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Site 3534: Ashland County, Township 44N, Range 4W, Section 35. 1952-08-27

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Yard BB

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3534

Name:
County: Ashland
Date: 8-17-52

Locality:
T: 44N R: 4W Sec: 35

Observers: Christensen

Size of Stand:
Forest Type: Maple-balsam
Topography: rolling, upland

Size of Area Sampled:
Soil Type:
Slope: Directions

Condition of Stand:

Many old large stumps apparently white pine. No recent cutting. Balsams are wind blown, in most low places. Yard is heavily used. Considerable summer browsing. Many trails. Balsams all highland.

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

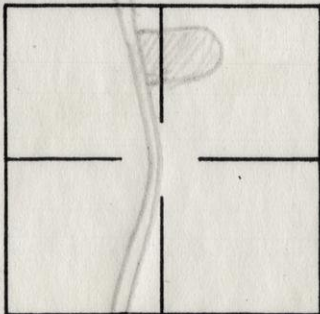
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

✓ - browse presence

Map:



TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3534

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	16	20	20			875	25	16.89	10	40.0	27.12	25.00	15.62	67.74	203.19
Acer rubru	10	11	8	3		687	20	13.51	65	25.0	16.95	13.75	12.27	42.97	300.79
A. sacchar	23	38	33	5		2384	94	63.52	55	57.5	38.98	47.50	42.56	129.04	1290.40
A. spicatu							5	3.38	30						
Betula lut	7	8	2	5	1	1390			5	17.5	11.86	10.00	24.82	46.68	303.42
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	1	1	1			35				2.5	1.69	1.25	0.62	3.56	8.90
Pinus Bank															
P. resinosa															
P. Strobus	1	1	1	1		110				2.5	1.69	1.25	1.96	4.90	14.70
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	1	1	1			120				2.5	1.69	1.25	2.14	5.08	38.10
Thuja occi															
Ulmus amer															
U. fulva															
Prunus ser.							4	2.70	10						
	59	80	64	15	1	5601	148	100			99.98	100	99.99	299.97	2159.50

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

728.5 = 12.21
40

70.01

152

10,642

BB

Data Form No. 19

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3534

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	50/35	65/50	50	60	✓					30
Acer rubrum	✓3	2		2	70	1	26			45
A. sacchar.	✓1		✓4	2	95	3	50	✓50/16 14	30/190	14/15
A. spicatum	✓	2								✓4
Betula lut.			55	250						
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										
Thuja occ										
Ulmus amer										
U. fulva										
Corylus Raspberry	✓	✓	✓	✓						
Distance	13	18-6	21	43-6	15-6	17	11-6	23-6	20	15

BB

Data Form No. 19

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3534

STATION NO.	1	2	3	4	5	6	7	8	9	10						
Abies balsam	70	28	1		18	1										
Acer rubrum		50			1											
A. sacchar.	3	4	45 30	2	80	1	300	2	30 100	4	20 40	50 150	4	25 60	150	4
A. spicatum			1													
Betula lut.				70											90	
B. papyrif																
Carpinus car																
Fagus gran																
Ostrya virg																
Picea glau																
Pinus Bank																
P. resinosa																
P. Strobus																
Populus bals																
P. grand																
P. trem																
Prunus pen. ^{ser.}															3	
Quercus ell																
Q. rubra																
Tilia amer																
Tsuga can	120	120														
Thuja occ																
Ulmus amer																
U. fulva																
Corylus cor																
Cornus alt																
Distance	15	19	20	8	20-6	14	12	36	16-6	13						

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Plant Ecology Research

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POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3534

STATION NO.	21	2	3	4	5	6	7	8	9	10
Abies balsam				55	40	18	23	25	70	3
Acer rubrum			12	65		75	110			
A. sacchar.	80	12								15
A. spicatum	60	45								75
Betula lut.					90					
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										
Thuja occ										
Ulmus amer										
U. fulva										
Corylus										
Raspbary										
Distance	16-6	15	17	25-6	29	6-6	18	11-6	20-6	28

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POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3534

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	23	40		1	1				2	
Acer rubrum					195	120				
A. sacchar.	22	15	3	4	2	13	4	70	75	45
A. spicatum					24	190	4	50	19	130
Betula lut.			150 85 200	400	1					
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau				35						
Pinus Bank										
P. resinosa										
P. Strobus					110					
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Corylus										
Raspberry										
Distance	17	16-6	23-6	11-6	13	10-6	23	20	16-6	22

yard BB
3534

Tree reprod. (1 ft.-4 in. DBH)	# Quads.	Freq. %	% Sum Freq.	Den. Calc.	D.% Calc.	% 2F S-S
Abies bals	3	7.5	6.25		7.50	4.00
Acer rubrum	8	20.0	16.67		20.00	10.67
A. sacchar	27	67.5	56.24		67.50	36.00
A. spicatu	8	20.0	16.67			10.67
Alnus rug						
Amelanchier						
Betula lut.						
B. papyrif						
Carpinus c.						
Fagus grand						
Fraxinus nig						
Larix lar						
Ostrya vir						
Picea glau						
Picea mari						
Pinus bank						
Pinus resin						
Pinus stro						
Populus ba						
P. grandid						
P. tremulo						
Prunus pen						
Prunus ser	2	5.0	4.16		5.00	2.67
Prunus vir						
Q. rubra						
Sorbus dec						
Tilia amer						
Tsuga cana						
Thuja occi						
Ulmus amer						
	48		99.99	40	✓	67.0/53.34

