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Site 3540: Bayfield County, Township 46N, Range 6W, Section 30. 1952-09-04

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Deeryard

44

STAND RECORD

FORESTS

Stand No.

3540

Name:

White River

County:

Bayfield

Date:

9-4-52

Size of Stand:

Forest Type:

White cedar - black ash

Topography:

Flat, wet

Locality:

T:

46 N

R:

6 W

Sec:

30

Observers:

Christensen

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

old of white cedar
 Considerable cutting in places. Windfall excessive,
 all age classes, all trees, but especially white
 cedar. Little browse present. Evergreens all highland.
 Browse plants scattered. Very wet, deer yard. Ash is in
 the open, wetter spots. White cedar in sort of islands.
 Balsam associated with white cedar.

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

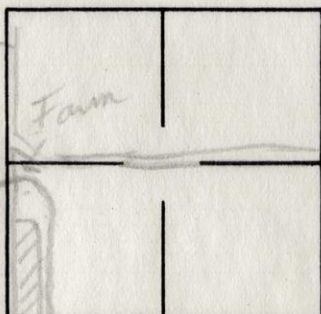
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀									
A ₁									
A ₂									
B									

Parent Material:

✓ = browse presence

Map:



Northern Pine-Hardwoods

Station Number: 3540

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	4	5	5			129	15	9.93		10.0	7.55	6.25	4.50	18.30	54.90	82.35
Acer rubru																
A. sacchar																
A. spicatu																
Betula lut																
B. papyrif																
Carpinus c																
Fagus gran																
Ostrya vir																
Picea glau																
Pinus Bank																
P. resinosa																
P. Strobus																
Populus ba																
P. grandid																
P. tremulo																
Prunus pen																
Quercus el																
Q. rubra																
Tilia amer																
Tsuga cana																
Thuja occi	21	29	28	1		1233	40	26.47		52.5	39.62	36.25	43.02	118.89	237.78	475.56
Ulmus amer	28	46	45	1		1504	92	60.93	10	70.0	52.83	57.50	52.48	162.81	732.65	814.05
U. fulva																
Alnus rug							4	2.65								
Prunus vir									15							
	53	80	78	2		2866	151	100			100	100	100	300	1025.33	1371.96

AVE. DIST. BTW'N TREES:

 $\frac{517}{40} = 12.93$

AVE B. A.:

35.83

TREES/ACRE:

301

DOM./ACRE:

10,785

Thruja

42.52 109.1 4639

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

HH
3540
HH

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	12 ✓	1								
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen. <i>am</i>				✓	✓		✓			
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ	50 4	13 40 3						12 20 3	30	
Ulmus amer										
U. fulva										
<i>Fraxinus nigra</i>			23 35 4	14 20 3	45 60 4	14 35 4	21 12 4	18 20 3	13 4	✓
<i>Alnus inc</i>				1						✓
<i>Ribes am</i>								✓		✓
Distance	12	6	9-6	24-6	13	17-6	7	11	4-6	11-6

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

H H
3540

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	1	2	3	5	2	17	50	4		
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
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	30 60	24 65	50	✓	✓	35 75	4 27	17	4 30	✓
Ulmus amer										
U. fulva										
Calamus rug	✓	✓								
Fraxinea	2	1								
Rosa blanda	1	1	2			35	4 12	✓	19	50 19
									4	16 17
										✓
Distance	19-6	16	10-6	13	14	9-6	8-6	10	9-6	8

over

Diagnosis	10-10	10-11	10-12	10-13	10-14	10-15	10-16	10-17	10-18
<i>Ribes am.</i>									
<i>R. hammonii</i>									
10-19									
10-20									
10-21									
10-22									
10-23									
10-24									
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10-26									
10-27									
10-28									
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10-97									
10-98									
10-99									
10-100									

32 NO
1011

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3540 1411

STATION NO.	21	2	3	4	5	6	7	8	9	10
Abies balsam								1		
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
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				23 90		30				28
Ulmus amer										
U. fulva										
<i>S. ray nipa</i>	14 19	22 20	65 10	4	13 40	23	30 65	85 20	13 35	160
<i>Sley</i>										
<i>Raspbery</i>										
Distance	15	10-6	11	19	11	23-6	22-6	13	8-6	31-6

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3540

STATION NO.	31	2	3	4	5	6	7	8	9	10
Abies balsam								1	15	3
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobilus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ	75	2	1		50 35	2	80	35	3	70
Ulmus amer								19 18		40 60
U. fulva										
Frax nigra	75	3	45 25	40 50	3	12 30	4	2	27	16
Ribes am								25	2	1
Amelanchier										
Distance	12-6	16	7-6	10	12	6	17-6	12	12-6	10-6

over

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3540

[illegible]

