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Site 3570: Manitowoc County, Township 17N, Range 21E, Section 24. 1953-06-22

[s.l.]: [s.n.], 1953-06-22

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STAND RECORD

FORESTS

Stand No. 3570

Name:

County: Manitowish

Date: 6-22-53

Size of Stand:

Forest Type: Maple

Topography: Rolling with steep slopes

Locality:

T: 17N R: 21E Sec: 24N

Observers: Christensen

Size of Area Sampled:

Soil Type:

Slope:

Directions

20 points
10 quad

Condition of Stand:

A near original stand. Almost no evidence of cutting.
Deer were reported in the general area last winter.
One fresh deer track was observed. No evidence of browsing.

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

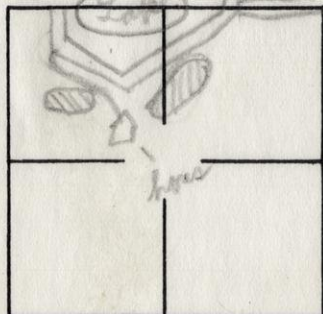
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

x = browse presence

Map:



Plant Ecology Research
TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3570

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															
Acer rubru	1	1	1			116	1	1.41	5	5.0	2.33	1.25	0.25	3.83	22.98
A. sacchar	16	43	33	10		2596	41	57.75	50	80.0	37.21	53.75	41.25	132.21	1322.10
A. spicatu															
Betula lut															
B. papyrif															
Carpinus c							1	1.41							
Fagus gran	3	5	3	2		599	9	12.68		15.0	6.98	6.25	9.52	22.75	227.50
Ostrya vir	8	10	10			204	17	23.94	40	40.0	18.60	12.50	3.24	34.34	309.06
Picea glau															
Pinus Bank															
P. resinosa															
P. Strobus	3	7	1	6		1200	1	1.41		15.0	6.98	8.75	19.07	34.80	174.00
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra	7	9	2	7		1148				35.0	16.28	11.25	18.24	45.77	274.62
Tilia amer							1	1.41							
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Frax. am	3	3	1	2		300			40	15.0	6.98	3.75	4.77	15.50	124.00
Quercus alba	2	2		2		230				10.0	4.65	2.50	3.65	10.80	43.20
Prunus sp.									10						
	43	80	51	29		6293	71	100.01			100.01	100	99.99	300.00	2497.46

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

78.7

[illegible]

NORTHERN PINE-HARDWOODS

Stand No. 3570

[illegible]

3570

20 .0015 Acre Quadrat Summary

Tree reprod. (1 ft.-4 in. DBH)	# Quads	Freq. %	% Sum Freq.	# Qds. 1-1	F % 1-1	% F 1-1	# Qds. 1-4	% F 1-4	% F 1-4	% F S-S
Abies bals										
Acer rubrum										
A. sacchar	9		391	9			2			
A. spicatu										
Alnus rug										
Amelanchier										
Betula lut.										
B. papyrif										
Carpinus c.										
Crataegus										
Fagus grand										
Fraxinus nig										
F. americana	6		261	6						
Larix lar										
Ostrya vir	6		261	6						
Picea glau										
Picea mari										
Pinus bank										
Pinus resin										
Pinus strob										
populus ba										
P. grandid										
P. tremulo										
Prunus pen										
Prunus ser										
Prunus vir										
Q. rubra										
Q. ellipt.										
Sorbus dec										
Tilia amer	2		87	2						
Tsuga cana										
Thuja occi										
Ulmus amer										
	23		1000							793

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3570

Quadrat No. 6-10

Actaea pachypoda

Actaea rubra

Adiantum pedatum

Allium tricoccum

Anemone quinquefolia

Aquilegia canadensis

Aralia nudicaulis 4

Aralia racemosa

Arisaema atrorubens 1

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

Scutellaria latiflora 2
 Carex narrows 35
 Amphicarpa 3

Fragaria virginiana

Galium lanceolatum

Galium triflorum 24

Gaultheria procumbens 4 concinnum

Gaylussacia baccata

Geranium maculatum

Geum canadense

Gnaphalium obtusifolium

Helianthemum sp.

Helianthus strumosus

Hepatica acutiloba

Hepatica americana 5

Impatiens biflora

Linnaea borealis

Lonicera oblongifolia

Lupinus perennis

Lycopodium annotinum

Lycopodium complanatum

Lycopodium lucidulum

Lycopodium obscurum

Lysimachia quadrifolia

Maianthemum canadense 3

Mitchella repens

Mitella diphylla

Mitella nuda

Monotropa uniflora

Myrica asplenifolia

Onoclea sensibilis

Oryzopsis asperifolia 5

Osmorhiza claytoni 2

Oxalis montana

Phryma leptostachya

Polygala pauciflora

Polygonatum commutatum

Polygonatum pubescens 2345

Potentilla simplex

Prenanthes alba

Pteridium aquilinum

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

Trillium grandiflorum

Uvularia grandiflora 5

Uvularia sessilifolia 3

Vaccinium angustifolium

Vaccinium pennsylvanicum

Viburnum acerifolium 5

Viola canadensis

Viola cucullata

Viola pallens

Viola pubescens

Waldsteinia fragarioides

TABULATION FORM

Univ. of Wisconsin

Stand No. 3570

[illegible]

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Stand No. 3570

[illegible]

Stand No. 3570

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3570

[illegible]

[illegible]

Stand No. 3570

[illegible]

20.0015 Acre Quadrat Summary

<i>Broune</i> Schrubs	# Quad.	Freq. %	% Sum Freq.	% Σ F S-S				
Betula pum								
Cornus alt								
Cornus rug								
Cornus stol								
Corylus amer								
Corylus corn								
Diervilla lon								
Dirca palus								
Ilex vertic								
Ledum groen								
Lonicera can	1	16.7	16.7					
Lonicera obl								
Nemopanthus m.								
Rhamnus aln								
Rhus typhina								
Ribes american								
Ribes cyno								
Ribes hirt								
Ribes lacus								
Ribes triste								
Rosa								
Rubus parvi								
Rubus - black								
Rubus - rasp								
Salix								
Sambucus can								
S. pubens								
Taxus can								
Vaccinium can								
Viburnum acer	2	33.3	33.3					
Viburnum af								
Viburnum lentago								
<i>Hamelia</i>	1	16.7	16.7					
<i>Amelanchier</i>	1	16.7	16.7					
<i>Cistaceae</i>	1	16.7	16.7					
	6	100.0	100.0	20.7				
	23			79.3				
	29			100.0				

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3570

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
 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 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
 Lycopodium americanus
 Lycopodium uniflora
 Lysimachia quadrifolia
 ✓ Maianthemum canadense

Melampyrum lineare
 Mitchellia 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:

Lonicula maundia
Carex tuckermanni
 " narrow
 Prickly ash
Arctium

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3570
Quadrat No. 1-5

Frax americana 123
Alnus racch. 24
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia 3
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus 5
Aster sagittifolius 3
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 23
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana 123
Impatiens biflora
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 12

Potentilla simplex
Prenanthes alba
Pteridium aquilinum
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 5
Trientalis borealis
Trillium grandiflorum
Uvularia grandiflora 2
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Sedge-narrow leaf 1234

Carex truxperma 3

Poa pratensis 4

Carex - W 5

Amphicarpa 5