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3069

Tree	#	#	Size	Cl.	sq. in.	Dom.	Sp.	Sap.	Sap.	F. %	F. %	D. %	Dom %	D	F	D	Station No.
	Pts	Tr.	-80-	-320-	-321-					Tr.	Tr.	Tr.	Tr.	Index			11
Acer rubrum	31	47	45	2		1889	70	50	5	53.4	58.8	45.0	157.2	1100			Total Length of Transect. 500 ft
A. sacchar.																	Total Area of Transect. 1875 ft ²
Carya cord.																	Ave. Dist. Btw'n Trees 12.5 ft
C. ovata																	
Fagus gran.																	Saplings/unit area 139/acre
Fraxinus am																	Ave. BA (Total BA=80) 53 in ²
F. penn.																	No. Trees/acre 322
Juglans cin																	Dom./acre 17066 in ²
J. nigra																	
Ostrya vir.																	
Populus gr.	1	1	1			55				1.7	1.3	1.3	4.3	9			
P. tremuloi	3	5	5			207				5.2	6.3	4.9	16.4	16			
Prunus sero	1	1	1			21				1.7	1.3	0.5	3.5	7			
Quercus al.	5	6	5			757	70	50	7.5	8.6	7.5	18.0	34.1	136			
Q. macrocar																	
Q. rubra	1	1	1			18				1.7	1.3	0.4	3.4	17			
Q. velutina	1	1				96				1.7	1.3	2.3	5.3	5			
Tilia amer.																	
Ulmus amer.																	
U. fulva																	
Betula pop	2	3	3	4		142				3.4	3.8	3.4	10.6	32			
Quercus sp.	12	14	10	4		933				20.7	17.5	22.2	60.4	180			
Larix laricina	1	1				82				1.7	1.3	2.0	5.0	5			
Totals		80	71	8		4200								1507			1450
														615			
														2122			

T18N R7E S-33

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3069

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	31	47	45	2		1889	3	50.0			54.4	58.8	45.0	158.2	949
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif	2	3	3			142					3.5	3.8	3.4	10.7	54
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid	1	1	1			55					1.8	1.3	1.3	4.4	9
P. tremulo	3	5	5			207					5.3	6.3	4.9	16.5	33
Prunus pen															
Quercus el	13	16	11	5		1111					22.8	20.0	26.3	69.1	138
Q. rubra	1	1	1			18					1.8	1.3	0.4	3.5	21
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Prunus ser	1	1	1			21					1.8	1.3	0.5	3.6	14
Quercus alba	5	6	5			1757	3	50.0			8.8	7.5	18.0	34.3	137
	57	80	72	7		14200					100.2	100.3	100.0		1355

AVE. DIST. BTW'N TREES:

12.5

AVE B. A.:

53

TREES/ACRE:

322

DOM./ACRE:

17070

III Pine Woods Survey

Point Record - Trees

Stand No.: 11

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 25			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 101		
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 27			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera 65			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: 15 1/2		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 16 12			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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: 13		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 209			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 91		
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: 13		

III Pine Woods Survey

Point Record - Trees

Stand No.: 11

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 85 53			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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 22 29			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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 63			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 162		
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: 14 1/2		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 46 29			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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: 13 1/2		

III Pine Woods Survey

Point Record - Trees

Stand No.: 11

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 2422			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 29			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand. 55			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 2586			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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: 22 1/2		
Acer negundo			Fraxinus penn.			Quercus alba 102		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem. 47			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 16 1/2		

III Pine Woods Survey

Point Record - Trees

Stand No.: 11

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 28 27 (22)			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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: 20		
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			Quercus sp. 68		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera 35			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: 13		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 33 32			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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 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			Quercus sp. 62 38		
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		

III Pine Woods Survey

Point Record - Trees

Stand No.: 11

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			Quercus sp. 61		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem. 33			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 8 1/2

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 35			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 51		
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			Quercus sp. 54		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera 42			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 74 42			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			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 1/2

3069

Pine Woods Survey I

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

15 ft

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum 1955	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 canadensis	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 vitacea
Claytonia virginica	Hepatica americana	Pedicularis canadensis
Comandra Richardsonii	Heuchera Richardsonii	Pellaea glabella
Conopholis americana	Houstonia longifolia	Physocarpus opulifolius
Coreopsis palmata	Hydrophyllum virgin.	

Osmunda sp.
 Clintonia bon
 Thalictrum dioicum

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:

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: Station No: 11
 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
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.	

Clintonia borealis

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~~ 8547
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:

10 1/2

Pine Woods Survey I

Section: Township: Range: County: Place:
 Date: Observer: 3 Station No: 11
 Habitat Description:

Acer negundo	Cornus alternifolia	Hypoxis hirsuta
Acer rubrum ✓ 32	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.	

Pteridium

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 30
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:

12

Soil type: Granby Sand,
Plainfield Sand, and peat

I Hardwood Survey

Presence & Station Record

Stand No.: 11

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum 44			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides 31			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance: 13 1/2

