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Site 3588: Taylor County, Township 33N, Range 1W, Section 35; Township 33N, Range 1W, Section 36. 1953-07-15

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

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Yard

STAND RECORD

FORESTS

Stand No. 3588

Name:

County: Taylor

Date: 7-15-53

Size of Stand:

Forest Type:

Topography:

Locality:

T: 33N R: 1W Sec: 35, 36

Observers:

Christensen

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

rolling essentially lowland
Sphagnum & Polytrichum on floor in lower places
Many old stumps, some up to 3 feet in diameter, mostly rotten. Trees large. Good stand.
Browse heavily used. Deer tracks numerous.
Yard apparently centered in lower places. Sampling was done primarily in the low places.

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

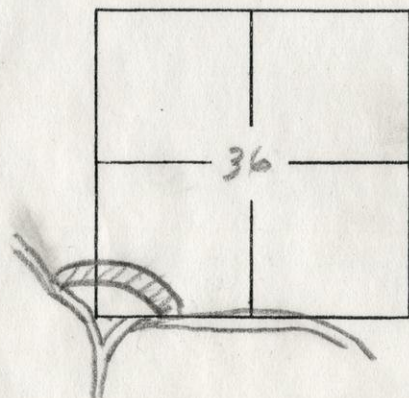
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

X = browse presence

Map:



Plant Ecology Research
TREE DATA SUMMARY SHEET

University of Wisconsin

Northern Pine-Hardwoods

Station Number: 3588

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.
			-80	-320	321										
Abies bals	4	4	4			92	19	13.01	40	10.0	3.60	2.50	1.14	7.24	21.72
Acer rubru	27	43	42	1		1708	22	15.07	65	67.5	24.32	26.88	21.14	72.34	506.38
A. sacchar	4	7	7			145	7	4.79		10.0	3.60	4.38	1.79	9.77	97.70
A. spicatu									15						
Betula lut	22	25	19	6		1356	11	7.53	15	55.0	19.82	15.63	16.78	52.23	339.50
B. papyrif	7	14	14			343	11	7.53		17.5	6.31	8.75	4.24	19.30	86.85
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	3	3	2	1		183				7.5	2.70	1.88	2.26	6.84	10.26
Pinus Bank															
P. resinosa															
P. Strobus	3	3	2	1		346	1	0.68		7.5	2.70	1.88	4.28	8.86	26.58
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
→ Frax. nig Quercus el	7	9	9			245	1	0.68		12.5	6.31	5.63	3.03	14.97	67.37
Q. rubra	1	1	1			38				2.5	0.90	0.63	0.47	2.00	17.00
→ Tilia amer	1	1	1			13	2	1.37		2.5	0.90	0.63	0.16	1.69	1.69
Tsuga cana	24	41	28	13		3299	10	6.85	30	10.0	21.62	25.63	10.82	88.07	660.53
Thuja occi	7	7	7			38				2.5	0.90	0.63	0.47	2.00	4.00
→ Picea mar Ulmus amer	2	2	2			88	2	1.37		5.0	1.80	1.25	1.09	4.14	6.21
→ Prunus vir U. fulva									5						
Alnus nig							59	40.41	25						
Frax. am	1	1	1			20			5	2.5	0.90	0.63	0.25	1.78	9.79
Prunus ser	4	5	5			167	1	0.68	5	10.0	3.60	3.13	2.07	8.80	61.60
	111	160	138	22		8081	146	99.97			99.98	100.06	99.99	300.03	1917.18

