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T-18N-R 7E-S19

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3066

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															
Acer rubru															
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank	35	69	69			2120	15	94.0			83.6	86.3	66.8	236.7	237
P. resinosa															
P. Strobus															
Populus ba															
P. grandid	1	2	2			44					2.4	2.5	1.4	6.3	13
P. tremulo	1	2	2			60					2.4	2.5	1.9	6.8	14
Prunus pen															
Quercus el	4	6	3	2	1	915	1	6.0			9.6	7.5	28.8	45.9	92
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Quercus alba	1	1	1			35					2.4	1.3	1.1	4.8	19
	42	80	77	2	1	3174		100.0			100.4	100.1	100.0	309.5	375

AVE. DIST. BTW N TREES:

15.0

AVE B. A.:

40.0

TREES/ACRE:

220

DOM./ACRE:

8800

3066

Tree	# Pts	# Tr.	Size Cl. sq in -80:-320:-321	# Dom.	# Gap	# Seed	F.% Seed	F.% Tr.	D.% Tr.	Dom % Tr.	D F D Index	Station No. 45
Acer rubrum												Total Length of Transect. 600 ft.
A. sacchar.												Total Area of Transect. 2250 ft ²
Carya cord.												Ave. Dist. Btw'n Trees 15 ft.
C. ovata												Saplings/unit area 309/acre
Fagus gran.												Ave. BA (Total BA=80) 40 in ²
Fraxinus am												No. Trees/acre 220
F. penn.												Dom./acre 8800 in ²
Juglans cin												
J. nigra												
Ostrya vir.												
Populus gr.	1	2	2		44		2.3	2.5	1.4	6.2	12	
P. tremuloi	1	2	2		60		2.3	2.5	1.4	6.7	7	
Prunus sero												
Quercus al.	1	1	1		35		2.3	1.3	1.1	4.7	19	
Q. macrocar												
Q. rubra												
Q. velutina	3	3	1	2	4/6	19	6	2.5	6.8	3.8	13.1	24.4 24
Tilia amer.												
Ulmus amer.												
U. fulva												
Pinus Banks	35	69	69		2120	290	94	25	79.5	86.3	66.8	232.6 116
Q. macrosp.	3	3	1		499				6.8	3.8	15.7	26.3 79
Totals	80	77	2	1	3174							257 69 326

1350

III Pine Woods Survey

Point Record - Trees

Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana 13 29			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 6

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana 26 28			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 7 1/2

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana 18 21			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 18 1/2

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana 22 39			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 12

III Pine Woods Survey

Point Record - Trees

Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	21	50	Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	29	
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	36	35	Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	28	
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi	207	
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	19		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	23	
Acer negundo			Fraxinus penn.			Quercus alba	33	
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.	348	
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	19	

III Pine Woods Survey

Point Record - Trees

Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	3233		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	17	
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	3772		Quercus sp.		
Betula lutea			Pinus resinosa	32ap		Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	32 1/2	
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	2761		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	18 1/2	
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	1661		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	7	

III Pine Woods Survey

Point Record - Trees

Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	26 37		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 11		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	2012		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 8		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	1928		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 11 1/2		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	1222		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 8		

III Pine Woods Survey

Point Record - Trees

Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	1316		Quercus sp.		
Betula lutea			Pinus resinosa	225p		Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 11		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	1718		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 12 1/2		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi	49	
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.	79	
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 10 1/2		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	1853		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 5		

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Ammi-carpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Quercus
lob. sp.

Pinus Banksiana 3026
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana ✓
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

1 2 1/2

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: 2 Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Ampelocarpus bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicentra Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

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 Sol of

Pinus Banksiana 3321
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

16

Pine Woods Survey I

Section: Township: Range: County: 3 Place:
 Date: Observer: Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Diervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

myrica
sol sp

Pinus Banksiana 4552
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

242

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Ampelocarpus bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

typica
dewberry

viola sag.

Pinus Banksiana ✓ 2845
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina ✓
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

15

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: 5 Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemesia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Viola sag
Rubus idaeus
Sol. sp.

Pinus Banksiana 4565
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

19

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description: 6

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Erigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobancha uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

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Pinus Banksiana
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

28 1/2

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description: 7

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corydalis americana	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicervilla lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

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Pinus Banksiana 4279
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: 8 Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum ✓	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum bitermum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicentra Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens ✓	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobancha uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata ✓	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitacea
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Pteridium
Carex pen

Pinus Banksiana
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana ✓
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra 72
Quercus macrocarpa
Quercus velutina 160
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa ✓
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis ✓
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia ✓
Vaccinium angustifolium ✓
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

10

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: 9 Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Diervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Pteridium
Carex pa

Pinus Banksiana
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata 1430
Populus tremuloides
Potentilla arguta
Potentilla simplex
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

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Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description: 10

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Dicervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Chimaphila
 Carex pa.
 Sol sp.

Pinus Banksiana 14 31
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina ✓
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis ✓
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

15

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: 11 Station No: 45
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Diervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

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sol sp

Pinus Banksiana 19 8 ap
 Pinus resinosa
 Pinus Strobus
 Podophyllum peltatum
 Polemonium reptans
 Polygonatum biflorum
 Polygonatum pubescens
 Polypodium vulgare
 Populus grandidentata
 Populus tremuloides
 Potentilla arguta
 Potentilla simplex
 Prenanthes alba
 Prunus pennsylvanica
 Prunus serotina
 Prunus virginiana
 Pyrola elliptica
 Pyrola rotundifolia
 Quercus alba
 Quercus rubra
 Quercus macrocarpa
 Quercus velutina
 Ranunculus acris
 Ranunculus abortivus
 Ranunculus fascicularis

