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Deeryard

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3532

Name:

Locality:

County:

T: 43 N

R: 7 W

Sec: 10

Date:

8-26-52

Observers:

Christensen

Size of Stand:

Size of Area Sampled:

Forest Type:

Soil Type:

Topography:

Flat, wet in spots.

Slope:

Directions

Condition of Stand:

A mature stand, timber cutting scarce. Some windfall and some relatively open spots. Some more cut last winter sapling red + hard maples. Most of these are dead now. Yard is used to the extreme. Balsam maples and Corylus show extreme browsing. Many trails. Droppings abundant.

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.

A₀

A₁

A₂

B

DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A₀

A₁

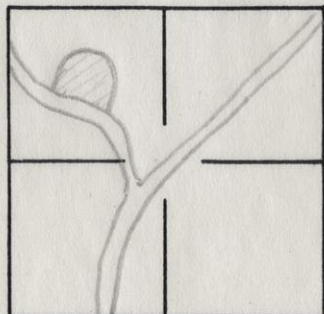
A₂

B

Parent Material:

✓ = browse presence

Map:



2
yard

Northern Pine-Hardwoods

Station Number: 3532

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	17	18	18			723	23	17.16		42.5	23.61	22.50	13.47	59.58	178.74	268.11
Acer rubru	15	16	12	4	-	1317	34	25.37	50	37.5	29.83	20.00	24.53	65.36	457.52	392.16
A. sacchar	8	9	8	1	-	438	60	44.78	15	20.0	11.11	11.25	8.16	30.52	305.20	305.20
A. spicatu									10							
Betula lut	4	4	2	1	1	545				10.0	5.56	5.00	10.15	20.71	134.62	155.32
B. papyrif																
Carpinus c							11	8.21								
Fagus gran																
Ostrya vir																
Picea glau	1	1	1			35				2.5	1.39	1.25	0.65	3.29	8.25	13.16
Pinus Bank																
P. resinosa																
P. Strobus																
Populus ba																
P. grandid																
P. tremulo																
Prunus pen																
Quercus el																
Q. rubra																
Tilia amer																
Tsuga cana	13	17	14	3		1281	2	1.49		32.5	18.06	21.25	23.86	63.17	473.78	536.94
Thuja occi	11	12	5	7		950				27.5	15.28	15.00	17.70	47.98	95.96	191.92
Ulmus amer																
U. fulva																
Prunus ser.	3	3	3			79	1	0.75	10	7.5	4.17	3.75	1.47	9.39	65.73	56.34
Alnus rug							3	2.24								
	72	80	63	16	1	5368	134	100			100.01	100	99.99	300	1719.80	1919.15

AVE. DIST. BTW'N TREES:

 $\frac{784}{40} = 19.6$

AVE. B. A.:

67.1

TREES/ACRE:

131

DOM./ACRE:

8,790

Thuya	79.16	19.7	1560
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3 TREES/ACRE:

AVE DIST. BTW TREES:

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3532
2

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	✓		27	✓	65			17	✓	35
Acer rubrum	✓	260			2	2		1260		✓
A. sacchar.	✓	4	2	4	19	2		3	3	✓
A. spicatum					✓	✓			✓	
Betula lut.						40				
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus ^{pen.} pen.							23		26	
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	60 85	70		150 80		60 75	65			
Thuja occ		35								110
Ulmus amer										
U. fulva										
Corylus			✓		✓	✓	✓			✓
Raspberry				✓	✓					
Distance	10-6	5-6	22	8-6	29-6	23-6	19	10	29-6	23-6

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 35327

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	30	35	2 $\frac{22}{45}$		60		1	1	3	1
Acer rubrum	16	140		4	4 $\frac{65}{45}$	55			1	
A. sacchar.	3		4			35	3	35		
A. spicatum										
Betula lut.										110
B. papyrif										
Carpinus car								2		
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus ^{serot.} pen.				30					1	
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can		1			30				75	(14 30)
Thuja occ					120			19	100	
Ulmus amer										
U. fulva										
Raspberry				✓	✓	✓	✓	✓	✓	✓
Corylus				✓	✓	✓	✓	✓	✓	✓
Oreocarya								✓		
Distance	22	12-6	14-6	31-6	24-6	6	17-6	29-6	35	15-6

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 35327

STATION NO.	21	2	3	4	5	6	7	8	9	10
Abies balsam	12	✓	3 70	✓						2 45
Acer rubrum		1 180	1 180	40			16	23 11 12 13	2	
A. sacchar.					80 27	✓	80	2	2 120	3
A. spicatum						✓				✓
Betula lut.			360							
B. papyrif										
Carpinus car					3					
Fagus gran										
Ostrya virg										
Picea glau	35									
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can		90						25 65		
Thuja occ				85		75	50			95
Ulmus amer										
U. fulva										
Alnus	3	✓		✓		✓				✓
Corylus				✓			✓			✓
Raspbery				✓			✓			✓
Distance	27	22	40	216	9-6	13	23	20	13-6	22

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3532

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	30		35	20		45	50			1
Acer rubrum	17		2	75				14	2	12
A. sacchar.	4	3	30		1	4	12	4	2	
A. spicatum										
Betula lut.									35	
B. papyrif										
Carpinus car			2	4						
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								130		40
Thuja occ					90	140				
Ulmus amer					31					
U. fulva										
Corylus										
Raspberry										
Distance	17-6	22-6	28	18	14	33	8	12-6	18-6	10-6

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3532

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

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TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3532

