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Deer yard

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3517
K

Name: Vilas
County:
Date: 8-10-52

Locality:
T: 41N R: 7E Sec: 19

Observers: Christensen, Ward, Ware, Bray

Size of Stand:
Forest Type: Populus - Maple

Size of Area Sampled:

Topography: Rolling, a few low ^{mount} places.

Soil Type:

Slope:

Directions

Condition of Stand:

Maples & the few balsams highlined & hedged.
Deer yard.

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

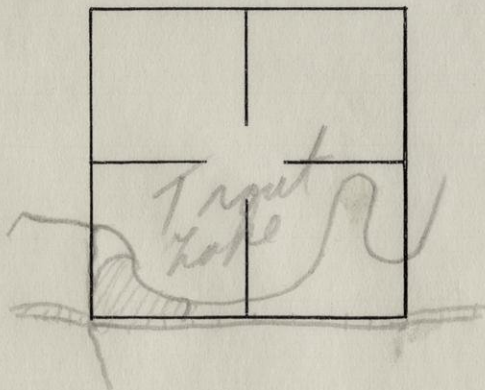
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

V = browse presence

Map:



K
yard

Northern Pine-Hardwoods

Station Number: 3517

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	Upland C. I.
			-80	-320	321										
Abies bals	3	4	2	2		392	6	4.35	5	7.5	5.26	5.00	11.26	21.52	150.64
Acer rubru	6	6	5	1		372	60	43.48	45	15.0	10.53	7.50	10.69	28.72	172.32
A. sacchar	1	2	2			37	27	19.57	15	2.5	1.75	2.50	1.06	5.31	53.10
A. spicatu															
Betula lut															
B. papyrif	9	10	10			270	29	21.01	5	22.5	15.79	12.50	7.76	36.05	180.25
Carpinus c															
Fagus gran															
Ostrya vir							2	1.45							
Picea glau							1	0.72							
Pinus Bank															
P. resinosa															
P. Strobus	1	1	1			70				2.5	1.75	1.25	2.01	5.01	25.05
Populus ba															
P. grandid	32	51	51			1829	7	5.07	5	80.0	56.14	63.75	52.56	172.45	862.25
P. tremulo	1	2	2			130			20	2.5	1.75	2.50	3.74	7.99	27.96
Prunus pen															
Quercus el															
Q. rubra	4	4	2	2		380	2	1.45	40	10.0	7.02	5.00	10.92	22.94	160.58
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Prunus sp							4	2.90	5						
	57	80	75	5		3480	138	100			99.99	100	100	299.99	1079.88

AVE. DIST. BTW'N TREES:

$$\frac{422.5}{39} = 10.83$$

AVE B. A.:

43.5

TREES/ACRE:

429

DOM./ACRE:

18,662

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3517

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam					17					
Acer rubrum	4			3	2			1		2
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif					17	13	4	25	2	2
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau								1		
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand	80/12	45/45	20/35	20	15	14	60/15	25	45/20	30/35
P. trem										
Prunus pen.					1			1	1	
Quercus ell										
Q. rubra				85						
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Corylus										
Blackberry										
Distance	6	8	12	17	24	7	8	15-6	14-6	6-6

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3517

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam						$\frac{130}{220}$		$\frac{25}{1}$		
Acer rubrum	$\frac{2}{1}$		$\frac{1}{4}$	$\frac{4}{4}$	$\frac{4}{4}$		$\frac{2}{3}$	$\frac{40}{15}$	$\frac{1}{2}$	$\frac{4}{4}$
A. sacchar.	$\frac{2}{1}$	$\frac{1}{1}$								
A. spicatum										
Betula lut.										
B. papyrif							$\frac{25}{1}$		$\frac{1}{1}$	
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand		$\frac{25}{1}$	$\frac{29}{25}$	$\frac{5}{35}$	$\frac{4}{30}$		$\frac{39}{25}$			$\frac{55}{55}$
P. trem	$\frac{65}{65}$									
Prunus pen.			$\frac{1}{1}$							
Quercus ell										
Q. rubra		$\frac{65}{1}$								
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Corylus	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	$\frac{1}{1}$		
Rubus black			$\frac{1}{1}$		$\frac{1}{1}$		$\frac{1}{1}$		$\frac{1}{1}$	$\frac{1}{1}$
Distance	11	10	10	15	62	13	6	7	10	9