Rhus glabra
 Rhus radicans
 Rhus typhina
 Ribes Cynosbati
 Ribes hirtellum
 Ribes missouriense
 Robinia Pseudo-Acacia
 Rosa sp.
 Rubus sp.
 Rudbeckia hirta
 Sambucus canadensis
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula marilandica
 Scutellaria parvula
 Smilacina racemosa
 Smilacina stellata
 Smilax echinrata
 Smilax hispida
 Solidago latifolia
 Sorbus decora
 Specularia perfoliata
 Stellaria media
 Tephrosia virginiana

Thalictrum dioicum
 Tilia americana
 Tradescantia Ohiensis
 Trientalis borealis
 Trillium grandiflorum
 Tsuga canadensis
 Ulmus americana
 Uvularia grandiflora
 Uvularia sessilifolia
 Vaccinium angustifolium
 Vaccinium canadense
 Veronica americana
 Veronicastrum virgin.
 Viburnum acerifolium
 Viburnum affine
 Viburnum Lentago
 Vicia sp.
 Viola cucullata
 Viola pubescens
 Viola pedata
 Vitis aestivalis
 Woodsia ilvensis
 Zanthoxylum americana

Additional species:

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Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description: 12

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Diervilla lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Salix disc
 Quercus
 Sol sp.

Pinus Banksiana 5550
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

27

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description: 13

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum ✓	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum biternatum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Diervilla Lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemesia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobanche uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

dearb.
 Mel occ.

Pinus Banksiana ✓ 2728
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata ✓
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

17

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 45
 Habitat Description: 14

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum	Cornus canadensis	Ilex verticillata
Acer saccharum	Cornus femina	Impatiens biflora
Acer spicatum	Cornus rugosa	Isopyrum bitermum
Achillaea Millefolium	Corydalis aurea	Juglans cinerea
Adiantum pedatum	Corydalis sempervivens	Juglans nigra
Amelanchier canadensis	Corylus americanus	Juniperus communis
Amelanchier laevis	Corylus cornuta	Juniperus virginiana
Amorpha canescens	Crataegus sp.	Krigia biflora
Amphicarpa bracteata	Cystopteris fragilis	Lactuca sp.
Anemone canadensis	Dentaria laciniata	Laportea canadensis
Anemone cylindrica	Desmodium nudiflorum	Lathyrus ochroleucus
Anemone quinquefolia	Dicentra canadensis	Lathyrus venosus
Antennaria sp.	Diervilla lonicera	Lespedeza capitata
Apocynum cannabinum	Dioscorea villosa	Liparis lilifolia
Aquilegia canadensis	Dodecatheon Meadia	Lithospermum canescens
Arabis canadensis	Dryopteris Cristata	Lobelia inflata
Arabis lyrata	Dryopteris Linneana	Lobelia spicata
Aralia nudicaulis	Dryopteris marginalis	Lonicera dioica
Arctostaphylos uva-ursi	Dryopteris Phegopteris	Lonicera oblongifolia
Arenaria lateriflora	Dryopteris spinulosa	Lonicera prolifera
Arisaema atrorubens	Epigaea repens	Lupinus perennis
Artemisia caudata	Erigeron ramosus	Lychnis alba
Asarum canadense	Erysimum cheiranthoides	Lycopodium complanatum
Asclepias syriaca	Erythronium albidum	Lycopodium obscurum
Aster macrophyllus	Euphorbia corollata	Lycopus americana
Aster sagittifolius	Fragaria sp.	Lysimachia quadrifolia
Athyrium angustum	Fraxinus americana	Maianthemum canadense
Baptisia leucophaea	Fraxinus nigra	Menispermum canadensis
Betula lutea	Galium Aparine	Mentha sp.
Betula papyrifera	Galium concinnum	Mitchella repens
Botrychium virginianum	Gaultheria procumbens	Mitella diphylla
Campanula rotundifolia	Gaylussacia baccata	Oenothera biennis
Carpinus caroliniana	Geranium maculatum	Opuntia Rafinesquii
Carya cordiformis	Gnaphalium obtusifolium	Orobancha uniflora
Carya ovata	Goodyera pubescens	Osmorhiza Claytoni
Ceanothus americanus	Habenaria psychodes	Osmunda Claytoniana
Celtis occidentalis	Hamamelis virginiana	Ostrya virginiana
Chimaphila umbellata	Helianthemum canadense	Oxalis violacea
Circaea latifolia	Hepatica acutiloba	Parthenocissus vitaceo
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Pinus Banksiana ✓ 3957
Pinus resinosa
Pinus Strobus
Podophyllum peltatum
Polemonium reptans
Polygonatum biflorum
Polygonatum pubescens
Polypodium vulgare
Populus grandidentata
Populus tremuloides
Potentilla arguta
Potentilla simplex ✓
Prenanthes alba
Prunus pennsylvanica
Prunus serotina
Prunus virginiana
Pyrola elliptica
Pyrola rotundifolia
Quercus alba
Quercus rubra
Quercus macrocarpa
Quercus velutina
Ranunculus acris
Ranunculus abortivus
Ranunculus fascicularis

Rhus glabra
Rhus radicans
Rhus typhina
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Robinia Pseudo-Acacia
Rosa sp.
Rubus sp.
Rudbeckia hirta
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria parvula
Smilacina racemosa
Smilacina stellata ✓
Smilax echinrata
Smilax hispida
Solidago latifolia
Sorbus decora
Specularia perfoliata
Stellaria media
Tephrosia virginiana

Thalictrum dioicum
Tilia americana
Tradescantia Ohiensis
Trientalis borealis
Trillium grandiflorum
Tsuga canadensis
Ulmus americana
Uvularia grandiflora
Uvularia sessilifolia ✓
Vaccinium angustifolium
Vaccinium canadense
Veronica americana
Veronicastrum virgin.
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Vicia sp.
Viola cucullata
Viola pubescens
Viola pedata
Vitis aestivalis
Woodsia ilvensis
Zanthoxylum americana

Additional species:

15

Acer negundo
Acer rubrum
Acer saccharum
Acer spicatum
Amelanchier sp.
Betula lutea
Betula papyrifera
Carpinus carol.
Carya cordif.
Carya ovata
Crataegus sp.
Fraxinus amer.