			Shrubs & Herbs		
Actaea sp.			Eupatorium purpur.		Polygonatum commut.
Adiantum pedat.			Eupatorium rugosum		Polygonatum pubesc.
Agrimonia gryp.			Festuca obtusa		Polygonum virgin.
Allium tricocc.			Fragaria virgin.		Potentilla simpl.
Amphicarpa brac.			Galium aparine		Prenanthes alba
Anemone quinque.			G. circaezans		Pteridium aquil.
A. virginiana			G. concinnum		Pyrola elliptica
Anemonella thal.			G. lanceolatum		Ranunculus abort.
Antennaria sp.			G. triflorum		R. recurvatus
Aplectrum hiem.			Geranium macul.		R. septentrion.
Apocynum andros.			Geum canadense		Rhus radicans
Aquilegia canad.			Goodyera pubesc.		Ribes americanum
Aralia nudicaul.			Habenaria bract.		R. cynosbati
A. racemosa			Hamamelis virg.		R. missouriense
Arenaria later.			Helianthus strum.		Rosa sp.
Arisaema atror.			Hepatica acutil.		Rubus alleghen.
Asarum canad.			Heuchera richard.		R. occidentalis
Aster macrophyll.			Hydrastis canad.		R. strigosus
A. sagittifolius			Hydrophyllum virg.		Sambucus canad.
A. shortii			Hystrix patula		Sanguinaria can.
Athyrium angust.			Impatiens biflora		Sanicula gregaria
Aureolaria grandif.			I. pallida		S. marilandica
Botrychium vir.			Isopyrum bitern.		Smilacina racemosa
Brachyelytrum			Lactuca spicata		S. stellata
Campanula amer.			Laportea canad.		Smilax ecirrhata
Carex albursina			Lapoula virgin.		S. herbacea
C. pennsylvan.			Lathyrus ochrol.		S. hispida
Caulophyllum thal.			Lonicera prolif.		Solidago altissima
Celastrus scan.			Lysimachia quadr.		S. latifolia
Circaea latif.			Maianthemum can.		S. ulmifolia
Claytonia virg.			Menispermum can.		Thalictrum dioicum
Cornus altern.			Mitella diphylla		Trillium cernuum
C. femina			Monarda fistulosa		T. flexipes
C. rugosa			Orchis spectab.		T. grandiflorum
Corylus americana			Oryzopsis racem.		T. recurvatum
Cryptotaenia canad.			Osmorhiza clayton.		Triosteum perfoliatum
Cypripedium pubesc.			C. longistylis		Uvularia grandiflora
Cystopteris frag.			Osmunda clayton.		Veronicastrum virg.
Dentaria laciniata			Panax quinquef.		Viburnum acerifolium
Desmodium acumin.			Panicum latifolium		V. affine
D. nudiflorum			Parietaria pennsylv.		Viola cucullata
Dicentra cucullaria			Parthenocissus vit.		V. pubescens
Dodecatheon meadia			Phlox divaricata		Vitis aestivalis
Dryopteris spinulosa			Phryma leptostachya		V. riparia
Erigeron pulchellus			Podophyllum pelt.		Zanthoxylum americ.
Erythronium albidum			Polemonium reptans		Zizia aurea

Trinitatis bonalis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance: 1.5

Actaea sp.
 Adiantum pedat.
 Agrimonia gryp.
 Allium tricocc.
 Amphicarpa brac.
 Anemone quinque.
 A. virginiana
 Anemonella thal.
 Antennaria sp.
 Aplectrum hiem.
 Apocynum andros.
 Aquilegia canad.
 Aralia nudicaul.
 A. racemosa
 Arenaria later.
 Arisaema atror.
 Asarum canad.
 Aster macrophyll.
 A. sagittifolius
 A. shortii
 Athyrium angust.
 Aureolaria grandif.
 Botrychium vir.
 Brachyelytrum
 Campanula amer.
 Carex albursina
 C. pennsylvan.
 Caulophyllum thal.
 Celastrus scan.
 Circaea latif.
 Claytonia virg.
 Cornus altern.
 C. femina
 C. rugosa
 Corylus americana
 Cryototaenia canad.
 Cypripedium pubesc.
 Cystopteris frag.
 Dentaria laciniata
 Desmodium acumin.
 D. nudiflorum
 Dicentra cucullaria
 Dodecatheon meadia
 Dryopteris spinulosa
 Erigeron pulchellus
 Erythronium albidum

Shrubs & Herbs

Eupatorium purpur.
 Eupatorium rugosum
 Festuca obtusa
 Fragaria virgin.
 Galium aparine
 G. circaezans
 G. concinnum
 G. lanceolatum
 G. triflorum
 Geranium macul.
 Geum canadense
 Goodyera pubesc.
 Habenaria bract.
 Hamamelis virg.
 Helianthus strum.
 Hepatica acutil.
 Heuchera richard.
 Hydrastis canad.
 Hydrophyllum virg.
 Hystrix patula
 Impatiens biflora
 I. pallida
 Isopyrum bitern.
 Lactuca spicata
 Laportea canad.
 Lappula virgin.
 Lathyrus ochrol.
 Lonicera proclif.
 Lysimachia quadr.
 Maianthemum can.
 Menispermum can.
 Mitella diphylla
 Monarda fistulosa
 Orchis spectab.
 Oryzopsis racem.
 Osmorhiza clayton.
 O. longistylis
 Osmunda clayton.
 Panax quinquef.
 Panicum latifolium
 Parietaria pennsylv.
 Parthenocissus vit.
 Phlox divaricata
 Phryma leptostachya
 Podophyllum pelt.
 Polemonium reptans

Polygonatum commut.
 Polygonatum pubesc.
 Polygonum virgin.
 Potentilla simpl.
 Prenanthes alba
 Pteridium aquil.
 Pyrola elliptica
 Ranunculus abort.
 R. recurvatus
 R. septentrion.
 Rhus radicans
 Ribes americanum
 R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus alleghen.
 R. occidentalis
 R. strigosus
 Sambucus canad.
 Sanguinaria can.
 Sanicula gregaria
 S. marilandica
 Smilacina racemosa
 S. stellata
 Smilax ecirrhata
 S. herbacea
 S. hispida
 Solidago altissima
 S. latifolia
 S. ulmifolia
 Thalictrum dioicum
 Trillium cernuum
 T. flexipes
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrium virg.
 Viburnum acerifolium
 V. affine
 Viola cucullata
 V. pubescens
 Vitis aestivalis
 V. riparia
 Zanthoxylum americ.
 Zizia aurea

Urtica dioica sds
 Trifolium
 Vaccinium ang
 Quercus

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	660	
Acer rubrum	32		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 14

			<u>Shrubs & Herbs</u>					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intonsus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex pennsylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypropedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla lonicera			Poa compressa			var. lineariloba		
Dryopteris spin.			Polygala polygama			Viola sagittata		
Eragrostis repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.	3957		Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 10 1/2

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intensus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex penxylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypropedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla lonicera			Poa compressa			var. lineariloba		
Dryopteris spin.			Polygala polygama			Viola sagittata		
Eragrostis repens			Polygonatum biflorum			Vitis aestivalis		
Eriogonon ramosus						Zanthoxylum amer.		

