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STAND RECORD

FORESTS

Stand No. 3504

Name:

Locality:

Menominee Res.

(2018

County:

Shawano

T:

30N

R:

15E

Sec:

16, N4S9, S

Beech No.)

Date:

2-1-52

Observers:

Christensen

Size of Stand:

Size of Area Sampled:

Forest Type:

Soil Type:

Topography:

Flat, streamside

Slope:

Directions

Condition of Stand:

Uncut, unbrowsed cedar stand.

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.)

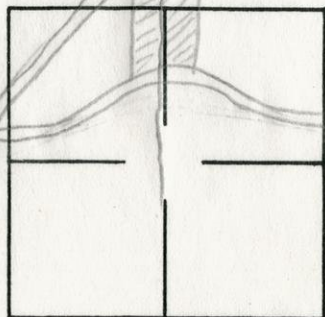
A₀A₁A₂

B

Parent Material:

✓ = browse presence

Map:



Station Number:

:0830T M'WTD . T@D . EVA

1. A. B. 3VA

④ TREES \ ACRES :

64

Data Form No. 16

Plant Ecology Research
TREE DATA SUMMARY SHEET

T30N R15E
University of Wisconsin
S16N 459S

Northern Pine-Hardwoods

Station Number: 3504

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	2	2	2			59	19	12.18	7.5	5.0	2.99	2.50	0.89	6.38	19.14	28.71
Acer rubru	1	1		1		140	2	1.28	5.0	2.5	1.49	1.25	2.11	4.85	33.95	29.10
A. sacchar	2	2	1	1	-	163	11	7.05	35.0	5.0	2.99	2.50	2.45	7.94	79.40	79.40
A. spicatu							16	10.25	57.5							
113.93 Betula lut	13	14	6	8	-	1595	14	8.97	12.5	32.5	19.40	12.50	23.99	60.89	395.79	456.67
B. papyrif																
Carpinus c																
Fagus gran	2	2	2	-	-	102			2.5	5.0	2.99	2.50	1.53	7.02	70.20	70.20
Ostrya vir																
Picea glau																
Pinus Bank																
P. resinosa																
P. Strobus	1	1	-	1	-	325				2.5	1.49	1.25	4.89	7.63	22.89	30.52
Populus ba																
P. grandid																
P. tremulo																
Prunus pen																
Quercus el																
Q. rubra																
Tilia amer	1	1	1	-	-	80	2	1.28	7.5	2.5	1.49	1.25	1.20	3.94	27.58	33.49
Tsuga cana	13	18	14	4		1236	30	19.23	5.0	32.5	19.40	22.50	18.59	60.49	453.68	514.16
Thuja occi	25	31	25	4	1	2092	54	34.62	10.0	62.5	37.31	38.75	31.47	107.53	215.06	430.12
Ulmus amer	4	5	3	1	1	539	4	2.56		10.0	5.97	6.25	8.11	20.33	101.65	111.81
U. fulva																
Frax. nigra	3	3	1	2		317	4	2.56	20.0	7.5	4.48	3.75	4.77	13.00	58.50	65.00
	67	80	56	22	2	6648	156	99.98			100	100	100	300	1422.84	1849.18

AVE. DIST. BTW'N TREES:

513 / 40 = 12.83

AVE. B. A.:

83.1

TREES/ACRE:

306

DOM./ACRE:

25429

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3504

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam							1		1	
Acer rubrum										
A. sacchar.							124	1		
A. spicatum	1	3		1	1	1		4	3	
Betula lutea	2	1		175		1				203
B. papyrifera										
Carpinus caroliniana										
Fagus grandifolia										
Ostrya virginica										
Picea glauca										
Pinus Bankiana										
P. resinosa										
P. strobus										
Populus balsamifera										
P. grandidentata										
P. tremula										
Prunus pennsylvanica										
Quercus ellipsoides										
Q. rubra										
Tilia americana										
Tsuga canadensis	782	141	25	85	162	278	12	225	57	
Thuja occidentalis		169	4	2	15	37	69	261	37	4
Ulmus americana										
U. fulva										
Distance	25	18' 10"	13-10	10-7	11 3	6-	13-	20-6	12.4	11-

Data Form No. 19

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3504

8-1-52 T30N R15E 516, 11 59, 15

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam					3					
Acer rubrum										
A. sacchar.				3			1	2		
A. spicatum										
Betula lut.		118			133				36	80
B. papyrif										
Carpinus car										
Fagus gran				24						
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										325
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can		120	322	4	1	1		47/17	1	3
Thuja occ	60	3	1415	25	34	21	4	30/65	136	2
Ulmus amer						140	140			
U. fulva										
Frax. nigra	164									
Distance	10	10	15	9	19.6	6	5.6	7	8.6	9.6

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3504

STATION NO.	21	2	3	4	5	6	7	8	9	10
Abies balsam				3				2		2
Acer rubrum										1
A. sacchar.		37	4							
A. spicatum									2	
Betula lnt.	2	37	4	245	130	74/47				80
B. papyrif										
Carpinus car										
Fagus gran			78							
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer				80				7		
Teuga can	1						80/141			
Thuja occ					38	4	4	23/17	32/63	54
Ulmus amer	13/21									
U. fulva			350							
Distance	13.5	27	16	24.6	11.6	14	7.6	9	16.6	13

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3504

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	2		1		1	2		27		32
Acer rubrum		140						1		
A. sacchar.										
A. spicatum										
Betula lut.						156	87			
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	2						50	2	2	
Thuja occ	95	36	45	12	30			192	14	27
Ulmus amer			15							
U. fulva			2							
Fraxinus	128					25				
Distance	14	11	9	9	10	11.6	6.6	22.6	13	18