Fraxinus penn.
Fraxinus lanceo.
Juglans cinerea
Ostrya virgin.
Pinus Banksiana
Pinus resinosa
Pinus Strobus
Populus grand.
Populus trem.
Prunus pensyl.
Prunus serotina
Prunus virgin.

Quercus alba
Quercus ellipsoid.
Quercus macroc.
Quercus rubra
Quercus sp.
Sorbus decora
Tilia amer.
Tsuga canad.
Ulmus amer.
Ulmus fulva

Distance:

1545
Soil type:
Granby Sand and
Plainfield Sand

II Pine Wood Survey

Point Record

Stand No.: 43

Actaea rubra
Adiantum pedatum
Alettris farinosa
Anemone canadensis
Anemone cylindrica
Anemone quinquefolia
Apocynum cannabinum
Arabis canadensis
Aralia hispida
Arenaria lateriflora
Arisaema strorubens
Asarum canadense
Asclepias amplexic.
Asclepias phytolac.
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Boehmeria cylindrica
Botrychium virginianum
Bromus Kalmii
Campanula aparinoides
Campanula rotundif.
Ceanothus americanus
Chamaedaphne caly.
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis semperv.
Corylus cornuta
Cryptotaenia can.
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon Meadia
Dryopteris cristata
Dryopteris Linnæana
Dryopteris marg.
Dryopteris Pheg.
Equisetum arvense
Equisetum hyemale
var. affine
Erechtites hier.

Erysimum cheir.
Erythronium albidum
Eupatorium perf.
Galium aparine
Galium asperellum
Galium Claytoni
Galium concinnum
Galium lanceolatum
Gerardia Gattingeri
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bick.
Hepatica acutiloba
Hydrophyllum virg.
Hypericum Kalmianum
Ilex verticillata
Impatiens biflora
Iris virginica
var. Shrevei
Isopyrum biternatum
Juncus tenuis
Laportea canadensis
Lechea intermedia
Ledum groenlandicum
Lespedeza capitata
Liatris aspera
Liatris cylindrica
Liatris pycnostachya
Lilium michiganense
Linaria canadensis
Liparis lilifolia
Lobelia cardinalis
Lobelia inflata
Lobelia spicata
Lonicera dioica
Lonicera oblongif.
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum can.
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobancha uniflora
Osmunda cinnamomea
Oxypolis rigidier
var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
var. wisconsinensis

Physocarpus opulif.
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteretis nodulosa
Pycnanthemum virg.
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylv.
Rhus copallina
Rhus glabra
var. borealis
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria can.
Sanicula marilandica
Scutellaria epilob.
Scutellaria parvula
var. Leonardi
Silphium perfoliatum
Solidago castrensis
Solidago graminifolia
var. remota
Solidago hispida
Solidago missouriensis
var. glaberrima
Specularia perfoliata
Spiraea alba
Spiraea tomentosa
var. rosea
Sporobolus crypt.
Steironema lanc.
Stellaria media
Symphoricarpos albus
Taenidia integ.
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virg.
Viburnum acerif.
Viburnum affine
Viburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Corylus an
Lumb.

Aster laevis

Potamogeton

Helianthus scab

III Pine Woods Survey

Point Record - Trees

Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	16	16	Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 10 1/2

II Pine Wood Survey

Point Record

Stand No.: 45

Actaea rubra	Erysimum cheir.	Physocarpus opulif.
Adiantum pedatum	Erythronium albidum	Podophyllum peltatum
Aletris farinosa	Eupatorium perf.	Polemonium reptans
Anemone canadensis	Galium aparine	Polygala sanguinea
Anemone cylindrica	Galium asperellum	Polygonatum pubescens
Anemone quinquefolia	Galium Claytoni	Potentilla arguta
Apocynum cannabinum	Galium concinnum	Prunella vulgaris
Arabis canadensis	Galium lanceolatum	Pteretis nodulosa
Aralia hispida	Gerardia Gattingeri	Pycnanthemum virg.
Arenaria lateriflora	Habenaria psycodes	Ranunculus abortivus
Arisaema strobilifera	Hamamelis virginiana	Ranunculus acris
Asarum canadense	Helianthemum Bick.	Ranunculus pensylv.
Asclepias amplexic.	Hepatica acutiloba	Rhus copallina
Asclepias phytolac.	Hydrophyllum virg.	Rhus glabra
Asclepias syriaca	Hypericum Kalmianum	var. borealis
Asclepias tuberosa	Ilex verticillata	Rhus Vernix
Aster caeruleus	Impatiens biflora	Ribes cynosbati
Aster puniceus	Iris virginica	Ribes hirtellum
Aster sericeus	var. Shrevei	Ribes missouriense
Baptisia leucantha	Isopyrum biternatum	Rudbeckia laciniata
Baptisia leucophaea	Juncus tenuis	Sambucus pubens
Boehmeria cylindrica	Laportea canadensis	Sanguinaria can.
Botrychium virginianum	Lechea intermedia	Sanicula marilandica
Bromus Kalmii	Ledum groenlandicum	Scutellaria epilob.
Campanula aparinoides	Lespedeza capitata	Scutellaria parvula
Campanula rotundif.	Liatris aspera	var. Leonardi
Ceanothus americanus	Liatris cylindrica	Silphium perfoliatum
Chamaedaphne caly.	Liatris pycnostachya	Solidago castrensis
Circaea latifolia	Lilium michiganense	Solidago graminifolia
Claytonia virginica	Linaria canadensis	var. remota
Clintonia borealis	Liparis lilifolia	Solidago hispida
Conopholis americana	Lobelia cardinalis	Solidago missouriensis
Coptis trifolia	Lobelia inflata	var. glaberrima
Cornus rugosa	Lobelia spicata	Specularia perfoliata
Corydalis aurea	Lonicera dioica	Spiraea alba
Corydalis semperv.	Lonicera oblongif.	Spiraea tomentosa
Corylus cornuta	Lonicera prolifera	var. rosea
Cryptotaenia can.	Lychnis alba	Sporobolus crypt.
Cystopteris fragilis	Lycopodium clavatum	Steironema lanc.
Cyperus filiculmis	Lycopus americana	Stellaria media
Cyperus Schweinitzii	Lysimachia terrestris	Symphoricarpos albus
Danthonia spicata	Menispermum can.	Taenidia integ.
Dentaria laciniata	Mitella diphylla	Thalictrum dioicum
Desmodium nudiflorum	Monarda punctata	Trillium grandiflorum
Dicentra canadensis	Monotropa uniflora	Verbena stricta
Dioscorea villosa	Oenothera biennis	Veronica americana
Dodecatheon Meadia	Oenothera muricata	Veronicastrum virg.
Dryopteris cristata	Optunia Rafinesquii	Virburnum acerif.
Dryopteris Linnaeana	Orobancha uniflora	Virburnum affine
Dryopteris marg.	Osmunda cinnamomea	Virburnum Lentago
Dryopteris Pheg.	Oxypolis rigidier	Viola eriocarpa
Equisetum arvense	var. longifolia	Viola incognita
Equisetum hyemale	Pedicularis canadensis	Viola pallens
var. affine	Pellaea glabella	Viola pubescens
Erechtites hier.	Pentstemon gracilis	Woodsia ilvensis
	var. wisconsinensis	

