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Site 3590: Taylor County, Township 33N, Range 1W, Section 31. 1953-07-15

[s.l.]: [s.n.], 1953-07-15

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Yard

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3590

Name:

County: Taylor

Date: 7-15-53

Size of Stand:

Forest Type: aspen

Topography: rolling, upland

Locality:

T: 33N R: 1W Sec: 31

Observers:

Christensen

Size of Area Sampled:

20 points
25 quadrats

Soil Type:

Slope:

Directions

Condition of Stand:

An open stand of aspen. Pteridium completely covering ground. No cutting. Only two very large, old stumps observed.

Deer tracks were seen. All browse even Corylus and Carpinus were heavily used. Spruce was not touched. Abies completely. Very little cover & very little food available.

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

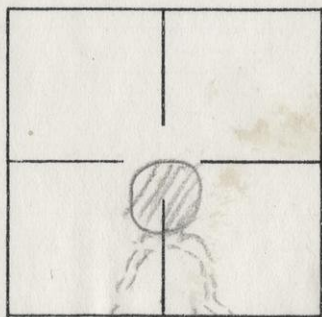
CHARACTERISTICS (Color, Texture, Structure, etc.)

Soil Profile	Characteristics
A ₀	
A ₁	
A ₂	
B	

Parent Material:

X = browse species

Map:



New Logging Trail

Yard

Northern Pine-Hardwoods

Station Number: 3590

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	2	3	3			104	1	1.25		10.0	7.41	3.75	2.51	13.67	95.69 61.5
Acer rubru	1	1	1			38	5	6.25	5	5.0	3.70	1.25	0.92	5.87	35.22 35.22
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif	2	2	2			66	3	3.75	5	10.0	7.41	2.50	1.59	11.50	57.50 57.50
Carpinus c							11	13.75	5						
Fagus gran															
Ostrya vir															
Picea glau							4	5.00							
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid							1	1.25							
P. tremulo	20	71	63	8		3814	29	36.25	25	100	74.07	88.75	92.17	254.99	509.98 892.65
Prunus pen							6	7.50	5						
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi															
check → Alnus inc Ulmus amer							8	10.00							
→ U. thomasi U. fulva	1	2	2			78	2	2.50	5	5.0	3.70	2.50	1.88	8.08	64.64 56.56
Prunus ser	1	1	1			38	5	6.25	5	5.0	3.70	1.25	0.92	5.87	23.48 35.22
Prunus vir							1	1.25	10						
check → Amelanchier							4	5.00	5						
	27	80	72	8		4138	80	100			99.99	100	99.99	299.98	786.51 1138.66

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3590

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum	1									
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif	1				6		X			
Carpinus car									4	4
Fagus gran										
Ostrya virg										
Picea glau						1	1	1		
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand	(8)	(8)	(8)	(7)	(7)	(9)	(8)	(6)	(5)	7
P. trem	24	4	3	13	5	6	12	6	10	6
Prunus pen.	8	X	X	X	X	X	X	X	X	X
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
over	X	X		X	X	X	X	X	X	X
Blackberry	X	X	X	X	X	X			X	
Var. can		X								
Prunus ser				X						
Distance			2							

72
3814

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3590

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Abies balsam</i>							5	9	1	
<i>Acer rubrum</i>						X	7	3		
<i>A. sacchar.</i>										
<i>A. spicatum</i>										
<i>Betula lut.</i>										
<i>B. papyrif</i>						7			2	
<i>Carpinus car</i>			3						X	
<i>Fagus gran</i>										
<i>Ostrya virg</i>										
<i>Picea glau</i>						1				
<i>Pinus Bank</i>										
<i>P. resinosa</i>										
<i>P. Strobus</i>										
<i>Populus bals</i>										
<i>P. grand</i>	(7)	(10)	(12)	(10)	(7)	(9)		(10)		(7)
<i>P. trem</i>	(7)	(9)	(8)	(7)	(7)	(11)	2	(8)	8	(12)
	(7)	(7)	(11)	(9)	(4)	(10)	7	(8)	1	(11)
<i>Prunus pen.</i>	6									
<i>Quercus ell</i>										
<i>Q. rubra</i>										
<i>Tilia amer</i>										
<i>Tsuga can</i>										
<i>Thuja occ</i>										
<i>Ulmus amer</i>										
<i>U. fulva</i>										
<i>Corylus com</i>	X	X	X	X			X	X		X
<i>Prunus spi</i>	X	X	X							1
" ser.	7	2	1							
<i>Diervilla</i>	X		X	X	X	X	X	X		X
Distance										

