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Site 3531: Ashland County, Township 41N, Range 4W, Section 13. 1952-08-26

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Deeryard Y

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3531

Name:

County: *ashland*

Date: *8-26-52*

Size of Stand:

Forest Type:

Topography: *Flat, lowland*

Locality:

T: *41 N* R: *4 W* Sec: *13*

Observers: *Christensen*

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

Maples & black ash heavily used. Balsam moderate to heavily used. Occasional cutting throughout yard. Last 10 points more open than 1st 30.

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

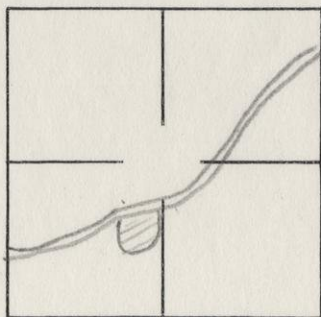
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

✓ = browse presence

Map:



TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3531

Y
yard
(Cist)

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	13	14	14	-	-	275	42	27.45	5	32.5	19.12	17.50	5.04	41.66	124.98
Acer rubru	1	1	1			40	23	15.03	40	2.5	1.47	1.25	0.73	3.45	24.15
A. sacchar															
A. spicatu							1	0.65							
Betula lut	11	12	2	10	-	1566	8	5.23	15	27.5	16.18	15.00	28.71	59.89	389.29
B. papyrif							1	0.65							
Carpinus c															
Fagus gran															
Ostrya vir							1	0.65							
Picea glau							1	0.65							
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	14	17	9	8		1400	3	1.96		35.0	20.59	21.25	25.66	67.50	506.25
Thuja occi	18	24	16	8		1610	4	2.61	10	45.0	26.47	30.00	29.51	85.98	171.96
Ulmus amer															
U. fulva															
Frax. nig	11	12	11	1		564	6	39.87	20	27.5	16.18	15.00	10.34	41.52	186.84
Alnus rug							8	5.22							
Salix									5						
	68	80	53	27		5455	153	99.99			100.01	100	99.99	300	1403.47

AVE. DIST. BTW'N TREES:

$$\frac{703}{40} = 17.58$$

AVE B. A.:

68.19

TREES/ACRE:

163

DOM./ACRE:

11, 117

Thruza

67.08 48.9 3,280

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3531 Y

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam		4		18	25					
Acer rubrum			2	40		1	1	1		
A. sacchar.										
A. spicatum										
Betula lut.	1				170	100 210		140	50 85	150 15
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							55			
Thuja occ	25 60	1 120	160 90					150		18
Ulmus amer										
U. fulva										
Larix laricina			2	4	4	3	18	3	110	3
Lonicera ca										
Corylus cor										
Distance	7-6	19	21	24-6	20-6	20	18-6	5-6	23	13

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3531 Y

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Abies balsam</i>			✓	12 ✓						
<i>Acer rubrum</i>	2		✓							
<i>A. sacchar.</i>										
<i>A. spicatum</i>	✓					✓	✓		✓	
<i>Betula lut.</i>	140	50					2140	16 ✓		
<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>			70	55	140			95		45
<i>Thuja occ</i>						180				
<i>Ulmus amer</i>										
<i>U. fulva</i>										
<i>Fraxinus</i>	75 ✓	13 ✓	465 ✓	2 ✓	217 ✓	380 ✓	18 ✓	3 ✓	18 ✓	360 ✓
<i>Alnus</i>										
<i>Raspbery</i>										
Distance	31-6	7	12-6	18	12-6	8-6	29	28-6	11	96

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3531

STATION NO.	21	2	3	4	5	6	7	8	9	10			
Abies balsam		35	2	3	17	13	3	16	4	3	13/19	35	3
Acer rubrum		1								3			1
A. sacchar.													
A. spicatum													
Betula lut.		140	1										
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				95				50					
Thuja occ	60		18/110	55	80	110	65	110				55	
Ulmus amer													
U. fulva													
Frax nigra	27	3	3	1	1								
Lonicera can													
Corylus co													
Distance	16	20-6	12-6	5	15	11-6	25	16-6	17-6	12			