Corylus
Quercus

Vaccinium Can.

P. x Simpson

Ant.

III Pine Woods Survey

Point Record - Trees

17 Stand No.: 45

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	2 30		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 7 1/2

II Pine Wood Survey

Point Record

17 Stand No.: 45

Actaea rubra	Erysimum cheir.	Physocarpus opulif.
Adiantum pedatum	Erythronium albidum	Podophyllum peltatum
Aletris farinosa	Eupatorium perf.	Polemonium reptans
Anemone canadensis	Galium aparine	Polygala sanguinea
Anemone cylindrica	Galium asperellum	Polygonatum pubescens
Anemone quinquefolia	Galium Claytoni	Potentilla arguta
Apocynum cannabinum	Galium concinnum	Prunella vulgaris
Arabis canadensis	Galium lanceolatum	Pteretis nodulosa
Aralia hispida	Gerardia Gattingeri	Pycnanthemum virg.
Arenaria lateriflora	Habenaria psycodes	Ranunculus abortivus
Arisaema strorubens	Hamamelis virginiana	Ranunculus acris
Asarum canadense	Helianthemum Bick.	Ranunculus pensylv.
Asclepias amplexic.	Hepatica acutiloba	Rhus copallina
Asclepias phytolac.	Hydrophyllum virg.	Rhus glabra
Asclepias syriaca	Hypericum Kalmianum	var. borealis
Asclepias tuberosa	Ilex verticillata	Rhus Vernix
Aster caeruleus	Impatiens biflora	Ribes Cynosbati
Aster puniceus	Iris virginica	Ribes hirtellum
Aster sericeus	var. Shrevei	Ribes missouriense
Baptisia leucantha	Isopyrum biternatum	Rudbeckia laciniata
Baptisia leucophaea	Juncus tenuis	Sambucus pubens
Boehmeria cylindrica	Laportea canadensis	Sanguinaria can.
Botrychium virginianum	Lechea intermedia	Sanicula marilandica
Bromus Kalmii	Ledum groenlandicum	Scutellaria epilob.
Campanula aparinoides	Lespedeza capitata	Scutellaria parvula
Campanula rotundif.	Liatris aspera	var. Leonardi
Ceanothus americanus	Liatris cylindrica	Silphium perfoliatum
Chamaedaphne caly.	Liatris pycnostachya	Solidago castrensis
Circaea latifolia	Lilium michiganense	Solidago graminifolia
Claytonia virginica	Linaria canadensis	var. remota
Clintonia borealis	Liparis lilifolia	Solidago hispida
Conopholis americana	Lobelia cardinalis	Solidago missouriensis
Coptis trifolia	Lobelia inflata	var. glaberrima
Cornus rugosa	Lobelia spicata	Specularia perfoliata
Corydalis aurea	Lonicera dioica	Spiraea alba
Corydalis semperv.	Lonicera oblongif.	Spiraea tomentosa
Corylus cornuta	Lonicera prolifera	var. rosea
Cryptotaenia can.	Lychnis alba	Sporobolus crypt.
Cystopteris fragilis	Lycopodium clavatum	Steironema lanc.
Cyperus filiculmis	Lycopus americana	Stellaria media
Cyperus Schweinitzii	Lysimachia terrestris	Symphoricarpos albus
Danthonia spicata	Menispermum can.	Taenidia integ.
Dentaria laciniata	Mitella diphylla	Thalictrum dioicum
Desmodium nudiflorum	Monarda punctata	Trillium grandiflorum
Dicentra canadensis	Monotropa uniflora	Verbena stricta
Dioscorea villosa	Oenothera biennis	Veronica americana
Dodecatheon Meadia	Oenothera muricata	Veronicastrum virg.
Dryopteris cristata	Optunia Rafinesquii	Virburnum acerif.
Dryopteris Linnaeana	Crobanche uniflora	Virburnum affine
Dryopteris marg.	Osmunda cinnamomea	Virburnum Lentago
Dryopteris Pheg.	Oxypolis rigidier	Viola eriocarpa
Equisetum arvense	var. longifolia	Viola incognita
Equisetum hyemale	Pedicularis canadensis	Viola pallens
var. affine	Pellaea glabella	Viola pubescens
Erechtites hier.	Pentstemon gracilis	Woodsia ilvensis
	var. wisconsinensis	

Q. sp.

Acer negundo
Acer rubrum
Acer saccharum
Acer spicatum
Amelanchier sp.
Betula lutea
Betula papyrifera
Carpinus carol.
Carya cordif.
Carya ovata
Crataegus sp.
Fraxinus amer.