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Stand No. 3540

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

Stand No. 3540

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3540

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Lycopodium annotinum</i>																							
<i>Lycopodium clavatum</i>																							
<i>Lycopodium complanatum</i>																							
<i>Lycopodium lucidulum</i>	✓																						
<i>Lycopodium obscurum</i>																							
<i>Lycopodium tristachyum</i>																							
<i>Lycopus americanus</i>	✓																					7	
<i>Lycopus uniflorus</i>																							
<i>Lysimachia ciliata</i>	✓																						
<i>Lysimachia quadrifolia</i>																							
<i>Maianthemum canadense</i>	✓																					4	
<i>Malaxis unifolia</i>																							
<i>Medeola virginiana</i>																							
<i>Melampyrum lineare</i>																							
<i>Menispermum canadense</i>																							
<i>Milium effusum</i>																							
<i>Mitchella repens</i>																							
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>	✓																					5	
<i>Monarda fistulosa</i>																							
<i>Moneses uniflora</i>																							
<i>Monotropa hypopithys</i>																							
<i>Monotropa uniflora</i>																							
<i>Nemopanthus mucronata</i>																							
<i>Onoclea sensibilis</i>	✓																					3	
<i>Orchis spectabilis</i>																							
<i>Oryzopsis asperifolia</i>																							
<i>Oryzopsis racemosa</i>																							
<i>Osmorhiza claytoni</i>																							
<i>Osmunda claytoniana</i>																							
<i>Osmunda cinnamomea</i>																							
<i>Osmunda regalis</i>																							
<i>Oxalis montana</i>																							
<i>Panax quinquefolius</i>																							
<i>Panax trifolius</i>																							
<i>Panicum latifolium</i>																							
<i>Parietaria pensylvanica</i>																							
<i>Parthenocissus inserta</i>	✓																						
<i>Pedicularis lanceolata</i>																							
<i>Phlox divaricata</i>																							
<i>Phlox pilosa</i>																							
<i>Phyrra leptostachya</i>																							
<i>Pilea pumila</i>	✓																					4	
<i>Podophyllum peltatum</i>																							
<i>Polemonium reptans</i>																							
<i>Polygala paucifolia</i>																							
<i>Polygonatum canaliculatu</i>																							
<i>Polygonatum pubescens</i>																							
<i>Polypodium virginianum</i>																							
<i>Potentilla arguta</i>																							
<i>Potentilla simplex</i>																							

[illegible]

NORTHERN PINE-HARDWOODS

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3540

[illegible]

STAND NO. 3540

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3540

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3540

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
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 ///

Melampyrum lineare
 Mitchellia repens
 Mitella diphylla
 Mitella nuda III
 Monarda fistulosa
 Moneses uniflora
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis III
 Oryzopsis asperifolia
 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
 ✓ 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 III
 Ribes cynosbati
 ✓ Ribes lacustre
 Ribes triste
 Rubus idaeus
 Rubus parviflorus
 Rubus hispidus
 Rubus - blackberry
 Rubus - dewberry III 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 III
 Streptopus amplexifolius
 Streptopus roseus
 Taxus canadensis
 ✓ Thalictrum dioicum III
 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 III
 Viola pallens
 Viola pubescens
 Vitis aestivalis
 Vitis riparia
 Waldsteinia fragarioides
 Zanthoxylum americanum

Additional Species:

^{undinaria}
 Cinna III
 Carex tri III
 Cornus stolon III
 Aster purpureus
 Glycyrrhiza striata III III
 Epilobium gland
 Calla palustris III
 Dryas creata III
 Scirpus cyperinus
 Calamagrostis can III
 Polygonum sag III
 Clematis virginiana II
 Narrow leaf nettle II
 Urtica dioica

Chelone glabra
^{aster simplex}
~~Narrow leaf Comp.~~
 ? Rumex Britanica
 Carex intumescens II
 Carex broadleaf
 Sagum infusa
 Prunella vulgaris
 Salix canadensis
 Bleum tyrate
 Phlox
 Carex stemmed III
 Iris III
^{Echinocystis lobata}
~~Prickly cucumber~~
 Ranunculus repens

Mentha arvensis
 Pilea pumila
 III
 Thistle ^{Cirsium}
^{muticum}
 Cup mar.
 Polypodium
 Carex very large
 Thistle pinnatifid
 Calla palustris