AVE. DIST. BTWN TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

50.51

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3580

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam		X			X					
Acer rubrum	5	7	10	7	5	7	4	1	12	4
A. sacchar.	5	X			6	X				
A. spicatum		X		X		X				
Betula lut.			6	12			4	5	7	4
B. papyrif								3		
Carpinus car								3		
Fagus gran										
Ostrya virg										
Picea glau manana									8	7
Pinus Bank										
P. resinosa										
P. Strobus							14		10	
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus el)										
Q. rubra										
Tilia amer										
Tsuga can		7		11	14	10				5
Thuja occ		12	7	8						
Ulmus amer										
U. fulva										
Alnus inc			X	4	2	3	X	1		
Frax nigra	X		4			6				
Corylus corn	X				X			X		
Prunus vir		X								
Distance										

over

Stand No. 3588

over

Distances	1	2	3	4	5	6	7	8	9	10
<i>Corylus con</i>						X				
<i>Rasp.</i>						X				
<i>Lon. car</i>						X			X	
<i>Ribes glab.</i>									X	
<i>Pinus strobus</i>										
<i>Thuja occ.</i>										
<i>Juniperus communis</i>	5	10		15	2	10	15	10	5	
<i>Lilium</i>										
<i>O. latifolia</i>				5						
<i>Quercus sp.</i>										
<i>Prunella sp.</i>										
<i>R. fl.</i>										
<i>R. bl.</i>										
<i>Salix sp.</i>										
<i>R. glabra</i>	15									
<i>R. lucida</i>										
<i>Pinus strobus</i>										
<i>Picea canadensis</i>								2		
<i>Aspen</i>										
<i>Fagus</i>										
<i>Corylus</i>										
<i>R. fl.</i>				2	1	1	3			
<i>R. bl.</i>	1	1	1	1	1	1	1	1	1	1
<i>A. spicata</i>										
<i>A. canadensis</i>										
<i>Acacia</i>	2	2				3	8	8		
<i>Salix</i>	5	1	1			1	1	1	1	1
STATION NO.	1	2	3	4	5	6	7	8	9	10

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

STATION NO.

3788

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3588

STATION NO.	21	2	3	4	5	6	7	8	9	10
Abies balsam		X	7 2	4		X	1		1	
Acer rubrum		4 1		5	X	6	5 7	(7) 2		6 3
A. sacchar.						(8) 6		7		6
A. spicatum			X	X		6				
Betula lut.	7 1	5 1	1	7	7		X			X
B. papyrif					5					
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	14 10 3	10 4	5 8 16	1	4 8	6	10	6	14 20 8 14	6 1
Thuja occ										
Ulmus amer										
U. fulva										
Alnus inc		X 1		4 X	X 4	X 3	3	X 2		
Corylus am	X								X	
Prunus ser.	6								X	
"		X								
Distance										

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3588

STATION NO.	11	2	3	4	5	6	7	8	9	10
Abies balsam					X					6
Acer rubrum	4 8 10	7		6	5	10 7		6	2 (9)	
A. sacchar.				4	X			X	5	4
A. spicatum				X			X			X
Betula lnt.		6	6			4	2		14	(5) (4)
B. papyrif					1		7 5	2 6	1	
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau					12		8			
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer					6 (14)					
Tsuga can						4				
Thuja occ			7							
Ulmus amer										
U. fulva										
over	X 4	X 4	X 4		2					
Frax nigra		7	5	4						4
Prunus ser				7				7	8	
Corylus cor					X			X		
Distance										

NE

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3588
Quadrat No. 1-10✓ Bot. lat. 18⑩
✓ Funga 12789⑩✓ Acer rubrum 12345789
✓ Abies 27⑩

Potentilla simplex

Actaea pachypoda

Fragaria virginiana

Prenanthes alba

Actaea rubra

Galium lanceolatum

Pteridium aquilinum

Adiantum pedatum

Galium triflorum

Pyrola elliptica

Allium tricoccum

Gaultheria procumbens 45

Pyrola rotundifolia

Anemone quinquefolia

Gaylussacia baccata

Pyrola secunda

Aquilegia canadensis

Geranium maculatum

Ranunculus recurvatus

Aralia nudicaulis 45

Geum canadense

Rhus radicans

Aralia racemosa

Gnaphalium obtusifolium

Ribes americanum

Arisaema atrorubens

Helianthemum sp.