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3517

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Abies balsam</i>										
<i>Acer rubrum</i>	2	25 250	3	1	2000	2		4	30	2
<i>A. sacchar.</i>					2	2	4			3
<i>A. spicatum</i>										
<i>Betula lut.</i>										
<i>B. papyrif</i>	35		1							
<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. Strobilus</i>					10					
<i>Populus bals</i>										
<i>P. grand</i>	25 23	25	25	20	40	30	20	40	45	25
<i>P. trem</i>										
<i>Prunus pen.</i>										
<i>Quercus ell</i>										
<i>Q. rubra</i>				2		180				50
<i>Tilia amer</i>										
<i>Tsuga can</i>										
<i>Thuja occ</i>										
<i>Ulmus amer</i>										
<i>U. fulva</i>										
<i>Cornus</i>	2		1	1	1	1	1	1	1	1
<i>Black berry</i>										
Distance	9	5	5	9	8	16	11	18	30	

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3517

K

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam		✓								
Acer rubrum				✓	✓	12			3	
A. sacchar.					1	3	3	23	✓	3
A. spicatum								14		
Betula lut.										
B. papyrif	22 15 300	✓	✓	15	15	20	✓		1	
Carpinus car										
Fagus gran										
Ostrya virg								1		
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand	60	✓	35	35	45		50		40	30
P. trem	10	1	40	1			20		45	60
Prunus pen.								✓		✓
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Cornus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blackberry		✓								
Cornus stolon							✓		✓	
Distance	6	12	13-6	13-4	10-6	11-6	11-6	14-6	7-6	13

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3517K
Quadrat No.RED OAK H/H
RED MAPLE H/HPIR 1
SUGAR MAPLE 1

POP. SP III

Actaea pachypoda

Fragaria virginiana

Potentilla simplex

Actaea rubra .

Galium lanceolatum

Prenanthes alba ||

Adiantum pedatum

Galium triflorum P

Pteridium aquilinum H/H

Allium tricoccum

Gaultheria procumbens H/H

Pyrola elliptica

Anemone quinquefolia

Gaylussacia baccata

Pyrola rotundifolia

Aquilegia canadensis

Geranium maculatum

Pyrola secunda

Aralia nudicaulis (

Geum canadense

Ranunculus recurvatus

Aralia racemosa

Gnaphalium obtusifolium

Rhus radicans

Arisaema atrorubens

Helianthemum sp.

Ribes americanum

Aster macrophyllus H/H

Helianthus strumosus

Rosa sp.