Fraxinus penn.
Fraxinus lanceo
Juglans cinerea
Ostrya virgin.
Pinus Banksiana
Pinus resinosa
Pinus Strobus
Populus grand.
Populus trem.
Prunus pensyl.
Prunus serotina
Prunus virgin.

Quercus alba
Quercus ellipsoi
Quercus macroc.
Quercus rubra
Quercus sp.
Sorbus decora
Tilia amer.
Tsuga canad.
Ulmus amer..
Ulmus fulva

Distance: 6

II Pine Wood Survey

Point Record

Stand No.: 45

Actaea rubra
Adiantum pedatum
Aletris farinosa
Anemone canadensis
Anemone cylindrica
Anemone quinquefolia
Apocynum cannabinum
Arabis canadensis
Aralia hispida
Arenaria lateriflora
Arisaema strobilifera
Asarum canadense
Asclepias amplexic.
Asclepias phytolac.
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Boehmeria cylindrica
Botrychium virginianum
Bromus Kalmii
Campanula aparinoides
Campanula rotundif.
Ceanothus americanus
Chamaedaphne caly.
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis semperv.
Corylus cornuta
Cryptotaenia can.
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon Meadia
Dryopteris cristata
Dryopteris Linnaea
Dryopteris marg.
Dryopteris Pheg.
Equisetum arvense
Equisetum hyemale
var. affine
Erechtites hier.

Erysimum cheir.
Erythronium albidum
Eupatorium perf.
Galium aparine
Galium asperellum
Galium Claytoni
Galium concinnum
Galium lanceolatum
Gerardia Gattingeri
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bick.
Hepatica acutiloba
Hydrophyllum virg.
Hypericum Kalmianum
Ilex verticillata
Impatiens biflora
Iris virginica
var. Shrevei
Isopyrum biternatum
Juncus tenuis
Laportea canadensis
Lechea intermedia
Ledum groenlandicum
Lespedeza capitata
Liatris aspera
Liatris cylindrica
Liatris pycnostachya
Lilium michiganense
Linaria canadensis
Liparis lilifolia
Lobelia cardinalis
Lobelia inflata
Lobelia spicata
Lonicera dioica
Lonicera oblongif.
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum can.
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesqui
Orobancha uniflora
Osmunda cinnamomea
Oxypolis rigidier
var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
var. wisconsinensis

Physocarpus opulif.
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteretis nodulosa
Pycnanthemum virg.
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylv.
Rhus copallina
Rhus glabra
var. borealis
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria can.
Sanicula marilandica
Scutellaria epilob.
Scutellaria parvula
var. Leonardi
Silphium perfoliatum
Solidago castrensis
Solidago graminifolia
var. remota
Solidago hispida
Solidago missouriensis
var. glaberrima
Specularia perfoliata
Spiraea alba
Spiraea tomentosa
var. rosea
Sporobolus crypt.
Steironema lanc.
Stellaria media
Symphoricarpos albus
Taenidia integ.
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virg.
Viburnum acerif.
Viburnum affine
Viburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Leub.
Corm. spith
Sol. sp.
Potentilla simp

Acer negundo
Acer rubrum
Acer saccharum
Acer spicatum
Amelanchier sp.
Betula lutea
Betula papyrifera
Carpinus carol.
Carya cordif.
Carya ovata
Crataegus sp.
Fraxinus amor.

Fraxinus penn.
Fraxinus lanceo.
Juglans cinerea
Ostrya virgin.
Pinus Banksiana
Pinus resinosa
Pinus Strobus
Populus grand.
Populus trem.
Prunus pensyl.
Prunus serotina
Prunus virgin.

Quercus alba
Quercus ellipsoi.
Quercus macroc.
Quercus rubra
Quercus sp.
Sorbus decora
Tilia amer.
Tsuga canad.
Ulmus amer.
Ulmus fulva

Distance: 8

II Pine Wood Survey

Point Record

19 Stand No.: 45

Actaea rubra
Adiantum pedatum
Aletris farinosa
Anemone canadensis
Anemone cylindrica
Anemone quinquefolia
Apocynum cannabinum
Arabis canadensis
Aralia hispida
Arenaria lateriflora
Arisaema strobilifera
Asarum canadense
Asclepias amplexic.
Asclepias phytolac.
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Boehmeria cylindrica
Botrychium virginianum
Promus Kalmii
Campanula aparinoides
Campanula rotundif.
Ceanothus americanus
Chamaedaphne caly.
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis semperv.
Corylus cornuta
Cryptotaenia can.
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon Meadia
Dryopteris cristata
Dryopteris Linnaeana
Dryopteris marg.
Dryopteris Pheg.
Equisetum arvense
Equisetum hyemale
var. affine
Erechtites hier.