II Pine Wood Survey

Point Record

Stand No.: 11

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 amplexicaulis
Asclepias phytolacca
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophylla
Boehmeria cylindrica
Botrychium virginicum
Bromus Kalmii
Campanula parviflora
Campanula rotundifolia
Ceanothus americanus
Chamaedaphne calyculata
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis sempervirens
Corylus cornuta
Cryptotaenia canadensis
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon meadia
Dryopteris cristata
Dryopteris Linnaea
Dryopteris marginalis
Dryopteris Phlegmaria
Equisetum arvense
Equisetum hyemale
 var. affine
Erechtites hieracifolia

Erysimum cheiranthoides
Erythronium albidum
Eupatorium perfoliatum
Galium aparine
Galium asperellum
Galium Claytonii
Galium concinnum
Galium lanceolatum
Gerardia Guttierifolia
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bicknellii
Hepatica acutiloba
Hydrophyllum virginicum
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 oblongifolia
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum canadense
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobanchaceae uniflora
Osmunda cinnamomea
Oxypolis rigidior
 var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
 var. wisconsinensis

Physocarpus opulifolius
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteris nodulosa
Pycnanthemum virginicum
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylvanicus
Rhus copallina
Rhus glabra
 var. borealis
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria epilobium
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 cryptanthus
Steironema lanceolatum
Stellaria media
Symphoricarpos albus
Taenidia integrifolia
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virginicum
Viburnum acerifolium
Viburnum affine
Viburnum lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	31	21	Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 5

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
Agropyron trachycaulon	Galium boreale	Potentilla simplex
var. glaucum	Galium triflorum	Prenanthes alba
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum
Amorpha canescens	Gaylussacia baccata	var. latiusculum
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda
Anemone virginiana	var. micradenium	Ranunculus fasc.
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.
Apocynum androsaem.	Helianthemum can.	Rhus glabra
Aquilegia canadensis	Helianthus occident.	Rhus radicans
Arabis lyrata	Heliopsis scabra	Rhus typhina
Aralia nudicaulis	Hepatica americana	Ribes americanum
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry
Artemisia caudata	Hieracium scabrum	Rubus-dewberry
Aster azureus	Houstonia longifolia	Rubus-raspberry
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta
var. pendulus	Hystrix patula	Salix discolor
Aster laevis	Juncus Greenii	var. latifolia
Aster macrophyllus	Koeleria crisata	Sambucus canadensis
Aster ptarmicoides	Krigia biflora	Sanicula gregaria
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata
var. intonsus	Lithospermum croceum	Smilax herbacea
Calamagrostis	Lupinus perennis	Smilax hispida
Carex Crawfordii	Lycopodium complan.	Solidago canadensis
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis
Celastrus scandens	Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	Pedicularis lanc.	Vicia villosa
Cypripedium acaule	Phlox pilosa	Viola canadensis
Desmodium acuminatum	Phryma leptostachya	Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla lonicera	Poa compressa	var. lineariloba
Dryopteris spin.	Polygala polygama	Viola sagittata
Epigaea repens	Polygonatum biflorum	Vitis aestivalis
Erigeron ramosus		Zanthoxylum amer.

II Pine Wood Survey

Point Record

Stand No.: 11

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 amplexicaulis
 Asclepias phytolacca
 Asclepias syriaca
 Asclepias tuberosa
 Aster caeruleus
 Aster puniceus
 Aster sericeus
 Baptisia leucantha
 Baptisia leucophylla
 Boehmeria cylindrica
 Botrychium virginicum
 Bromus Kalmii
 Campanula aparinoides
 Campanula rotundifolia
 Ceanothus americanus
 Chamaedaphne calyculata
 Circaea latifolia
 Claytonia virginica
 Clintonia borealis
 Conopholis americana
 Coptis trifolia
 Cornus rugosa
 Corydalis aurea
 Corydalis sempervirens
 Corylus cornuta
 Cryptotaenia canadensis
 Cystopteris fragilis
 Cyperus filiculmis
 Cyperus Schweinitzii
 Danthonia spicata
 Dentaria laciniata
 Desmodium nudiflorum
 Dicentra canadensis
 Dioscorea villosa
 Dodecatheon Meadia
 Dryopteris cristata
 Dryopteris Linnaea
 Dryopteris marginalis
 Dryopteris Phegopteris
 Equisetum arvense
 Equisetum hyemale
 var. affine
 Erigeron hieracifolius

Erysimum cheiranthoides
 Erythronium albidum
 Eupatorium perfoliatum
 Galium aparine
 Galium asperellum
 Galium Claytonia
 Galium concinnum
 Galium lanceolatum
 Gerardia Guttieraria
 Habenaria psycodes
 Hamamelis virginiana
 Helianthemum Bicknellii
 Hepatica acutiloba
 Hydrophyllum virginicum
 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 oblongifolia
 Lonicera prolifera
 Lychnis alba
 Lycopodium clavatum
 Lycopodium americana
 Lysimachia terrestris
 Menispermum canadense
 Mitella diphylla
 Monarda punctata
 Monotropa uniflora
 Oenothera biennis
 Oenothera muricata
 Optunia Rafinesquii
 Orobanche uniflora
 Osmunda cinnamomea
 Oxypolis rigidior
 var. longifolia
 Pedicularis canadensis
 Pellaea glabella
 Pentstemon gracilis
 var. wisconsinensis