Aster sagittifolius

Hepatica acutiloba

Rubus parviflorus

Athyrum angustum

Hepatica americana

Rubus (blackberry) H/H

Botrychium virginianum

Impatiens biflora

Rubus (dewberry) ||

Brachyelytrum erectum

Linnaea borealis

Sambucus pubens

Carex albursina H/H

Lonicera oblongifolia

Sanguinaria canadensis

Caulophyllum thalictroides

Lupinus perennis

Sanicula gregaria

Chimaphila umbellata

Lycopodium annotinum

Smilacina racemosa |

Circaea alpina

Lycopodium complanatum

Smilacina stellata

Circaea latifolia

Lycopodium lucidulum

Smilax ecirrhata

Clintonia borealis

Lycopodium obscurum ||

Solidago ulmifolia

Coptis trifolia

Lysimachia quadrifolia

Streptopus roseus H/H

Corallorrhiza maculata

Maianthemum canadense H/H

Taxus canadensis

Cornus alternifolia

Mitchella repens

Thalictrum dioicum

Cornus canadensis

Mitella diphylla

Trientalis borealis H/H

Cornus rugosa

Mitella nuda

Trillium grandiflorum

Corylus americana

Monotropa uniflora

Uvularia grandiflora

Corylus cornuta H/H

Myrica asplenifolia

Uvularia sessilifolia

Cypripedium acaule

Onoclea sensibilis

Vaccinium angustifolium

Diervilla lonicera

Oryzopsis asperifolia |

Vaccinium pennsylvanicum

Dirca palustris

Osmorhiza claytoni

Viburnum acerifolium

Dryopteris linnaeana

Oxalis montana

Viola canadensis

Dryopteris phegopteris

Phryma leptostachya

Viola cucullata

Dryopteris spinulosa

Polygala pauciflora

Viola pallens

Epifagus virginiana

Polygonatum commutatum

Viola pubescens H/H

Epigaea repens

Polygonatum pubescens H/H

Waldsteinia fragarioides H/H

Cynoglossum 1

Prunus Virea 1

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 35/7

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																							
Adenocaulon bicolor																							
Adiantum pedatum																							
Agrimonia grypsosepala																							
Allium tricoccum																							
Alnus incana																							
Alnus rugosa																							
Amphicarpa bracteata																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Antennaria sp.																							
Apocynum androsaemifoliu																							
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓																						2
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus																							
Aster macrophyllus	✓																						14
Aster prenanthoides																							
Aster sagittifolius																							
Aster shortii																							
Aster umbellatus																							
Athyrium filix-femina																							
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefol																							
Botrychium virginianum																							
Brachyelytrum erectum	✓																						
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												</											

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3517

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3517

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Fragaria vesca</i>																							
<i>Galium aparine</i>																							
<i>Galium boreale</i>																							
<i>Galium circaezans</i>																							
<i>Galium concinnum</i>																							
<i>Galium lanceolatum</i>																							
<i>Galium triflorum</i>	✓																						3
<i>Gaultheria hispidula</i>																							
<i>Gaylussacia baccata</i>																							
<i>Geranium maculatum</i>																							
<i>Gerardia pedicularia</i>																							
<i>Geum canadense</i>																							
<i>Geum rivale</i>																							
<i>Gnaphalium obtusifolium</i>																							
<i>Goodyera oblongifolia</i>																							
<i>Goodyera pubescens</i>																							
<i>Goodyera repens</i>																							
<i>Habenaria bracteata</i>																							
<i>Habenaria orbiculata</i>																							
<i>Hackelia virginiana</i>																							
<i>Halenia deflexa</i>																							
<i>Hamamelis virginiana</i>																							
<i>Helianthus strumosus</i>																							
<i>Hepatica acutiloba</i>																							
<i>Hepatica americana</i>																							
<i>Heuchera richardsonii</i>																							
<i>Hieracium canadense</i>																							
<i>Hieracium scabrum</i>																							
<i>Hydrophyllum virginianum</i>																							
<i>Hystrix patula</i>																							
<i>Ilex verticillata</i>																							
<i>Impatiens biflora</i>																							
<i>Impatiens pallida</i>																							
<i>Isopyrum bitermum</i>																							
<i>Krigia biflora</i>																							
<i>Lactuca canadensis</i>																							
<i>Laportea canadensis</i>																							
<i>Lathyrus ochroleucus</i>																							
<i>Lathyrus venosus</i>																							
<i>Ledum groenlandicum</i>																							
<i>Lilium michiganense</i>																							
<i>Linnaea borealis</i>																							
<i>Lithospermum canescens</i>																							
<i>Lobelia inflata</i>																							
<i>Lonicera canadensis</i>																							
<i>Lonicera hirsuta</i>																							
<i>Lonicera oblongifolia</i>																							
<i>Lonicera prolifera</i>																					</		

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3517

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																							
Lycopodium complanatum																							
Lycopodium lucidulum	✓																						
Lycopodium obscurum	✓																					2	
Lycopodium tristachyum																							
Lycopus americanus																							
Lycopus uniflorus																							
Lysimachia ciliata																							
Lysimachia quadrifolia																							
Maianthemum canadense	✓																					8	
Malaxis unifolia																							
Medeola virginiana																							
Melampyrum lineare																							
Menispermum canadense																							
Milium effusum																							
Mitchella repens																							
Mitella diphylla																							
Mitella nuda																							
Monarda fistulosa																							
Moneses uniflora																							
Monotropa hypopithys																							
Monotropa uniflora	✓																					1	
Nemopanthus mucronata																							
Onoclea sensibilis																							
Orchis spectabilis																							
Oryzopsis asperifolia	✓																					6	
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	✓																					8	
Polypodium virginianum																							
Potentilla arguta																							
Potentilla simplex																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3517

[illegible]

Data Form No. 23
TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3517

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3577 H

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 phytoecoides
 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

3517

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
 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
 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

Additional Species:

Vac. can. III
 Carex tr. III
 Smilax latifolia