Erysimum cheir.
Erythronium albidum
Eupatorium perf.
Galium aparine
Galium asperellum
Galium Claytoni
Galium concinnum
Galium lanceolatum
Gerardia Gattingeri
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bick.
Hepatica acutiloba
Hydrophyllum virg.
Hypericum Kalmianum
Ilex verticillata
Impatiens biflora
Iris virginica
var. Shrevei
Isopyrum biternatum
Juncus tenuis
Laportea canadensis
Lechea intermedia
Ledum groenlandicum
Lespedeza capitata
Liatris aspera
Liatris cylindrica
Liatris pycnostachya
Lilium michiganense
Linaria canadensis
Liparis lilifolia
Lobelia cardinalis
Lobelia inflata
Lobelia spicata
Lonicera dioica
Lonicera oblongif.
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum can.
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobancha uniflora
Osmunda cinnamomea
Oxypolis rigidier
var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
var. wisconsinensis

Physocarpus opulif.
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteretis nodulosa
Pycnanthemum virg.
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylv.
Rhus copallina
Rhus glabra
var. borealis
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria can.
Sanicula marilandica
Scutellaria epilob.
Scutellaria parvula
var. Leonardi
Silphium perfoliatum
Solidago castrensis
Solidago graminifolia
var. remota
Solidago hispida
Solidago missouriensis
var. glaberrima
Specularia perfoliata
Spiraea alba
Spiraea tomentosa
var. rosea
Sporobolus crypt.
Steironema lanc.
Stellaria media
Symphoricarpos albus
Taenidia integ.
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virg.
Virburnum acerif.
Virburnum affine
Virburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Acer negundo
Acer rubrum
Acer saccharum
Acer spicatum
Amelanchier sp.
Betula lutea
Betula papyrifera
Carpinus carol.
Carya cordif.
Carya ovata
Crataegus sp.
Fraxinus amer.

Fraxinus penn.
Fraxinus lanceol.
Juglans cinerea
Ostrya virgin.
Pinus Banksiana
Pinus resinosa
Pinus Strobus
Populus grand.
Populus trem. 29 31
Prunus pensyl.
Prunus serotina
Prunus virgin.

Quercus alba
Quercus ellipsoi
Quercus macroc.
Quercus rubra
Quercus sp. 20 45
Sorbus decora
Tilia amer.
Tsuga canad.
Ulmus amer.
Ulmus fulva

Distance: 9

II Pine Wood Survey

Point Record

Stand No.: 20 98

Actaea rubra
Adiantum pedatum
Alettris farinosa
Anemone canadensis
Anemone cylindrica
Anemone quinquefolia
Apocynum cannabinum
Arabis canadensis
Aralia hispida
Arenaria lateriflora
Arisaema strorubens
Asarum canadense
Asclepias amplexic.
Asclepias phytolac.
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Boehmeria cylindrica
Botrychium virginianum
Bromus Kalmii
Campanula aparinoides
Campanula rotundif.
Ceanothus americanus
Chamaedaphne caly.
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis semperv.
Corylus cornuta
Cryptotaenia can.
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon Meadia
Dryopteris cristata
Dryopteris Linnaeana
Dryopteris marg.
Dryopteris Pheg.
Equisetum arvense
Equisetum hyemale
var. affine
Erechtites hier.

Erysimum cheir.
Erythronium albidum
Eupatorium perf.
Galium aparine
Galium asperellum
Galium Claytoni
Galium concinnum
Galium lanceolatum
Gerardia Gattingeri
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bick.
Hepatica acutiloba
Hydrophyllum virg.
Hypericum Kalmianum
Ilex verticillata
Impatiens biflora
Iris virginica
var. Shrevei
Isopyrum biternatum
Juncus tenuis
Laportea canadensis
Lechea intermedia
Ledum groenlandicum
Lespedeza capitata
Liatris aspera
Liatris cylindrica
Liatris pycnostachya
Lilium michiganense
Linaria canadensis
Liparis lilifolia
Lobelia cardinalis
Lobelia inflata
Lobelia spicata
Lonicera dioica
Lonicera oblongif.
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum can.
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobanche uniflora
Osmunda cinnamomea
Oxypolis rigidier
var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
var. wisconsinensis

Physocarpus opulif.
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteretis nodulosa
Pycnanthemum virg.
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylv.
Rhus copallina
Rhus glabra
var. borealis
Rhus Vernix
Ribes Cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria can.
Sanicula marilandica
Scutellaria epilob.
Scutellaria parvula
var. Leonardi
Silphium perfoliatum
Solidago castrensis
Solidago graminifolia
var. remota
Solidago hispida
Solidago missouriensis
var. glaberrima
Specularia perfoliata
Spiraea alba
Spiraea tomentosa
var. rosea
Sporobolus crypt.
Steironema lanc.
Stellaria media
Symphoricarpos albus
Taenidia integ.
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virg.
Virburnum acerif.
Viburnum affine
Viburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Achillea
Aster
Corylus
fragaria

Pot. simp.
Pteridium
Pycnanthemum

Pine Woods Survey

45

[illegible]

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Carex pensylvanica																				
Carex siccata																				
Ceanothus americanus																				
Ceanothus ovatus																				
Celastrus scandens																				
Chamaedaphne calyculata																				
Chimaphila umbellata																				
Circaea latifolia																				
Claytonia virginica																				
Clematis virginiana																				
Clintonia borealis																				
Comandra umbellata																				
Conoclinium americana																				
Convolvulus spithameus																				
Coptis trifolia																				
Coreopsis palmata																				
Cornus alternifolia																				
Cornus canadensis																				
Cornus femina																				
Cornus rugosa																				
Cornus stolonifera																				
Corydalis aurea																				
Corydalis sempervirens																				
Corylus americana																				
Corylus cornuta																				
Cryptotaenia canadensis																				
Cystopteris fragilis																				
Cyperus filiculmis																				
Cyperus Schweinitzii																				
Cypripedium acaule																				
Danthonia spicata																				
Dentaria laciniata																				
Desmodium acuminatum																				
Desmodium canadense																				
Desmodium nudiflorum																				
Dicentra canadensis																				
Diervilla lonicera																				
Dioscorea villosa																				
Dodecatheon Meadia																				
Dryopteris cristata																				
Dryopteris Linnaeana																				
Dryopteris marginalis																				
Dryopteris Phlegopteris																				
Dryopteris spinulosa																				
Epigaea repens																				
Equisetum arvense																				
Equisetum hyemale var. affine																				
Erechtites hieracifolia																				
Erigeron ramosus																				
Erysimum cheiranthoides																				
Erythronium albidum																				
Eupatorium perfoliatum																				
Euphorbia corollata																				
Fragaria spp.																				