Physocarpus opulifolius
 Podophyllum peltatum
 Polemonium reptans
 Polygala sanguinea
 Polygonatum pubescens
 Potentilla arguta
 Prunella vulgaris
 Pteris nodulosa
 Pycnanthemum virginicum
 Ranunculus abortivus
 Ranunculus acris
 Ranunculus pensylvanicus
 Rhus copallina
 Rhus glabra
 var. borealis
 Rhus Vernix
 Ribes cynosbati
 Ribes hirtellum
 Ribes missouriense
 Rudbeckia laciniata
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula marilandica
 Scutellaria epilobium
 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 cryptanthus
 Steironema lanceolatum
 Stellaria media
 Symphoricarpos albus
 Taenidia integerrima
 Thalictrum dioicum
 Trillium grandiflorum
 Verbena stricta
 Veronica americana
 Veronicastrium virginicum
 Virburnum acerifolium
 Viburnum affine
 Viburnum Lentago
 Viola eriocarpa
 Viola incognita
 Viola pallens
 Viola pubescens
 Woodsia ilvensis

Brachyelytrum

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	52		Fraxinus lance			Quercus ellips	96	
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 115

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intensus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex pennsylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypripedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla Lonicera			Poa compressa			var. lineariloba		
Diopteris spin.			Polygala polygama			Viola sagittata		
Epigaea repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

Brachyelytrum

Actaea rubra
 Adiantum pedatum
 Aletris farinosa
 Anemone canadensis
 Anemone cylindrica
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 Apocynum cannabinum
 Arabis canadensis
 Aralia hispida
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 Asclepias phytolacca
 Asclepias syriaca
 Asclepias tuberosa
 Aster caeruleus
 Aster puniceus
 Aster sericeus
 Baptisia leucantha
 Baptisia leucophaea
 Boehmeria cylindrica
 Botrychium virginianum
 Bromus Kalmii
 Campanula aparinoides
 Campanula rotundifolia
 Ceanothus americanus
 Chamaedaphne calyculata
 Circaea latifolia
 Claytonia virginica
 Clintonia borealis
 Conopholis americana
 Coptis trifolia
 Cornus rugosa
 Corydalis aurea
 Corydalis sempervirens
 Corylus cornuta
 Cryptotaenia canadensis
 Cystopteris fragilis
 Cyperus filiculmis
 Cyperus Schweinitzii
 Danthonia spicata
 Dentaria laciniata
 Desmodium nudiflorum
 Dicentra canadensis
 Dioscorea villosa
 Dodecatheon Meadia
 Dryopteris cristata
 Dryopteris Linnaea
 Dryopteris marginalis
 Dryopteris Phlegmaria
 Equisetum arvense
 Equisetum hyemale
 var. affine
 Erechthites hieracifolia

Erysimum cheiranthoides
 Erythronium albidum
 Eupatorium perfoliatum
 Galium aparine
 Galium asperellum
 Galium Claytonia
 Galium concinnum
 Galium lanceolatum
 Gerardia Guttierrezii
 Habenaria psycodes
 Hamamelis virginiana
 Helianthemum Bicknellii
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 Liatris cylindrica
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 Lilium michiganense
 Linaria canadensis
 Liparis lilifolia
 Lobelia cardinalis
 Lobelia inflata
 Lobelia spicata
 Lonicera dioica
 Lonicera oblongifolia
 Lonicera prolifera
 Lychnis alba
 Lycopodium clavatum
 Lycopodium americana
 Lysimachia terrestris
 Menispermum canadense
 Mitella diphylla
 Monarda punctata
 Monotropa uniflora
 Oenothera biennis
 Oenothera muricata
 Optunia Rafinesquii
 Orobanche uniflora
 Osmunda cinnamomea
 Oxypolis rigidior
 var. longifolia
 Pedicularis canadensis
 Pellaea glabella
 Pentstemon gracilis
 var. wisconsinensis

Physocarpus opulifolius
 Podophyllum peltatum
 Polemonium reptans
 Polygala sanguinea
 Polygonatum pubescens
 Potentilla arguta
 Prunella vulgaris
 Pteris nodulosa
 Pycnanthemum virginicum
 Ranunculus abortivus
 Ranunculus acris
 Ranunculus pensylvanicus
 Rhus copallina
 Rhus glabra
 var. borealis
 Rhus Vernix
 Ribes cynosbati
 Ribes hirtellum
 Ribes missouriense
 Rudbeckia laciniata
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula marilandica
 Scutellaria epilobium
 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 cryptanthus
 Steironema lanceolatum
 Stellaria media
 Symphoricarpos albus
 Taenidia integerrima
 Thalictrum dioicum
 Trillium grandiflorum
 Verbena stricta
 Veronica americana
 Veronicastrium virginicum
 Viburnum acerifolium
 Viburnum affine
 Viburnum Lentago
 Viola eriocarpa
 Viola incognita
 Viola pallens
 Viola pubescens
 Woodsia ilvensis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	46		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin	21				
Fraxinus amer.			Prunus virgin.					