32
1974

HERB FREQUENCY

✓ Pop. trem 124⑩
 ✓ Prunus pen 2

Actaea pachypoda

Actaea rubra

Adiantum pedatum

Allium tricoccum

Anemone quinquefolia 4

Aquilegia canadensis

Aralia nudicaulis

Aralia racemosa

Arisaema atrorubens

Aster macrophyllus 346789⑩

Aster sagittifolius 1236

Athyrium angustum 457

Botrychium virginianum

Brachyelytrum erectum 2359⑩

Carex albursina

Caulophyllum thalictroides

Chimaphila umbellata

Circaea alpina

Circaea latifolia

Clintonia borealis

Coptis trifolia

Corallorrhiza maculata

Cornus alternifolia

Cornus canadensis 7

Cornus rugosa

Corylus americana

Corylus cornuta 49⑩

Cypripedium acaule

Diervilla lonicera 1456789⑩

Dirca palustris

Dryopteris linnaeana

Dryopteris phegopteris

Dryopteris spinulosa 6

Epifagus virginiana

Epigaea repens

Carex nanow 2456

Var. can 27

Thistle 3

amphicarpa 3679

abscurum and 45

Rosette, ciliat 5 Heracium scabrum

NORTHERN PINE-HARDWOODS

✓ Prunus serotina 5
 ✓ Bet. pop 7

Fragaria virginiana 12356789

Galium lanceolatum

Galium triflorum

Gaultheria procumbens

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 28

Lysimachia quadrifolia

Maianthemum canadense

Mitchella repens

Mitella diphylla 2

Mitella nuda

Monotropa uniflora

Myrica asplenifolia

Onoclea sensibilis

Oryzopsis asperifolia 1345678

Osmorhiza claytoni

Oxalis montana

Phryma leptostachya

Polygala pauciflora

Polygonatum commutatum

Polygonatum pubescens 8

Taraxacum ⑩

Stand No. 3590
 Quadrat No. 1-10

Potentilla simplex

Prenanthes alba 2

Pteridium aquilinum 123456789

Pyrola elliptica

Pyrola rotundifolia

Pyrola secunda 2

Ranunculus recurvatus

Rhus radicans

Ribes americanum

Rosa sp. "cynosbati" 6

Rubus parviflorus

Rubus (blackberry) 12346⑩

Rubus (dewberry)

Sambucus pubens

Sanguinaria canadensis

Sanicula gregaria

Smilacina racemosa

Smilacina stellata

Smilax ecirrhata

Solidago ulmifolia

Streptopus roseus

Taxus canadensis

Thalictrum dioicum

Trientalis borealis 4

Trillium grandiflorum

Uvularia grandiflora

Uvularia sessilifolia

Vaccinium angustifolium

Vaccinium pennsylvanicum

Viburnum acerifolium

Viola canadensis

Viola cucullata

Viola pallens

Viola pubescens

Waldsteinia fragarioides

HERB FREQUENCY.

Amelanchier
✓ *Pop. trem.*

Actaea pachypoda

Actaea rubra

Adiantum pedatum

Allium tricoccum

Anemone quinquefolia ⑩

Aquilegia canadensis

Aralia nudicaulis

Aralia racemosa

Arisaema atrorubens

Aster macrophyllus 1246789⑩

" *umbellatus* 2 ⑩

Aster sagittifolius 345689

Athyrium angustum

Botrychium virginianum

Brachyelytrum erectum 3579⑩

Carex albursina

Caulophyllum thalictroides

Chimaphila umbellata

Circaea alpina

Circaea latifolia

Clintonia borealis

Coptis trifolia

Corallorrhiza maculata

Cornus alternifolia 4

Cornus canadensis 68⑩

Cornus rugosa

Corylus americana

Corylus cornuta 3478⑩

Cypripedium acaule

Diervilla lonicera 45679⑩

Dirca palustris

Dryopteris linnaeana

Dryopteris phegopteris

Dryopteris spinulosa/

Epifagus virginiana

Epigaea repens

Carex nanus 12349

Amphicarpia 2356⑩

Apocynum and. 38

Parthenocissus 3

Lactuca can 9

NORTHERN PINE-HARDWOODS

✓ *Prunus mi* 12✓ *Ulmus thomasi* 3

Fragaria virginiana 123567⑩

Galium lanceolatum

Galium triflorum

Gaultheria procumbens

Gaylussacia baccata

Geranium maculatum

Geum canadense

Gnaphalium obtusifolium

Helianthemum sp.

Helianthus strumosus

Hepatica acutiloba

Hepatica americana 35

Impatiens biflora

Linnaea borealis

Lonicera oblongifolia

Lupinus perennis

Lycopodium annotinum

Lycopodium complanatum

Lycopodium lucidulum

Lycopodium obscurum

Lysimachia quadrifolia

Maianthemum canadense

Mitchella repens 8

Mitella diphylla 2

Mitella nuda

Monotropa uniflora

Myrica asplenifolia

Onoclea sensibilis

Oryzopsis asperifolia 23569⑩

Osmorhiza claytoni 2 ⑩

Oxalis montana

Phryma leptostachya

Polygala pauciflora

Polygonatum commutatum

Polygonatum pubescens 1247

Stand No. 3590

Quadrat No. 11-20

✓ *Acer rubrum* 6 *

Potentilla simplex

Prenanthes alba

Pteridium aquilinum 1234567⑩

Pyrola elliptica

Pyrola rotundifolia

Pyrola secunda

Ranunculus recurvatus

Rhus radicans

Ribes americanum

Rosa sp.

