 23
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana 34
Dryopteris phegopteris
Dryopteris spinulosa 145
Epifagus virginiana
Epigaea repensGalium lanceolatum
Galium triflorum 3
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis 125
Lonicera oblongifolia
Lupinus perennis can 4
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 345
Mitchella repens
Mitella diphylla
Mitella nuda 13
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana 2345
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescensPrenanthes 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 2
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 5
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens ~~incognita~~ 2
Viola pubescens
Waldsteinia fragarioidesAlnus 1
Var. can. 1
Carex broad 1
Carex trisperma 13
Chenopodium 2
Sedum 2Corylus stolonifera 3
Amelanchier 3
Carex narrow 5
Slyceria sp. 5

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3613
Quadrat No. 16-20

<i>Actaea pachypoda</i>	<i>Fragaria virginiana</i>	<i>Potentilla simplex</i>
<i>Actaea rubra</i>	<i>Galium lanceolatum</i>	<i>Prenanthes alba</i>
<i>Adiantum pedatum</i>	<i>Galium triflorum</i> 1	<i>Pteridium aquilinum</i>
<i>Allium tricoccum</i>	<i>Gaultheria procumbens</i>	<i>Pyrola elliptica</i>
<i>Anemone quinquefolia</i>	<i>Gaylussacia baccata</i>	<i>Pyrola rotundifolia</i>
<i>Aquilegia canadensis</i>	<i>Geranium maculatum</i>	<i>Pyrola secunda</i>
<i>Aralia nudicaulis</i> 24	<i>Geum canadense</i>	<i>Ranunculus recurvatus</i>
<i>Aralia racemosa</i>	<i>Gnaphalium obtusifolium</i>	<i>Rhus radicans</i>
<i>Arisaema atrorubens</i>	<i>Helianthemum sp.</i>	<i>Ribes americanum</i>
<i>Aster macrophyllus</i> 4	<i>Helianthus strumosus</i>	<i>Rosa sp.</i>
<i>Aster sagittifolius</i>	<i>Hepatica acutiloba</i>	<i>Rubus parviflorus</i>
<i>Athyrium angustum</i>	<i>Hepatica americana</i>	<i>Rubus (blackberry)</i>
<i>Botrychium virginianum</i>	<i>Impatiens biflora</i>	<i>Rubus (dewberry)</i> 134
<i>Brachyelytrum erectum</i>	<i>Linnaea borealis</i> 234	<i>Sambucus pubens</i> 3
<i>Carex albursina</i>	<i>Lonicera oblongifolia</i>	<i>Sanguinaria canadensis</i>
<i>Caulophyllum thalictroides</i>	<i>Lupinus perennis</i>	<i>Sanicula gregaria</i>
<i>Chimaphila umbellata</i>	<i>Lycopodium annotinum</i>	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i>	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 245	<i>Lycopodium obscurum</i>	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i> 24	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i>
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 245	<i>Taxus canadensis</i>
<i>Cornus alternifolia</i>	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i> 234	<i>Mitella diphylla</i>	<i>Trientalis borealis</i> 125
<i>Cornus rugosa</i>	<i>Mitella nuda</i> 14	<i>Trillium grandiflorum</i>
<i>Corylus americana</i>	<i>Monotropa uniflora</i>	<i>Uvularia grandiflora</i>
<i>Corylus cornuta</i>	<i>Myrica asplenifolia</i>	<i>Uvularia sessilifolia</i>
<i>Cypripedium acaule</i>	<i>Onoclea sensibilis</i>	<i>Vaccinium angustifolium</i>
<i>Diervilla lonicera</i>	<i>Oryzopsis asperifolia</i> 13	<i>Vaccinium pennsylvanicum</i>
<i>Dirca palustris</i>	<i>Osmorhiza claytoni</i>	<i>Viburnum acerifolium</i>
<i>Dryopteris linnaeana</i> 1	<i>Oxalis montana</i> 15	<i>Viola canadensis</i>
<i>Dryopteris phegopteris</i> 1	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Dryopteris spinulosa</i> 15	<i>Polygala pauciflora</i>	<i>Viola pallens</i>
<i>Epifagus virginiana</i>	<i>Polygonatum commutatum</i>	<i>Viola pubescens</i> 34
<i>Epigaea repens</i>	<i>Polygonatum pubescens</i>	<i>Waldsteinia fragarioides</i>

Carex narrow 35
" trisperma 4
Equisetum arvense 4

TABULATION FORM

Univ. of Wisconsin

Stand No. 3613

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
HERBS:																							
Actaea pachypoda	✓																						
Actaea rubra																							
Adenocaulon bicolor																							
Adiantum pedatum																							
Agrimonia gryposepala	✓																						
Allium tricoccum																							
Alnus incana																							
Alnus rugosa	✓			✓			✓		✓			✓											4
Amphicarpa bracteata																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia	✓																						
Antennaria sp.																							
Apocynum androsaemifoliu																							
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓			✓												✓		✓		✓			4
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus																							
Aster macrophyllus	✓																			✓			1
Aster prenanthoides																							
Aster sagittifolius	✓																						
Aster shortii																							
Aster umbellatus																							
Athyrium filix-femina																							
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	✓						✓			✓	✓	✓											4
Circaea quadrisulcata																							

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3613

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>																						
<i>Galium lanceolatum</i>																						
<i>Galium triflorum</i>	✓	✓	✓	✓		✓	✓		✓	✓				✓			✓					9
<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>																						
<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>	✓										✓											1
<i>Impatiens pallida</i>																						
<i>Isopyrum biternatum</i>																						
<i>Krigia biflora</i>																						
<i>Lactuca canadensis</i>																						
<i>Laportea canadensis</i>																						
<i>Lathyrus ochroleucus</i>																						
<i>Lathyrus venosus</i>																						
<i>Ledum groenlandicum</i>	✓						✓	✓					✓									3
<i>Lilium michiganense</i>																						
<i>Linnaea borealis</i>	✓							✓		✓		✓	✓			✓		✓	✓	✓		8
<i>Lithospermum canescens</i>																						
<i>Lobelia inflata</i>																						
<i>Lonicera canadensis</i>	✓	✓		✓											✓							3
<i>Lonicera hirsuta</i>																						
<i>Lonicera oblongifolia</i>	✓										✓											1
<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. 3613

[illegible]

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3613

Stand No. 36/3

[illegible]

NORTHERN PINE-HARDWOODS

Stand No. 3613

[illegible]

TAPULATION FORM

NORTHERN LOWLANDS

STAND NO. 3613

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3613

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3613

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO.

36/3

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 *saplings*

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 *seedlings*
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
Laporteia 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
✓ Lycopodium americanus
Lycopodium uniflora
Lysimachia quadrifolia
Maianthemum canadense

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

Additional Species:

Slycena striata
Cornus stolonifera
Ilex
Aster pumilus
Calamagrostis can
~~*Vaccin.*~~
Salix
Epilobium angustifolium
Osmunda regalis
Prunella vulgaris
Polygonum cilinode
Chelone glabra
Eupatorium maculatum
Tea thum
Ribes glab *hudsonianum*

~~*Lycopodium am*~~
Vaccinium oxycoccos