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## Site 3513: Vilas County, Township 41N, Range 8E, Section 16. 1952-08-09

[s.l.]: [s.n.], 1952-08-09

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Derryard

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No.

3513

Name: *Vilus*  
County:  
Date: *8-9-52*  
Size of Stand:  
Forest Type: *Red maple - Red oak*  
Topography: *upland, rolling*

Locality:  
T: *41N* R: *8E* Sec: *16*  
Observers: *Christensen Ward Ware, Bray*  
Size of Area Sampled:  
Soil Type:  
Slope: Directions

Condition of Stand:

*Extreme use of Corylus, most dead. All hard wood high-lined. Many deer trails & droppings. The few balsams high-lined. Adjacent to a small pocket of jack pine with moderate use.*

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 <sub>0</sub>									
A <sub>1</sub>									
A <sub>2</sub>									
B									

DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A <sub>0</sub>	-----
A <sub>1</sub>	-----
A <sub>2</sub>	-----
B	-----

Parent Material:

Map:



*V = browse presence*



yard 6

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3513

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	1	1	1			50	15	9.49	10	2.5	1.45	1.25	1.06	3.76	26.32	16.92
Acer rubru	16	19	18	1		618	98	62.03	90	40.0	23.19	23.75	13.10	60.04	360.22	360.22
A. sacchar	1	1	1			35	2	1.57		2.5	1.45	1.25	0.74	3.44	34.40	34.40
A. spicatu																
Betula lut	1	1	1			65				2.5	1.45	1.25	1.38	4.08	32.64	30.60
B. papyrif	15	15	15			287	32	20.25		37.5	21.74	18.75	6.09	46.58	232.90	232.90
Carpinus c																
Fagus gran																
Ostrya vir																
Picea glau																
Pinus Bank																
P. resinus																
P. Strobus	11	13	1	11	1	2485			15	27.5	15.94	16.25	52.49	84.88	424.40	339.52
Populus ba																
P. grandid																
P. tremulo																
Prunus pen																
Quercus el																
Q. rubra	24	30	28	2		1176	11	6.96	30	60.0	34.78	37.50	24.94	97.22	583.32	680.54
Tilia amer																
Tsuga cana																
Thuja occi																
Ulmus amer																
U. fulva																
	69	80	65	14	1	4716	158	100			100	100	100	300	1694.20	1695.10

AVE. DIST. BTW'N TREES:

604.5 / 40 = 15.11

AVE B. A.:

58.95

# TREES/ACRE:

220

DOM./ACRE:

12969



POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3513G

STATION NO.	1	2	3	4	5	6	7	8	9	10		
Abies balsam												
Acer rubrum	3	23	4	1	4	2	2	3	2	4		
A. sacchar.												
A. spicatum												
Betula lut.												
B. papyrif	1		3	17	2	25	14	2	22	14	2	14
Carpinus car												
Fagus gran												
Ostrya virg												
Picea glau												
Pinus Bank												
P. resinosa												
P. Strobus									250			
Populus bals												
P. grand												
P. trem												
Prunus pen.												
Quercus ell												
Q. rubra	40/14	45	25/16	13	2	30/35	45	19	15/40	22		
Tilia amer												
Tsuga can												
Thuja occ												
Ulmus amer												
U. fulva												
Corylus												
Distance	9-6	17	9	18-6	19-6	15	12-6	12	11-6	28-6		



POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3513  
6

STATION NO.	11	2	3	4	5	6	7 none	8	9	10
Abies balsam	1								3	
Acer rubrum	2	40	4 80	3 16	4 40	22 3 12	4 15	3 50	3 28	1 3
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif			15				1			
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus	250					230			210	230 85
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra	30 19	75		13			26	35		1
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Corylus am										
Distance	9-6	25	13-6	11-6	13-6	18	16	7	17-6	17



POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3513

6

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	✓	50	2	3					1	1
Acer rubrum	15	1	1	2/18	✓	3	15	85/40	55	3
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif	25	3	1	2	1		15			
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus		210	160		340				65	280/45
Populus bals										
P. grand										
P. trem		✓								
Prunus pen.										
Quercus ell										
Q. rubra			20		160	25/35				2
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
CORYLUS	✓							✓		
Distance	14	13	12 1/2	16 1/2	31	17	11	7	7	13



POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3573

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam		✓								
Acer rubrum		2	2	4		2	2	12	4	12
A. sacchar.	35		2							30
A. spicatum										
Betula lut.		65								
B. papyrif	1	1		35	12	4	25	2	15	2
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus		130								
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra	150		60/20	40	35	15	20	25		
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
CORNUS			✓		✓	✓	✓	✓		
Distance	13	11	14	37	17	13	6	14	15	12

Handwritten notes: "No. 1" above station 1, "Name" above station 4, "No. 1" above station 9, "No. 1" above station 10.