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3531

STATION NO.	31	2	3	4	5	6	7	8	9	10
Abies balsam	13	2	20	2	4	1	7	2	21	2 18
Acer rubrum	2					2	1		2	2
A. sacchar.										
A. spicatum										
Betula lut.				160		7				
B. papyrif										1
Carpinus car										
Fagus gran										
Ostrya virg										1
Picea glau			1							
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	90				100 110	2	65 30	65 25	1 190	120
Thuja occ		19	35 45	19		20 90				
Ulmus amer										
U. fulva										
<i>Trox nigra</i>										
<i>Corylus ca</i>										
<i>Alnus</i>		2	2				3			
Distance	194	6-6	33-6	29	10	28	10	31	19	24-6

over

Distance	1	2	3	4	5	6	7	8	9	10
Shrub										
Raspberry										
Blackberry										
1st. 10' 100'										
1st. 10' 200'										
1st. 10' 300'										
1st. 10' 400'										
1st. 10' 500'										
1st. 10' 600'										
1st. 10' 700'										
1st. 10' 800'										
1st. 10' 900'										
1st. 10' 1000'										
1st. 10' 1100'										
1st. 10' 1200'										
1st. 10' 1300'										
1st. 10' 1400'										
1st. 10' 1500'										
1st. 10' 1600'										
1st. 10' 1700'										
1st. 10' 1800'										
1st. 10' 1900'										
1st. 10' 2000'										
1st. 10' 2100'										
1st. 10' 2200'										
1st. 10' 2300'										
1st. 10' 2400'										
1st. 10' 2500'										
1st. 10' 2600'										
1st. 10' 2700'										
1st. 10' 2800'										
1st. 10' 2900'										
1st. 10' 3000'										
1st. 10' 3100'										
1st. 10' 3200'										
1st. 10' 3300'										
1st. 10' 3400'										
1st. 10' 3500'										
1st. 10' 3600'										
1st. 10' 3700'										
1st. 10' 3800'										
1st. 10' 3900'										
1st. 10' 4000'										
1st. 10' 4100'										
1st. 10' 4200'										
1st. 10' 4300'										
1st. 10' 4400'										
1st. 10' 4500'										
1st. 10' 4600'										
1st. 10' 4700'										
1st. 10' 4800'										
1st. 10' 4900'										
1st. 10' 5000'										
1st. 10' 5100'										
1st. 10' 5200'										
1st. 10' 5300'										
1st. 10' 5400'										
1st. 10' 5500'										
1st. 10' 5600'										
1st. 10' 5700'										
1st. 10' 5800'										
1st. 10' 5900'										
1st. 10' 6000'										
1st. 10' 6100'										
1st. 10' 6200'										
1st. 10' 6300'										
1st. 10' 6400'										
1st. 10' 6500'										
1st. 10' 6600'										
1st. 10' 6700'										
1st. 10' 6800'										
1st. 10' 6900'										
1st. 10' 7000'										
1st. 10' 7100'										
1st. 10' 7200'										
1st. 10' 7300'										
1st. 10' 7400'										
1st. 10' 7500'										
1st. 10' 7600'										
1st. 10' 7700'										
1st. 10' 7800'										
1st. 10' 7900'										
1st. 10' 8000'										
1st. 10' 8100'										
1st. 10' 8200'										
1st. 10' 8300'										
1st. 10' 8400'										
1st. 10' 8500'										
1st. 10' 8600'										
1st. 10' 8700'										
1st. 10' 8800'										
1st. 10' 8900'										
1st. 10' 9000'										
1st. 10' 9100'										
1st. 10' 9200'										
1st. 10' 9300'										
1st. 10' 9400'										
1st. 10' 9500'										
1st. 10' 9600'										
1st. 10' 9700'										
1st. 10' 9800'										
1st. 10' 9900'										
1st. 10' 10000'										

POINT RECORD TREES

NORTHERN PINE-WOODS

STAND NO. 223

SHEET NO. 18

PLANT SOCIETY RECORD

DATE OF RECORDING

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3531

[illegible]