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	✓																					10	
Comandra richardsiana																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandica	✓																					2	
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Coreopsis palmata																							
Cornus alternifolia	✓																						
Cornus canadensis	✓																					5	
Cornus foemina																							
Cornus rugosa																							
Corydalis sp.																							
Corylus americana																							
Corylus cornuta	✓																					5	
Cryptotaenia canadensis																							
Cynoglossum boreale																							
Cypripedium acaule																							
Cypripedium parviflorum																							
Cypripedium pubescens																							
Cystopteris fragillis																							
Danthonia spicata																							
Dentaria diphylla																							
Desmodium glutinosum																							
Desmodium nudiflorum																							
Dicentra canadensis																							
Dicentra cucullaria																							
Diervilla lonicera	✓																						
Dirca palustris	✓																						
Dryopteris bootii																							
Dryopteris cristata																							
Dryopteris goldiana																							
Dryopteris disjuncta																							
Dryopteris phegopteris	✓																						
Dryopteris spinulosa	✓																					6	
Epifagus virginiana																							
Epigaea repens																							
Equisetum arvense																							
Equisetum hyemale																							
Equisetum sylvaticum																							
Erigeron philadelphicus																							
Erythronium albidum																							
Erythronium americanum																							
Eupatorium rugosum																							
Festuca obtusa																							
Fragaria virginiana																							

Stand No. 3532

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	✓																						5
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	✓																						1
Hepatica americana	✓																						
Heuchera richardsonii																							
Hieracium canadense																							
Hieracium scabrum																							
Hydrophyllum virginianum																							
Hystrix patula																							
Ilex verticillata	✓																						
Impatiens biflora	✓																						
Impatiens pallida																							
Isopyrum bitermum																							
Krigia biflora																							
Lactuca canadensis	✓																						
Laportea canadensis																							
Lathyrus ochroleucus																							
Lathyrus venosus																							
Ledum groenlandicum																							
Lilium michiganense																							
Linnaea borealis																							
Lithospermum canescens																							
Lobelia inflata																							
Lonicera canadensis	✓																						
Lonicera hirsuta																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lupinus perennis																							
Luzula acuminata																							
Luzula multiflora																							

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3532

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	✓																						2
Lycopodium complanatum																							
Lycopodium lucidulum	✓																						
Lycopodium obscurum	✓																						7
Lycopodium tristachyum																							
Lycopus americanus																							
Lycopus uniflorus																							
Lysimachia ciliata																							
Lysimachia quadrifolia																							
Maianthemum canadense	✓																						9
Malaxis unifolia																							
Medeola virginiana																							
Melampyrum lineare																							
Menispermum canadense																							
Milium effusum																							
Mitchella repens	✓																						
Mitella diphylla																							
Mitella nuda	✓																						1
Monarda fistulosa																							
Moneses uniflora																							
Monotropa hypopithys																							
Monotropa uniflora																							
Nemopanthus mucronata																							
Onoclea sensibilis	✓																						1
Orchis spectabilis																							
Oryzopsis asperifolia	✓																						3
Oryzopsis racemosa																							
Osmorhiza claytoni																							
Osmunda claytoniana	✓																						
Osmunda cinnamomea																							
Osmunda regalis																							
Oxalis montana	✓																						
Panax quinquefolius																							
Panax trifolius																							
Panicum latifolium																							
Parietaria pensylvanica																							
Parthenocissus inserta																							
Pedicularis lanceolata																							
Phlox divaricata																							
Phlox pilosa																							
Phryma leptostachya																							
Pilea pumila																							
Podophyllum peltatum																							
Polemonium reptans																							
Polygala paucifolia																							
Polygonatum canaliculatu																							
Polygonatum pubescens	✓																						2
Polypodium virginianum																							
Potentilla arguta																							
Potentilla simplex																							

NORTHERN PINE-HARDWOODS

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

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3532

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3532

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3532

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. ^Z
3532

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
 Pinus banksiana
 Pinus resinosa
 Pinus strobus
 Populus balsamifera
 Populus grandidentata
 Populus tremuloides
 Prunus pennsylvanica
 ✓ Prunus serotina ~~///~~

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

HERBS AND SHRUBS

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

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

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

3532

Z

Melampyrum lineare
 Mitchellia 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
 Phryma 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 canadensis
 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:

Carex. tussocks
 Carex III. arundinacea
 Carex. interm
 " alburinga
 (narrow leaf)

Muhlenbergia max

Trifolium repens

Carex projecta

Eupatorium
maculatum

Aster puniceus

Aster narrow leafed Aster simplex

Glyceria striata

Agrostis? perennans

Calamagrostis can

Ilex

Shepherdia Polygonum sagittatum

Polygonum cilanode

Anaphalis margaritacea

Carex cuneata

7-16-52 *Cashland 103-108*

Date Form No. 17

Plant Ecology Research

Univ. of Wisconsin

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO.

3532
744N
R4W
S10

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

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

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

HERBS AND SHRUBS

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

✓ *Circaea alpina*
Circaea latifolia
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Galium boreale
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Ledum groenlandicum
Linnaea borealis
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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*

Cor.

Data Form No. 17 (P.2)

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 Viola pubescens
 Vitis aestivalis
 Vitis riparia
 Waldsteinia fragarioides
 Zanthoxylum americanum

T44N
 R4W
 S10

Additional Species:

~~Cornus~~

~~Sedge medusa~~

~~Grass-like sedge~~

~~Frag-like~~

~~Sagittate fern~~

Carex antumnescens

Carex trisperma

Rubus dewberry

Dryopteris phegopteris

Dry - heavy use.