Rubus parviflorus

Rubus (blackberry) 3578

Rubus (dewberry) 2

Sambucus pubens

Sanguinaria canadensis

Sanicula gregaria

Smilacina racemosa

Smilacina stellata

Smilax ecirrhata

Solidago ulmifolia

Streptopus roseus 8

Taxus canadensis

Thalictrum dioicum

Trientalis borealis

Trillium grandiflorum

Uvularia grandiflora

Uvularia sessilifolia

Vaccinium angustifolium

Vaccinium pennsylvanicum

Viburnum acerifolium

Viola canadensis

Viola cucullata

Viola pallens

Viola pubescens

Waldsteinia fragarioides

✓ * *Conium* 9

Data Form No. 23

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3590

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3590

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>	✓							✓									✓		✓		✓	✓	
<i>Cornus foemina</i>																							
<i>Cornus rugosa</i>																							
<i>Corydalis</i> sp.																							
<i>Corylus americana</i>																							
<i>Corylus cornuta</i>	✓				✓					✓	✓				✓	✓		✓	✓		✓	8	
<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>	✓	✓			✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓		✓	✓	14	
<i>Dirca palustris</i>																							
<i>Dryopteris boottii</i>																							
<i>Dryopteris cristata</i>																							
<i>Dryopteris goldiana</i>																							
<i>Dryopteris disjuncta</i>																							
<i>Dryopteris phegopteris</i>																							
<i>Dryopteris spinulosa</i>	✓					✓					✓											2	
<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>	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓		✓		15	

Stand No. 3590

ADDITIONAL FORM																						
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>																						
<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>	✓													✓		✓						2
<i>Heuchera richardsonii</i>																						
<i>Hieracium canadense</i>																						
<i>Hieracium scabrum</i>	✓					✓																1
<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>	✓																		✓			1
<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>																						
<i>Lupinus perennis</i>																						
<i>Luzula acuminata</i>																						
<i>Luzula multiflora</i>																						

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3590

[illegible]

[illegible]

Stand No. 3590

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3590

~~✓~~ *Abies balsamea*
~~✓~~ *Acer rubrum*
~~✓~~ *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
Sorbus decora
Thuja occidentalis
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
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

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Melampyrum lineare	Pyrola elliptica	Smilax herbacea
Mitchella repens	Pyrola rotundifolia	Smilax hispida
Mitella diphylla	Pyrola secunda	Solidago latifolia
Mitella nuda	Ranunculus abortivus	Solidago ulmifolia
Monarda fistulosa	Ranunculus recurvatus	Streptopus amplexifolius
Moneses uniflora	Ranunculus septentrionalis	Streptopus roseus
Monotropa uniflora	Rhus radicans	Taxus canadensis
Myrica asplenifolia	Rhus typhina	Thalictrum dioicum
Onoclea sensibilis	Ribes americanum	Tiarella cordifolia
Oryzopsis asperifolia	Ribes cynosbati	Trientalis borealis
Osmorhiza claytoni	Ribes lacustre	Trillium cernuum
Osmunda cinnamomea	Ribes triste	Trillium grandiflorum
Osmunda claytoniana	Rubus idaeus	Uvularia grandiflora
Oxalis montana	Rubus parviflorus	Uvularia sessilifolia
Panax quinquefolia	Rubus hispidus	Vaccinium angustifolium
Parietaria pennsylvanica	Rubus - blackberry	Vaccinium pennsylvanicum
Parthenocissus vitacea	Rubus - dewberry	Viburnum acerifolium
Pedicularis lanceolata	Rubus - raspberry	Viburnum affine
Phyrma leptostachya	Sambucus canadensis	Viburnum lentago
Podophyllum peltatum	Sambucus pubens	Viola canadensis
Polemonium reptans	Sanguinaria canadensis	Viola cucullata
Polygala pauciflora	Sanicula gregaria	Viola incognita
Polygonatum commutatum	Schizachne purpurascens	Viola pallens
Polygonatum pubescens	Scutellaria lateriflora	Viola pubescens
Potentilla simplex	Shepherdia canadensis	Vitis aestivalis
Prenanthes alba	Smilacina racemosa	Vitis riparia
Pteretis nodulosa	Smilacina stellata	Waldsteinia fragarioides
Pteridium aquilinum	Smilax ecirrhata	Zanthoxylum americanum

Additional Species:

Ilex
Cornus stolonifera
 ? *Milkwed, road side*
Geranium scabrum
Eupatorium maculatum
Ribes hudsonianus