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 6  
Quadrat No. 3513✓ RED MAPLE ~~III~~ ~~III~~

Actaea pachypoda

Actaea rubra .

Adiantum pedatum

Allium tricoccum

Anemone quinquefolia

Aquilegia canadensis

Aralia nudicaulis///

Aralia racemosa

Arisaema atrorubens

Aster macrophyllus |

Aster sagittifolius

Athyrium angustum

Botrychium virginianum

Brachyelytrum erectum

Carex albursina

Caulophyllum thalictroides

Chimaphila umbellata

Circaea alpina

Circaea latifolia

Clintonia borealis

Coptis trifolia

Corallorrhiza maculata

Cornus alternifolia

Cornus canadensis

Cornus rugosa

Corylus americana

Corylus cornuta

Cypripedium acaule

Diervilla lonicera

Dirca palustris

Dryopteris linnaeana

Dryopteris phegopteris

Dryopteris spinulosa

Epifagus virginiana

Epigaea repens

Fragaria virginiana

Galium lanceolatum

Galium triflorum

Gaultheria procumbens ~~III~~

Gaylussacia baccata

Geranium maculatum

Geum canadense

Gnaphalium obtusifolium

Helianthemum sp.

Helianthus strumosus

Hepatica acutiloba

Hepatica americana

Impatiens biflora

Linnaea borealis

Lonicera oblongifolia

Lupinus perennis

Lycopodium annotinum

Lycopodium complanatum

Lycopodium lucidulum

Lycopodium obscurum //

Lysimachia quadrifolia

Maianthemum canadense ~~III~~

Mitchella repens |

Mitella diphylla

Mitella nuda

Monotropa uniflora

Myrica asplenifolia

Onoclea sensibilis

Oryzopsis asperifolia ~~III~~

Osmorhiza claytoni

Oxalis montana

Phryma leptostachya

Polygala pauciflora

Polygonatum commutatum

Polygonatum pubescens

Potentilla simplex

Prenanthes alba

Pteridium aquilinum ~~III~~ ~~III~~

Pyrola elliptica

Pyrola rotundifolia

Pyrola secunda

Ranunculus recurvatus

Rhus radicans

Ribes americanum

Rosa sp.

Rubus parviflorus

Rubus (blackberry)

Rubus (dewberry)

Sambucus pubens

Sanguinaria canadensis

Sanicula gregaria

Smilacina racemosa

Smilacina stellata

Smilax ecirrhata

Solidago ulmifolia

Streptopus roseus //

Taxus canadensis

Thalictrum dioicum

Trientalis borealis ~~III~~

Trillium grandiflorum

Uvularia grandiflora

Uvularia sessilifolia

Vaccinium angustifolium ~~III~~

Vaccinium pennsylvanicum

Viburnum acerifolium

Viola canadensis

Viola cucullata

Viola pallens

Viola pubescens

Waldsteinia fragarioides ~~III~~

Schizachne purp |

CORYLUS ~~III~~

✓ FIR SEED II

✓ W. PINE III

✓ RED OAK III



























## PRESENCE LIST

## NORTHERN PINE-HARDWOODS

STAND NO. G  
3513

Abies balsamea  
 ✓ Acer rubrum IIII  
 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 II  
 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 pürgans  
 Campanula americana  
 Carex albursina  
 Carex pennsylvanica  
 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 IIII  
 Cryptotaenia canadensis  
 Cyripedium acaule  
 Cyripedium 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 II  
 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 II



Melampyrum lineare  
 Mitchella repens  
 Mitella diphylla  
 Mitella nuda  
 Monarda fistulosa  
 Moneses uniflora  
 Monotropa uniflora  
 Myrica asplenifolia  
 Onoclea sensibilis  
 Oryzopsis asperifolia ~~NI~~  
 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 ~~NI~~

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

3513  
G

Smilax herbacea  
 Smilax hispida  
 Solidago latifolia  
 Solidago ulmifolia  
 Streptopus amplexifolius  
 Streptopus roseus  
 Taxus canadensis  
 Thalictrum dioicum  
 Tiarella cordifolia  
 Trientalis borealis ~~NI~~  
 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 ~~NI~~  
 Zanthoxylum americanum

## Additional Species:

Vac. canad ~~NI~~