Distance: 10

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intonsus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex pennsylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypropedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla Lonicera			Poa compressa			var. lineariloba		
Dryopteris spin.			Polygala polygama			Viola sagittata		
Eragrostis repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

II Pine Wood Survey

Point Record

Stand No.: 11

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 amplexicaulis
Asclepias phytolacca
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophylla
Boehmeria cylindrica
Botrychium virginicum
Bromus Kalmii
Campanula parviflora
Campanula rotundifolia
Ceanothus americanus
Chamaedaphne calyculata
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis sempervirens
Corylus cornuta
Cryptotaenia canadensis
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon Meadia
Dryopteris cristata
Dryopteris Linnaea
Dryopteris marginalis
Dryopteris Phegopteris
Equisetum arvense
Equisetum hyemale
 var. affine
Erechtites hieracifolia

Erysimum cheiranthoides
Erythronium albidum
Eupatorium perfoliatum
Galium aparine
Galium asperellum
Galium Claytoni
Galium concinnum
Galium lanceolatum
Gerardia Guttierifolia
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bicknellii
Hepatica acutiloba
Hydrophyllum virginicum
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 oblongifolia
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum canadense
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Probanche uniflora
Osmunda cinnamomea
Oxypolis rigidior
 var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
 var. wisconsinensis

Physocarpus opulifolius
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteris nodulosa
Pycnanthemum virginicum
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylvanicus
Rhus copallina
Rhus glabra
 var. borealis
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria epilobium
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 cryptanthus
Steironema lanceolatum
Stellaria media
Symphoricarpos albus
Taenidia integrifolia
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virginicum
Viburnum acerifolium
Viburnum affine
Viburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	12	tree
Acer rubrum	27		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 17

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
Agropyron trachycaulon	Galium boreale	Potentilla simplex
var. glaucum	Galium triflorum	Prenanthes alba
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum
Amorpha canescens	Gaylussacia baccata	var. latiusculum
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda
Anemone virginiana	var. micradenium	Ranunculus fasc.
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.
Apocynum androsaem.	Helianthemum can.	Rhus glabra
Aquilegia canadensis	Helianthus occident.	Rhus radicans
Arabis lyrata	Heliopsis scabra	Rhus typhina
Aralia nudicaulis	Hepatica americana	Ribes americanum
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry
Artemisia caudata	Hieracium scabrum	Rubus-dewberry
Aster azureus	Houstonia longifolia	Rubus-raspberry
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta
var. pendulus	Hystrix patula	Salix discolor
Aster laevis	Juncus Greenii	var. latifolia
Aster macrophyllus	Koeleria crisata	Sambucus canadensis
Aster ptarmicoides	Krigia biflora	Sanicula gregaria
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata
var. intonsus	Lithospermum croceum	Smilax herbacea
Calamagrostis	Lupinus perennis	Smilax hispida
Carex Crawfordii	Lycopodium complan.	Solidago canadensis
Carex penxylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis
Celastrus scandens	Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	Pedicularis lanc.	Vicia villosa
Cypropedium acaule	Phlox pilosa	Viola canadensis
Desmodium acuminatum	Phryma leptostachya	Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla Lonicera	Poa compressa	var. lineariloba
Dryopteris spin.	Polygala polygama	Viola sagittata
Epigaea repens	Polygonatum biflorum	Vitis aestivalis
Erigeron ramosus		Zanthoxylum amer.

II Pine Wood Survey

Point Record

Stand No.: 11

Actaea rubra
Adiantum pedatum
Aletris 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 bitermum
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.
Viburnum acerif.
Viburnum affine
Viburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 30			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp. 27		
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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 16

Shrubs & Herbs			
Achillea millefolium	Euphorbia corol.	Polygonella artic.	
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.	
Agropyron trachycaulon	Galium boreale	Potentilla simplex	
var. glaucum	Galium triflorum	Prenanthes alba	
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum	
Amorpha canescens	Gaylussacia baccata	var. latiusculum	
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica	
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia	
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda	
Anemone virginiana	var. micradenium	Ranunculus fasc.	
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.	
Apocynum androsaem.	Helianthemum can.	Rhus glabra	
Aquilegia canadensis	Helianthus occident.	Rhus radicans	
Arabis lyrata	Heliopsis scabra	Rhus typhina	
Aralia nudicaulis	Hepatica americana	Ribes americanum	
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.	
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry	
Artemisia caudata	Hieracium scabrum	Rubus-dewberry	
Aster azureus	Houstonia longifolia	Rubus-raspberry	
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta	
var. pendulus	Hystrix patula	Salix discolor	
Aster laevis	Juncus Greenii	var. latifolia	
Aster macrophyllus	Koeleria crisata	Sambucus canadensis	
Aster ptarmicoides	Krigia biflora	Sanicula gregaria	
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.	
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa	
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata	
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata	
var. intonsus	Lithospermum croceum	Smilax herbacea	
Calamagrostis	Lupinus perennis	Smilax hispida	
Carex Crawfordii	Lycopodium complan.	Solidago canadensis	
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.	
Carex siccata	Lysimachia quadrif.	Solidago juncea	
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis	
Celastrus scandens	Mitchella repens	Solidago speciosa	
Chimaphila umbellata	Monarda fistulosa	var. angustata	
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana	
Comandra umbellata	Onoclea sensibilis	Tradescantia ohio.	
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis	
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora	
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.	
Cornus canadensis	Oxalis violacea	Vaccinium angustif.	
Cornus femina	Panicum implicatum	Vaccinium canadense	
Cornus stolonifera	Parthenocissus vitacea	Vicia americana	
Corylus americana	Pedicularis lanc.	Vicia villosa	
Cypropedium acaule	Phlox pilosa	Viola canadensis	
Desmodium acuminatum	Phryma leptostachya	Viola cucullata	
Desmodium canadense	Physalis virginiana	Viola pedata	
Diervilla lonicera	Poa compressa	var. lineariloba	
Dryopteris spin.	Polygala polygama	Viola sagittata	
Eragrostis repens	Polygonatum biflorum	Vitis aestivalis	
Eriogonon ramosus		Zanthoxylum amer.	