Rosa sp. Hudson 9

Aster macrophyllus 5

Helianthus strumosus

Rubus parviflorus

Aster sagittifolius

Hepatica acutiloba

Rubus (blackberry)

Athyrium angustum umbellatus 6

Hepatica americana

Rubus (dewberry)

Botrychium virginianum

Impatiens biflora

Sambucus pubens

Brachyelytrum erectum

Linnaea borealis

Sanguinaria canadensis

Carex albursina

Lonicera oblongifolia

Sanicula gregaria

Caulophyllum thalictroides

Lupinus perennis

Smilacina racemosa

Chimaphila umbellata

Lycopodium annotinum

Smilacina stellata

Circaea alpina

Lycopodium complanatum

Smilax ecirrhata

Circaea latifolia

Lycopodium lucidulum 5

Solidago ulmifolia

Clintonia borealis 257

Lycopodium obscurum

Streptopus roseus

Coptis trifolia 28⑩

Lysimachia quadrifolia

Taxus canadensis

Corallorrhiza maculata

Maianthemum canadense 123479⑩

Thalictrum dioicum

Cornus alternifolia

Mitchella repens ⑩

Trientalis borealis 257⑩

Cornus canadensis 1457

Mitella diphylla

Trillium grandiflorum

Cornus rugosa

Mitella nuda

Uvularia grandiflora

Corylus americana

Monotropa uniflora

Uvularia sessilifolia

Corylus cornuta

Myrica asplenifolia

Vaccinium angustifolium

Cypripedium acaule

Onoclea sensibilis

Vaccinium pennsylvanicum Can 5

Diervilla lonicera

Oryzopsis asperifolia 4

Viburnum acerifolium

Dirca palustris

Osmorhiza claytoni

Viola canadensis

Dryopteris linnaeana

Oxalis montana

Viola cucullata

Dryopteris phegopteris

Phryma leptostachya

Viola pallens incognita 68

Dryopteris spinulosa 25678

Polygala pauciflora

Viola pubescens

Epifagus virginiana

Polygonatum commutatum

Waldsteinia fragarioides

Epigaea repens

Polygonatum pubescens

✓ Lycopodium am 168
✓ Osmunda cinn 1358✓ Albans mg 15
✓ Hemopanthus 5⑩
✓ Calamagrostis can 68
✓ Iris m 4✓ Carex trisperma 139
✓ Carex (1) 12✓ Sedge 2
Big sedge, drooping 3,69

✓ Polygonum arifolium 6

HERB FREQUENCY

✓ *Acer rubrum* 2787 (10)
 ✓ *Acer sp.* 47 (10)

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia 45
Aquilegia canadensis
Aralia nudicaulis 58
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus 4 (10)
Aster sagittifolius
Athyrium angustum
Botrychium virginianum 8
Brachyelytrum erectum 478
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 7
Coptis trifolia 57
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 457
Cornus rugosa
Corylus americana
Corylus cornuta 58
Cypripedium acaule
Diervilla lonicera 5
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 2 (10)
Epifagus virginiana
Epigaea repens

Big drop. sedge 1
 ✓ *Carex trisperma* 1268
 ✓ *Lycopodium am.* 26
 ✓ *Calamagrostis can.* 3
Carex narrow 47
Osmund clayton. 5
 ✓ *Flax thumb* 6

NORTHERN PINE-HARDWOODS

✓ *Abies* 4578 (10)
 ✓ *Frax am* 8
Fragaria virginiana 7
Galium lanceolatum
Galium triflorum 8 (10)
 " *infido* 17
Gaultheria procumbens 5
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 8
Lysimachia quadrifolia
Maianthemum canadense 457 (10)
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis 3
Oryzopsis asperifolia 4 (10)
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 49

Carex (9) 9 (10)

Stand No. 3580
 Quadrat No. 18-20

✓ *Pumilus* 9 (10)
Potentilla simplex
Prenanthes alba
Pteridium aquilinum 5
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp. *hudson* 12
Rubus parviflorus
Rubus (blackberry) 7
Rubus (dewberry)
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 579 (10)
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens *incognita* 2 (10)
Viola pubescens 8
Waldsteinia fragarioides