8-1-52

T30N R15E
S16, N45 9, 5Frequencies trees + shrubs 1 ft - 4" DBH

Plot 3'3" X 19.5' (8 paces), 40 plots

	<u>Occur.</u>	<u>%</u>	
<i>Thuja</i>	7	17.5	*
<i>Acer rubrum</i>	2	5	
<i>Ribes lacustre</i>	2	5	
<i>Ace. spic.</i>	24	60.	*
<i>Bet. lutea</i>	6	15	*
<i>Lonicera caerulea</i>	3	7.5	
<i>Acer sacch.</i>	8	20.	*
<i>Tilia</i>	1	2.5	
<i>Tsuga</i>	4	10	
<i>Fraxinus nigra</i>	7	17.5	*
		7.5	
<i>Abies bals.</i>	3		
<i>Brunus v. v.</i>	1	2.5	
<i>Ulmus am.</i>	1	2.5	
Raspberry	1	2.5	
<i>Hemopanthus</i>	2	5.0	
<i>Corylus cor.</i>	2	5.	

$$\begin{array}{r} 17.5 \\ 40 \overline{) 700} \\ \underline{40} \\ 300 \\ \underline{200} \\ 100 \end{array}$$

$$\begin{array}{r} .0 \\ 40 \overline{) 200} \\ \underline{40} \\ 160 \\ \underline{160} \\ 0 \end{array}$$

$$\begin{array}{r} .6 \\ 40 \overline{) 240} \\ \underline{40} \\ 200 \\ \underline{200} \\ 0 \end{array}$$

Thuja — Acer spic

Thuja / Acer sacch

Abies / Thuja

Acer spic Frax nigra

Bet lut — Bet lut

Acer sacc Thuja

Frax nigra Abies

Acer rubrum Acer rubrum

Tilia Tilia

Ulmus Ulmus

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3504

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	40 Obs
Cirsium altissimum																						
Claytonia caroliniana																						
Claytonia virginica																						
Clematis verticillaris																						
Clintonia borealis	✓																					19 47
Comandra richardsiana																						
Comptonia peregrina																						
Convolvulus spithameus																						
Coptis groenlandica	✓																					
Corallorhiza maculata																						
Corallorhiza striata																						
Corallorhiza trifida																						
Coreopsis palmata																						
Cornus alternifolia	✓																					
Cornus canadensis	✓																					13 32
Cornus foemina																						
Cornus rugosa																						
Corydalis sp.																						
Corylus americana																						
Corylus cornuta	✓																					
Cryptotaenia canadensis																						
Cynoglossum boreale																						
Cypripedium acaule																						
Cypripedium parviflorum																						
Cypripedium pubescens																						
Cystopteris fragilis	✓																					1 2
Danthonia spicata																						
Dentaria diphylla																						
Desmodium glutinosum																						
Desmodium nudiflorum																						
Dicentra canadensis																						
Dicentra cucullaria																						
Diervilla lonicera																						
Dirca palustris																						
Dryopteris bootii																						
Dryopteris cristata	✓																					
Dryopteris goldiana																						
Dryopteris disjuncta	✓																					4 10
Dryopteris phegopteris	✓																					4 10
Dryopteris spinulosa	✓																					12 30
Epifagus virginiana																						
Epigaea repens																						
Equisetum arvense																						
Equisetum hyemale																						
Equisetum sylvaticum																						
Erigeron philadelphicus																						
Erythronium albidum																						
Erythronium americanum																						
Eupatorium rugosum																						
Festuca obtusa																						
Fragaria virginiana	✓																					1 2.5

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3504

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	40 Ado	
Fragaria vesca																							
Galium aparine																							
Galium boreale																							
Galium circaezans																							
Galium concinnum																							
Galium lanceolatum																							
Galium triflorum	✓																						8 20
Gaultheria hispidula	✓																						
Gaylussacia baccata																							
Geranium maculatum																							
Gerardia pedicularia																							
Geum canadense	✓																						1-2.5
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	✓																						3 2.5
Impatiens pallida																							
Isopyrum bitermum																							
Krigia biflora																							
Lactuca canadensis																							
Laportea canadensis	✓																						1 2.5
Lathyrus ochroleucus																							
Lathyrus venosus																							
Ledum groenlandicum																							
Lilium michiganense																							
Linnaea borealis	✓																						7 12.5
Lithospermum canescens																							
Lobelia inflata																							
Lonicera canadensis	✓																						6 15
Lonicera hirsuta																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lupinus perennis																							
Luzula acuminata																							
Luzula multiflora																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3504

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3504

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No.

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO.

3504

[illegible]

STAND NO. 3504

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3504

[illegible]

Menominee Res.

8-1-52 Not a deer yard

T30 N R15 E
S16 N & S95.

Date Form No. 17

Plant Ecology Research

Univ. of Wisconsin

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3504

- ✓ *Abies balsamea* (seedlings)
- ✓ *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*
- 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*

8-1-52

T30N R15E
S16, N459, S

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
 Phytolacca leptostachya
 Podophyllum peltatum
 Polemonium reptans
 Polygala pauciflora
 ✓ Polygonatum commutatum
 Polygonatum pubescens
 Potentilla simplex
 Prenanthes alba
 Pteris 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

3504

Additional Species:

Carex trisperma
 Cinna arundinacea
 Ilex vert.
 Hemophysalis macr.
 Salix
 Carex intumescens
 Scirpus cyp.
~~Solidago~~ Monotropa uniflora
 Cattha palustris
 Glycyrrhiza
 Dryop. cristata
~~Bryonia~~ Polygonum cilicorne
 Habenaria brachiata
 Vaccinium oxycoccos

Deer droppings & some
 deer browsing of maples
 and certain cedars.

A essentially untouched
 natural stand. A small
 creek flows through it.