II Pine Wood Survey

Point Record

Stand No.: 11

Actaea rubra
 Adiantum pedatum
 Aletris farinosa
 Anemone canadensis
 Anemone cylindrica
 Anemone quinquefolia
 Apocynum cannabinum
 Arabis canadensis
 Aralia hispida
 Arenaria lateriflora
 Arisaema strobiliferum
 Asarum canadense
 Asclepias amplexicaulis
 Asclepias phylicola
 Asclepias syriaca
 Asclepias tuberosa
 Aster caeruleus
 Aster puniceus
 Aster sericeus
 Baptisia leucantha
 Baptisia leucophaea
 Boehmeria cylindrica
 Botrychium virginicum
 Bromus Kalmii
 Campanula aparinoides
 Campanula rotundifolia
 Ceanothus americanus
 Chamaedaphne calyculata
 Circaea latifolia
 Claytonia virginica
 Clintonia borealis
 Conopholis americana
 Coptis trifolia
 Cornus rugosa
 Corydalis aurea
 Corydalis sempervirens
 Corylus cornuta
 Cryptotaenia canadensis
 Cystopteris fragilis
 Cyperus filiculmis
 Cyperus Schweinitzii
 Danthonia spicata
 Dentaria laciniata
 Desmodium nudiflorum
 Dicentra canadensis
 Dioscorea villosa
 Dodecatheon Meadia
 Dryopteris cristata
 Dryopteris Linnaea
 Dryopteris marginalis
 Dryopteris Phlegmaria
 Equisetum arvense
 Equisetum hyemale
 var. affine
 Erechthites hieracifolia

Erysimum cheiranthoides
 Erythronium albidum
 Eupatorium perfoliatum
 Galium aparine
 Galium asperellum
 Galium Claytoni
 Galium concinnum
 Galium lanceolatum
 Gerardia Guttierifolia
 Habenaria psycodes
 Hamamelis virginiana
 Helianthemum Bicknellii
 Hepatica acutiloba
 Hydrophyllum virginicum
 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 oblongifolia
 Lonicera prolixa
 Lychnis alba
 Lycopodium clavatum
 Lycopodium americana
 Lysimachia terrestris
 Menispermum canadensis
 Mitella diphylla
 Monarda punctata
 Monotropa uniflora
 Oenothera biennis
 Oenothera muricata
 Optunia Rafinesquii
 Orobanche uniflora
 Osmunda cinnamomea
 Oxypolis rigidior
 var. longifolia
 Pedicularis canadensis
 Pellaea glabella
 Pentstemon gracilis
 var. wisconsinensis

Physocarpus opulifolius
 Podophyllum peltatum
 Polemonium reptans
 Polygala sanguinea
 Polygonatum pubescens
 Potentilla arguta
 Prunella vulgaris
 Pteris nodulosa
 Pycnanthemum virginicum
 Ranunculus abortivus
 Ranunculus acris
 Ranunculus pensylvanicus
 Rhus copallina
 Rhus glabra
 var. borealis
 Rhus Vernix
 Ribes cynosbati
 Ribes hirtellum
 Ribes missouriense
 Rudbeckia laciniata
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula marilandica
 Scutellaria epilobium
 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 cryptanthus
 Steironema lanceolatum
 Stellaria media
 Symphoricarpos albus
 Taenidia integerrima
 Thalictrum dioicum
 Trillium grandiflorum
 Verbena stricta
 Veronica americana
 Veronicastrium virginicum
 Viburnum acerifolium
 Viburnum affine
 Viburnum Lentago
 Viola eriocarpa
 Viola incognita
 Viola pallens
 Viola pubescens
 Woodsia ilvensis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	7829	
Acer rubrum			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 12

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intonsus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex pennsylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypropedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla lonicera			Poa compressa			var. lineariloba		
Dryopteris spin.			Polygala polygama			Viola sagittata		
Epigaea repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum 14			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra 18		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 9 1/2

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
Agropyron trachycaulon	Galium boreale	Potentilla simplex
var. glaucum	Galium triflorum	Prenanthes alba
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum
Amorpha canescens	Gaylussacia baccata	var. latiusculum
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda
Anemone virginiana	var. micradenium	Ranunculus fasc.
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.
Apocynum androsaem.	Helianthemum can.	Rhus glabra
Aquilegia canadensis	Helianthus occident.	Rhus radicans
Arabis lyrata	Heliopsis scabra	Rhus typhina
Aralia nudicaulis	Hepatica americana	Ribes americanum
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry
Artemisia caudata	Hieracium scabrum	Rubus-dewberry
Aster azureus	Houstonia longifolia	Rubus-raspberry
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta
var. pendulus	Hystrix patula	Salix discolor
Aster laevis	Juncus Greenii	var. latifolia
Aster macrophyllus	Koeleria crisata	Sambucus canadensis
Aster ptarmicoides	Krigia biflora	Sanicula gregaria
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata
var. intonsus	Lithospermum croceum	Smilax herbacea
Calamagrostis	Lupinus perennis	Smilax hispida
Carex Crawfordii	Lycopodium complan.	Solidago canadensis
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis
Celastrus scandens	Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	Pedicularis lanc.	Vicia villosa
Cypripedium acaule	Phlox pilosa	Viola canadensis
Desmodium acuminatum	Phryma leptostachya	Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla lonicera	Poa compressa	var. lineariloba
Dryopteris spin.	Polygala polygama	Viola sagittata
Eragrostis repens	Polygonatum biflorum	Vitis aestivalis
Erigeron ramosus		Zanthoxylum amer.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	15		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp. 20		
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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 12 1/2