Data Form No. 23
TABULATION FORM

NORTHERN PINE-HARDWOODS

Univ. of Wisconsin

Stand No. 3531

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	✓																					9	
Comandra richardsiana																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandica	✓																					12	
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Coreopsis palmata																							
Cornus alternifolia																							
Cornus canadensis	✓																					13	
Cornus foemina																							
Cornus rugosa																							
Corydalis sp.																							
Corylus americana																							
Corylus cornuta	✓																					1	
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	✓																					2	
Dryopteris phegopteris	✓																					3	
Dryopteris spinulosa	✓																					10	
Epifagus virginiana																							
Epigaea repens																							
Equisetum arvense	✓																					3	
Equisetum hyemale																							
Equisetum sylvaticum																							
Erigeron philadelphicus																							
Erythronium albidum																							
Erythronium americanum																							
Eupatorium rugosum																							
Festuca obtusa																							
Fragaria virginiana																							

Stand No. 3531

[illegible]

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3531

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																							
Lycopodium tristachyum																							
Lycopus americanus	✓																						5
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	✓																						2
Monarda fistulosa																							
Moneses uniflora																							
Monotropa hypopithys																							
Monotropa uniflora	✓																						1
Nemopanthus mucronata																							
Onoclea sensibilis	✓																						1
Orchis spectabilis																							
Oryzopsis asperifolia																							
Oryzopsis racemosa																							
Osmorhiza claytoni																							
Osmunda claytoniana																							
Osmunda cinnamomea	✓																						1
Osmunda regalis																							
Oxalis montana	✓																						3
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																							
Polypodium virginianum																							
Potentilla arguta																							
Potentilla simplex																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3531

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>																							
<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	✓																						
<i>Rubus</i> - raspberry	✓																						
<i>Salix</i> sp.	✓																						
<i>Sambucus canadensis</i>																							
<i>Sambucus pubens</i>																							
<i>Sanguinaria canadensis</i>																							
<i>Sanicula gregaria</i>																							
<i>Sanicula marilandica</i>																							
<i>Schizachne purpurascens</i>																							
<i>Scutellaria lateriflora</i>	✓																						
<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>																							
<i>Symphoricarpos albus</i>																							
<i>Taxus canadensis</i>	✓																						
<i>Thalictrum dioicum</i>	✓																						

14
3
1

1

1

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 353/

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 353/

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3531

[illegible]

TABULATION FORM

NORTHERN LOWLANDS;

STAND NO. 353/

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3531

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

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* *II*
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 *II*
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* *II*
Aureolaria pedicularia
Boehmeria cylindrica
Botrychium virginianum
 ✓ *Brachyelytrum erectum* *I*
Bromus purgans
Campanula americana
Carex albursina
Carex pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Chimaphila umbellata
Chiogenes hispidula

Circaea alpina *II*
Circaea latifolia
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis *NY III*
Convolvulus spithameus
Coptis trifolia *NY NY II*
Corallorrhiza maculata
Corallorrhiza striata
Cornus alternifolia
Cornus canadensis *NY NY III*
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 *NY II*
 ✓ *Dryopteris phegopteris* *III*
Dryopteris spinulosa *NY NY*
Epifagus virginiana
Epigaea repens
 ✓ *Equisetum arvense* *II*
Erythronium americanum
Fragaria virginiana
Galium aparine
Galium boreale
Galium circaezans
Galium concinnum

Galium lanceolatum
Galium triflorum *NY*
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* *III*
 ✓ *Lactuca canadensis*
Laportea canadensis
Lappula virginica
Lathyrus ochroleucus
 ✓ *Ledum groenlandicum*
Linnaea borealis *NY I*
Lonicera canadensis *I*
Lonicera hirsuta
Lonicera oblongifolia
Lonicera prolifera
Luzula multiflora
Lycopodium annotinum
Lycopodium clavatum *II*
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lycopodium tristachyum
Lycopus americanus *NY*
Lycopus uniflora
Lysimachia quadrifolia
Maianthemum canadense *NY III*

Melampyrum lineare
Mitchella 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

3531 Y
Smilax herbacea
Smilax hispida
✓ Solidago latifolia canadensis
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

Additional Species:

Carex triperma ///
 " *intum* ///
Ilex vert. /
Arundo donax ///
Aster pruniceus
Calamagrostis can. /
Dryopteris crinata
Eupatorium
Carex broadleaf /
Epilobium
 " *densa*
 " *gland.*
Polygonum sagittatum
Epilobium
angust.