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Galium aparine																				
Galium asperellum																				
Galium Claytoni																				
Galium concinnum																				
Galium lanceolatum																				
Galium triflorum																				
Gaultheria procumbens								✓	✓											
Gaylussacia baccata								✓	✓											
Geranium maculatum																				
Gerardia Gattingeri																				
Geum canadense																				
Euphorbia obtusifolium																				
var. micradenium																				
Goodyera pubescens																				
Habenaria psycodes																				
Hamamelis virginiana																				
Helianthemum Bicknellii																				
Helianthemum canadense		✓		✓			✓		✓											
Helianthus occidentalis														✓						
Heliosis scabra																				
Hepatica acutiloba																				
Hepatica americana																				
Heuchera Richardsonii																				
Hieracium canadense																				
Hieracium scabrum															✓					
Houstonia longifolia																				
Hydrophyllum virginiana																				
Hypericum Kalmianum																				
Hypoxis hirsuta																				
Hystrix patula																				
Ilex verticillata																				
Impatiens biflora																				
Iris virginica var.																				
Shrevei																				
Isonyrum bitematum																				
Juncus Greenii																				
Juncus tenuis																				
Koeleria crisata																				
Krigia biflora																				
Lactuca canadensis																				
Laportea canadensis																				
Lathyrus ochroleucus																				
Lathyrus venosus																				
Lechea intermedia																				
Ledum groenlandicum																				
Lespedeza capitata																				
Liatris aspera																				
Liatris cylindrica																				
Liatris pycnostachya																				
Lilium michiganense																				
Linaria canadensis																				
Liparis lilifolia																				
Lithospermum canescens																				
Lithospermum croceum																				
Lobelia cardinalis																				

2 x 10
5

4 x 20
2 x 10

5

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lobelia inflata																				
Lobelia spicata																				
Lonicera dioica																				
Lonicera oblongifolia																				
Lonicera prolifera																				
Lupinus perennis										✓										5
Lychnis alba																				
Lycopodium clavatum																				
Lycopodium complanatum																				
Lycopodium obscurum																				
Lycopus americana																				
Lysimachia quadrifolia			✓				✓												2	10
Lysimachia terrestris																				5
Maianthemum canadense																			4	
Menispermum canadensis																				
Mentha spp.																				
Mitchella repens																				
Mitella diphylla																				
Monarda fistulosa																				
Monarda punctata																				
Monotropa uniflora																				
Nyrica asplenifolia			✓	✓		✓	✓												4	x 20
Oenothera biennis																				
Oenothera muricata																				
Oncoclea sensibilis																				
Opuntia Rafinesquii																				
Orobanche uniflora																				
Osmorhiza Claytoni																				
Osmunda cinnamomea																				
Osmunda Claytoniana																				
Osmunda regalis																				
Oxalis violacea																				
Oxypholis rigidior var. longifolia																				
Panicum implicatum																				
Panicum spp.																				
Parthenocissus vitacea																				
Pedicularis canadensis																				
Pedicularis lanceolata																				
Pellaea glabella																				
Pentstemon gracilis var. wisconsinensis																				
Phlox pilosa																				
Phryma leptostachya																				
Physalis virginiana																				
Physocarpus opulifolius																				
Poa compressa																				
Podophyllum peltatum																				
Polemonium reptans																				
Polygala polygama																				
Polygala sanguinea																				
Polygonatum beflorum																				
Polygonatum pubescens																				
Polygonella articulata																				
Polypodium virginianum																				
Potentilla arguta																				

[illegible]

THE CORTICOLOUS VEGETATION OF THE NORTHERN WISCONSIN UPLAND
Data collected by William L. Culberson, Summers 1952-1953.

From a 40-tree sample, the continuum index of this stand is.....⁵²⁸
Abbreviations in the data sheets refer to the following species:

<i>Alectoria nidulifera</i>	<i>Parmelia saxatilis</i>	(Bryophytes)
<i>Allarthonia caesia</i>	<i>Parmelia subaurifera</i>	
<i>Anaptychia palmatula</i>	<i>Parmelia subquercifolia</i>	<i>Amblystegium varium</i>
<i>Anaptychia speciosa</i>	<i>Parmelia sulcata</i>	<i>Anomodon attenuatus</i>
<i>Arthonia radiata</i>	<i>Parmelia trichotera</i>	<i>Anomodon minor</i>
<i>Bacidia chlorococca</i>	<i>Parmeliopsis ambigua</i>	<i>Anomodon rostratus</i>
<i>Bacidia fuscorubella</i>	<i>Parmeliopsis hyperopta</i>	<i>Anomodon tristis</i>
<i>Bacidia</i> sp.	<i>Parmeliopsis placorodia</i>	<i>Bazzania trilobata</i>
<i>Buellia punctata</i>	<i>Peltigera canina</i>	<i>Brachythecium</i> sp.
<i>Buellia stillingiana</i>	<i>Pertusaria</i> sp.	<i>Brotherella recurvans</i>
<i>Caloplaca aurantiaca</i>	<i>Physcia aipolia</i>	<i>Campylium hispidulum</i>
<i>Caloplaca cerina</i>	<i>Physcia ascendens</i>	<i>Chamberlainia acuminat</i>
<i>Caloplaca</i> sp.	<i>Physcia ciliata</i>	<i>Dicranum flagellare</i>
<i>Candelaria concolor</i>	<i>Physcia grisea</i>	<i>Dicranum montanum</i>
<i>Candelaria fibrosa</i>	<i>Physcia millegrana</i>	<i>Dicranum</i> sp.
<i>Cetraria atlantica</i>	<i>Physcia orbicularis</i>	<i>Entodon</i> sp.
<i>Cetraria ciliaris</i>	<i>Physcia syncolla</i>	<i>Eurhynchium serrulatum</i>
<i>Cetraria fendleri</i>	<i>Physcia tribacoides</i>	<i>Eurhynchium strigosum</i>
<i>Cetraria oakesiana</i>	<i>Pyrenula leucoplaca</i>	<i>Frullania asagrayana</i>
<i>Cetraria pinastri</i>	<i>Pyrenula nitida</i>	<i>Frullania bolanderi</i>
<i>Cladonia botrytes</i>	<i>Pyxine soorediata</i>	<i>Frullania eboracensis</i>
<i>Cladonia cenotea</i>	<i>Ramalina fastigiata</i>	<i>Heterophyllum</i>
<i>Cladonia chlorophaea</i>	<i>Ramalina pollinaria</i>	haldanianum
<i>Cladonia coniocraea</i>	<i>Rinodina halei</i>	<i>Hypnum reptile</i>
<i>Cladonia cristatella</i>	<i>Rinodina papillata</i>	<i>Hypnum</i> sp.
<i>Cladonia verticillata</i>	<i>Rinodina</i> sp.	<i>Jamesoniella autumnalis</i>
<i>Collema subfurvum</i>	<i>Trypethelium virens</i>	<i>Leskea</i> sp.
<i>Conotrema urceolatum</i>	<i>Usnea</i> sp.	<i>Leucodon sciuroides</i>
<i>Evernia mesomorpha</i>	<i>Xanthoria fallax</i>	<i>Lindbergia brachyptera</i>
<i>Graphis scripta</i>	<i>Xanthoria polycarpa</i>	var. austinii
<i>Lecanora pallida</i>		<i>Lophocolea heterophylla</i>
<i>Lecanora subfusca</i>		<i>Mnium cuspidatum</i>
<i>Lecanora varia</i>		<i>Mnium spinulosum</i>
<i>Lecidea berengeriana</i>		<i>Neckera pennata</i>
<i>Lecidea nylanderi</i>		<i>Orthotrichum</i> sp.
<i>Lecidea vernalis</i>		<i>Plagiochila asplenioide</i>
<i>Lepraria aeruginosa</i>		<i>Plagiothecium</i> sp.
<i>Leptorhaphis epidermidis</i>		<i>Platygyrium repens</i>
<i>Le sym</i> - unknown crustose		<i>Porella platy-</i>
<i>Lobaria pulmonaria</i>		phylloidea
<i>Lobaria quercizans</i>		<i>Ptilidium pulcherrimum</i>
<i>Normandina pulchella</i>		<i>Pylasia</i> sp.
<i>Ochrolechia pallescens</i>		<i>Radula complanata</i>
<i>Opegrapha varia</i>		<i>Tetraphis pellucida</i>
<i>Parmelia andreana</i>		<i>Thuidium delicatulum</i>
<i>Parmelia aurulenta</i>		<i>Ulota crispa</i>
<i>Parmelia borrieri</i>		
<i>Parmelia caperata</i>		
<i>Parmelia cetrarioides</i>		
<i>Parmelia crinita</i>		
<i>Parmelia physodes</i>		
<i>Parmelia rudecta</i>		

Ecology Laboratory
University of Wisconsin
Madison

Cryptogam Summary. DBH Level ~~1000~~ W.L.Culberson. Stand No. 3066-2

No. trees	Ac rub	Ac sac	Be lut	Be pap	Fa gra	Os vir	Pi ban	Pi res	Pi str	Po gra	Po tre	Pr ser	Qu alb	Qu ell	Qu rub	Ti ame	Ts can	Ul ame	Total	Frequency
Ar imp														3					3	8
Ba chl							35	97						4					39	98
Bu pun							29	81						1					30	75
Cn con																			1	3
Ce cil							2	6											2	5
Ce fen							27	75											27	68
Cr neg							25	69						2					27	68
Le pal							1	3											1	3
Le var							8	22											8	20
Li ver							2	6											2	5
Pa s-a														3					3	8
Pa s-g														1					1	3
Pa sul							6	17						4					10	25
Ph aip														3					3	8
Ph mil														1					1	3
Ps pla							7	19											7	18
Ra fas														1					1	3
Ev mes							2	6											2	5
Pa cap							3	8											3	8
Pa phy							1	3											1	3
							148							24					172	

For J. Pine alone

Branch

3066-3

Cryptogam Summary. ~~Level~~ W.L.Culberson. Stand No.....

No. trees	36																36			
	Ac rub	Ac sac	Be lut	Be pap	Fa gra	Os vir	Pi ban	Pi res	Pi str	Po gra	Po tre	Pr ser	Qu alb	Qu ell	Qu rub	Tl ame	Ts can	Ul ame	Total	Frequence
Ar imp							4												4	11
Ba chl							34												34	94
Bu pun							33												33	92
Ce cil							3												3	8
Ce fen							27												27	75
Cr neg							28												28	78
Ev mes							12												12	33
Le var							1												1	3
Li ver							2												2	6
Pa cap							3												3	8
Pa phy							10												10	28
Pa s-a							1												1	3
Pa sul							10												10	28
Ps pla							28												28	78
Pe sp.							6												6	17
Us sp.							1												1	3

not a lichen

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