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intensus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex pennsylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypripedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla lonicera			Poa compressa			var. lineariloba		
Dryopteris spin.			Polygala polygama			Viola sagittata		
Epigaea repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

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 amplexicaulis
Asclepias phytolacca
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophylla
Boehmeria cylindrica
Botrychium virginicum
Bromus Kalmii
Campanula parviflora
Campanula rotundifolia
Ceanothus americanus
Chamaedaphne calyculata
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis sempervirens
Corylus cornuta
Cryptotaenia canadensis
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon meadia
Dryopteris cristata
Dryopteris Linnaea
Dryopteris marginalis
Dryopteris Phlegmaria
Equisetum arvense
Equisetum hyemale
 var. affine
Erechtites hieracifolia

Erysimum cheiranthoides
Erythronium albidum
Eupatorium perfoliatum
Galium aparine
Galium asperellum
Galium Claytonii
Galium concinnum
Galium lanceolatum
Gerardia gattingeri
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bicknellii
Hepatica acutiloba
Hydrophyllum virginicum
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 oblongifolia
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
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Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobanchaceae uniflora
Osmunda cinnamomea
Oxypolis rigidior
 var. longifolia
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Pellaea glabella
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Rhus glabra
 var. borealis
Rhus Vernix
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Ribes missouriense
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Sanicula marilandica
Scutellaria epilobium
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 cryptanthus
Steironema lanceolatum
Stellaria media
Symphoricarpos albus
Taenidia integrifolia
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virginicum
Viburnum acerifolium
Viburnum affine
Viburnum lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Luzula

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	5818		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 13

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
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var. glaucum	Galium triflorum	Prenanthes alba
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Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis
Celastrus scandens	Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
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Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	Pedicularis lanc.	Vicia villosa
Cypripedium acaule	Phlox pilosa	Viola canadensis
Desmodium acuminatum	Phryma leptostachya	Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla Lonicera	Poa compressa	var. lineariloba
Dryopteris spin.	Polygala polygama	Viola sagittata
Erigaea repens	Polygonatum biflorum	Vitis aestivalis
Eriogonon ramosus		Zanthoxylum amer.

Actaea rubra
Adiantum pedatum
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Arabis canadensis
Aralia hispida
Arenaria lateriflora
Arisaema strobilifera
Asarum canadense
Asclepias amplexicaulis
Asclepias phytolacca
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophylla
Boehmeria cylindrica
Botrychium virginianum
Bromus Kalmii
Campanula parviflora
Campanula rotundifolia
Ceanothus americanus
Chamaedaphne calyculata
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis sempervivens
Corylus cornuta
Cryptotaenia canadensis
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon meadia
Dryopteris cristata
Dryopteris Linnaea
Dryopteris marginalis
Dryopteris Phlegmaria
Equisetum arvense
Equisetum hyemale
 var. *affine*
Erechtites hieracifolia

Erysimum cheiranthoides
Erythronium albidum
Eupatorium perfoliatum
Galium aparine
Galium asperellum
Galium Claytonii
Galium concinnum
Galium lanceolatum
Gerardia gattingeri
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bicknellii
Hepatica acutiloba
Hydrophyllum virginicum
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 oblongifolia
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum canadense
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobanchaceae uniflora
Osmunda cinnamomea
Oxypolis rigidior
 var. *longifolia*
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
 var. *wisconsinensis*

Physocarpus opulifolius
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteris nodulosa
Pycnanthemum virginicum
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylvanicus
Rhus copallina
Rhus glabra
 var. *borealis*
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria epilobium
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 cryptanthus
Steironema lanceolatum
Stellaria media
Symphoricarpos albus
Taenidia integrifolia
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virginicum
Viburnum acerifolium
Viburnum affine
Viburnum lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	3750		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 7.2

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia gryposepala			Fragaria spp.			Polypodium virg.		
Agropyron trachycaulon			Galium boreale			Potentilla simplex		
var. glaucum			Galium triflorum			Prenanthes alba		
Alnus rugosa			Gaultheria procum.			Pteridium aquilinum		
Amorpha canescens			Gaylussacia baccata			var. latiusculum		
Amphicarpa bracteata			Geranium maculatum			Pyrola elliptica		
Andropogon Gerardi			Geum canadense			Pyrola rotundifolia		
Andropogon scoparius			Gnaphalium obtusif.			Pyrola secunda		
Anemone virginiana			var. micradenium			Ranunculus fasc.		
Antennaria plantag.			Goodyera pubescens			Ranunculus rhomboid.		
Apocynum androsaem.			Helianthemum can.			Rhus glabra		
Aquilegia canadensis			Helianthus occident.			Rhus radicans		
Arabis lyrata			Heliopsis scabra			Rhus typhina		
Aralia nudicaulis			Hepatica americana			Ribes americanum		
Arctostaphylos Uva			Heuchera Richardsonii			Rosa spp.		
Aronia melanocarpa			Hieracium canadense			Rubus-blackberry		
Artemisia caudata			Hieracium scabrum			Rubus-dewberry		
Aster azureus			Houstonia longifolia			Rubus-raspberry		
Aster lateriflorus			Hypoxis hirsuta			Rudbeckia hirta		
var. pendulus			Hystrix patula			Salix discolor		
Aster laevis			Juncus Greenii			var. latifolia		
Aster macrophyllus			Koeleria crisata			Sambucus canadensis		
Aster ptarmicoides			Krigia biflora			Sanicula gregaria		
Aster sagittifolius			Lactuca canadensis			Sisyrinchium camp.		
Athyrium angustatum			Lathyrus ochroleucus			Smilacina racemosa		
Aureolaris pedic.			Lathyrus venosus			Smilacina stellata		
Bromus ciliatus			Lithospermum canes.			Smilax ecirrhata		
var. intonsus			Lithospermum croceum			Smilax herbacea		
Calamagrostis			Lupinus perennis			Smilax hispida		
Carex Crawfordii			Lycopodium complan.			Solidago canadensis		
Carex pennsylvanica			Lycopodium obscurum			var. gilvocan.		
Carex siccata			Lysimachia quadrif.			Solidago juncea		
Ceanothus ovatus			Maianthemum can.			Solidago nemoralis		
Celastrus scandens			Mitchella repens			Solidago speciosa		
Chimaphila umbellata			Monarda fistulosa			var. angustata		
Clematis virginiana			Myrica asplenifolia			Tephrosia virginiana		
Comandra umbellata			Onoclea sensibilis			Tradescantia ohien.		
Convolvulus spitham.			Osmorhiza Claytoni			Trientalis borealis		
Coreopsis palmata			Osmunda Claytoniana			Uvularia grandiflora		
Cornus alternifolia			Osmunda regalis			Uvularia sessilif.		
Cornus canadensis			Oxalis violacea			Vaccinium angustif.		
Cornus femina			Panicum implicatum			Vaccinium canadense		
Cornus stolonifera			Parthenocissus vitacea			Vicia americana		
Corylus americana			Pedicularis lanc.			Vicia villosa		
Cypripedium acaule			Phlox pilosa			Viola canadensis		
Desmodium acuminatum			Phryma leptostachya			Viola cucullata		
Desmodium canadense			Physalis virginiana			Viola pedata		
Diervilla Lonicera			Poa compressa			var. lineariloba		
Dryopteris spin.			Polygala polygama			Viola sagittata		
Epigaea repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