TABULATION FORM

Univ. of Wisconsin

Stand No. 3534

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	✓																						1
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	✓																						5
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus																							
Aster macrophyllus	✓																						4
Aster prenanthoides																							
Aster sagittifolius	✓																						
Aster shortii																							
Aster umbellatus																							
Athyrium filix-femina	✓																						
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefolium																							
Botrychium virginianum																							
Brachyleytrum erectum	✓																						3
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																							

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Stand No. 3534

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Cirsium altissimum																							
Claytonia caroliniana																							
Claytonia virginica																							
Clematis verticillaris																							
Clintonia borealis	✓																					4	
Comandra richardsiana																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandica	✓																					1	
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Coreopsis palmata																							
Cornus alternifolia	✓																					1	
Cornus canadensis	✓																					8	
Cornus foemina																							
Cornus rugosa																							
Corydalis sp.																							
Corylus americana																							
Corylus cornuta	✓																					4	
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	✓																					1	
Dirca palustris																							
Dryopteris bootii																							
Dryopteris cristata																							
Dryopteris goldiana																							
Dryopteris disjuncta																							
Dryopteris phegopteris	✓																						
Dryopteris spinulosa	✓																					3	
Epifagus virginiana																							
Epigaea repens																							
Equisetum arvense																							
Equisetum hyemale																							
Equisetum sylvaticum																							
Erigeron philadelphicus																							
Erythronium albidum																							
Erythronium americanum																							
Eupatorium rugosum																							
Festuca obtusa																							
Fragaria virginiana																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3534

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3534

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	✓																						1
Lycopodium complanatum																							
Lycopodium lucidulum	✓																						2
Lycopodium obscurum	✓																						8
Lycopodium tristachyum																							
Lycopus americanus																							
Lycopus uniflorus																							
Lysimachia ciliata																							
Lysimachia quadrifolia																							
Maianthemum canadense	✓																						4
Malaxis unifolia																							
Medeola virginiana																							
Melampyrum lineare																							
Menispermum canadense																							
Milium effusum																							
Mitchella repens	✓																						
Mitella diphylla																							
Mitella nuda																							
Monarda fistulosa																							
Moneses uniflora																							
Monotropa hypopithys																							
Monotropa uniflora																							
Nemopanthus mucronata																							
Onoclea sensibilis																							
Orchis spectabilis																							
Oryzopsis asperifolia	✓																						5
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																							
Phyrma leptostachya																							
Pilea pumila																							
Podophyllum peltatum																							
Polemonium reptans																							
Polygala paucifolia																							
Polygonatum canaliculatu																							
Polygonatum pubescens	✓																						1
Polypodium virginianum																							
Potentilla arguta																							
Potentilla simplex																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3534

[illegible]

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TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3534

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO.

3534

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3534

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3534

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. BB
3534

✓ *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
Salix

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 phyto-laccoides
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* //

Data Form No. 17 (P.2)

Melampyrum lineare
 ✓ Mitchellia repens
 Mitella diphylla
 Mitella nuda
 Monarda fistulosa
 Moneses uniflora
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis
 Oryzopsis asperifolia III
 Osmorhiza claytoni
 Osmunda cinnamomea
 ✓ Osmunda claytoniana
 Oxalis montana
 Panax quinquefolia
 Parietaria pennsylvanica
 Parthenocissus vitacea
 Pedicularis lanceolata
 Phyrma leptostachya
 Podophyllum peltatum
 Polemonium reptans
 Polygala pauciflora
 Polygonatum commutatum
 ✓ Polygonatum pubescens I
 Potentilla simplex
 Prenanthes alba
 Pteretis nodulosa
 Pteridium aquilinum II

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 III
 Rubus - raspberry III
 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 I
 Trillium cernuum
 Trillium grandiflorum
 Uvularia grandiflora
 Uvularia sessilifolia
 Vaccinium angustifolium
 Vaccinium pennsylvanicum
 Viburnum acerifolium
 Viburnum affine
 Viburnum lentago
 Viola canadensis
 Viola cucullata
 Viola incognita II
 Viola pallens
 Viola pubescens
 Vitis aestivalis
 Vitis riparia
 Waldsteinia fragarioides
 Zanthoxylum americanum

Additional Species:

Carex broad leaf IIII
 Carex narrow leaf III IIII
 Hieracium yellow aranthicum
 Cinna I
 Carex prosecta II
 Aster pruncea
 Calamagrostis can I
 Epilobium ang.
 Anemone mollis I Rumex acetosella
 Var. can. I