✓ *Alnus* 123
 ✓ *Scut. lat.* 236
ellipt. m. 6
 ✓ *Smilacina trifolia*

[illegible]

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Stand No. 2588

[illegible]

Data Form No. 23

Plant Ecology Research

Univ. of Wisconsin

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3588

[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3588

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Prenanthes alba</i>	✓																						
<i>Prunella vulgaris</i>																							
<i>Pteretis pensylvanica</i>																							
<i>Pteridium aquilinum</i>	✓															✓						✓	
<i>Pyrola asarifolia</i>																							
<i>Pyrola elliptica</i>																							
<i>Pyrola minor</i>																							
<i>Pyrola rotundifolia</i>																							
<i>Pyrola secunda</i>																							
<i>Pyrola virens</i>																							
<i>Ranunculus abortivus</i>																							
<i>Ranunculus recurvatus</i>																							
<i>Ranunculus septentrional</i>																							
<i>Rhus radicans</i>																							
<i>Rhus typhina</i>																							
<i>Ribes americanum</i>																							
<i>Ribes cynosbati</i>																							
<i>Ribes lacustre</i>																							
<i>Ribes triste</i>																							
<i>Rosa</i> sp.																							
<i>Rubus idaeus</i>																							
<i>Rubus parviflorus</i>																							
<i>Rubus hispidus</i>																							
<i>Rubus</i> - blackberry	✓																	✓				✓	
<i>Rubus</i> - dewberry																							
<i>Rubus</i> - raspberry	✓																						
<i>Salix</i> sp.	✓																						
<i>Sambucus canadensis</i>	✓																						
<i>Sambucus pubens</i>																							
<i>Sanguinaria canadensis</i>																							
<i>Sanicula gregaria</i>																							
<i>Sanicula marilandica</i>																							
<i>Schizachne purpurascens</i>																							
<i>Scutellaria lateriflora</i>	✓												✓	✓			✓					✓	
<i>Senecio aureus</i>																							
<i>Shepherdia canadensis</i>																							
<i>Smilacina racemosa</i>																							
<i>Smilacina stellata</i>																							
<i>Smilax ecirrhata</i>																							
<i>Smilax herbacea</i>																							
<i>Smilax hispida</i>																							
<i>Solidago canadensis</i>																							
<i>Solidago flexicaulis</i>																							
<i>Solidago ulmifolia</i>																							
<i>Spiraea alba</i>																							
<i>Stellaria longifolia</i>																							
<i>Streptopus amplexifolius</i>																							
<i>Streptopus roseus</i>	✓																						
<i>Symphoricarpos albus</i>																							
<i>Taxus canadensis</i>																							
<i>Thalictrum dioicum</i>																							

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No.

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3588

[illegible]

STAND NO.

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3588

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3588

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

Selig

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 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
Lycopus americanus
Lycopus uniflora
Lysimachia quadrifolia
Maianthemum canadense

Melampyrum lineare	Pyrola elliptica	Smilax herbacea
✓ Mitchellia 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
Phytolacca 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
Pteris nodulosa	Smilacina stellata	Waldsteinia fragarioides
✓ Pteridium aquilinum	Smilax ecirrhata	Zanthoxylum americanum

Additional Species:

- ✓ Olex
 ✓ Orchid (3588)
 ✓ Nemophanthus
 ✓ Calamagrostis can.
 ✓ Iris vir.
 ✓ opp. ellipt. extirp.
 ✓ ellipt. monocot (3586)
 ✓ Vac. can.
 ✓ Calla palustris
 ✓ Slyceria stans
 ✓ Teu. shrub.
 ✓ Ascle. pumilus
 ✓ Carex intumescens
 ✓ Polygonum ciliolobum
 ✓ Cypripedium acaule
 ✓ Lysimachia ciliata
 ✓ Smilacina trifolia