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 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

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	5015		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 12

Shrubs & Herbs			
Achillea millefolium	Euphorbia corol.	Polygonella artic.	
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.	
Agropyron trachycaulon	Galium boreale	Potentilla simplex	
var. glaucum	Galium triflorum	Prenanthes alba	
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum	
Amorpha canescens	Gaylussacia baccata	var. latiusculum	
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica	
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia	
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda	
Anemone virginiana	var. micradenium	Ranunculus fasc.	
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.	
Apocynum androsaem.	Helianthemum can.	Rhus glabra	
Aquilegia canadensis	Helianthus occident.	Rhus radicans	
Arabis lyrata	Heliopsis scabra	Rhus typhina	
Aralia nudicaulis	Hepatica americana	Ribes americanum	
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.	
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry	
Artemisia caudata	Hieracium scabrum	Rubus-dewberry	
Aster azureus	Houstonia longifolia	Rubus-raspberry	
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta	
var. pendulus	Hystrix patula	Salix discolor	
Aster laevis	Juncus Greenii	var. latifolia	
Aster macrophyllus	Koeleria crisata	Sambucus canadensis	
Aster ptarmicoides	Krigia biflora	Sanicula gregaria	
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.	
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa	
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata	
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata	
var. intonsus	Lithospermum croceum	Smilax herbacea	
Calamagrostis	Lupinus perennis	Smilax hispida	
Carex Crawfordii	Lycopodium complan.	Solidago canadensis	
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.	
Carex siccata	Lysimachia quadrif.	Solidago juncea	
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis	
Celastrus scandens	Mitchella repens	Solidago speciosa	
Chimaphila umbellata	Monarda fistulosa	var. angustata	
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana	
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.	
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis	
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora	
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.	
Cornus canadensis	Oxalis violacea	Vaccinium angustif.	
Cornus femina	Panicum implicatum	Vaccinium canadense	
Cornus stolonifera	Parthenocissus vitacea	Vicia americana	
Corylus americana	Pedicularis lanc.	Vicia villosa	
Cypropedium acaule	Phlox pilosa	Viola canadensis	
Desmodium acuminatum	Phryma leptostachya	Viola cucullata	
Desmodium canadense	Physalis virginiana	Viola pedata	
Diervilla Lonicera	Poa compressa	var. lineariloba	
Dryopteris spin.	Polygala polygama	Viola sagittata	
Epigaea repens	Polygonatum biflorum	Vitis aestivalis	
Erigeron ramosus		Zanthoxylum amer.	

II Pine Wood Survey

Point Record

18

Stand No.: 61

Actaea rubra
Adiantum pedatum
Aletris 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.
Virburnum affine
Virburnum Lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Luzula

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	6828		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 6 1/2

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
Agropyron trachycaulon	Galium boreale	Potentilla simplex
var. glaucum	Galium triflorum	Prenanthes alba
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum
Amorpha canescens	Gaylussacia baccata	var. latiusculum
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda
Anemone virginiana	var. micradenium	Ranunculus fasc.
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.
Apocynum androsaem.	Helianthemum can.	Rhus glabra
Aquilegia canadensis	Helianthus occident.	Rhus radicans
Arabis lyrata	Heliopsis scabra	Rhus typhina
Aralia nudicaulis	Hepatica americana	Ribes americanum
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spr.
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry
Artemisia caudata	Hieracium scabrum	Rubus-dewberry
Aster azureus	Houstonia longifolia	Rubus-raspberry
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta
var. pendulus	Hystrix patula	Salix discolor
Aster laevis	Juncus Greenii	var. latifolia
Aster macrophyllus	Koeleria crisata	Sambucus canadensis
Aster ptarmicoides	Krigia biflora	Sanicula gregaria
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata
var. intonsus	Lithospermum croceum	Smilax herbacea
Calamagrostis	Lupinus perennis	Smilax hispida
Carex Crawfordii	Lycopodium complan.	Solidago canadensis
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis
Celastrus scandens	Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	Pedicularis lanc.	Vicia villosa
Cypripedium acaule	Phlox pilosa	Viola canadensis
Desmodium acuminatum	Phryma leptostachya	Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla Lonicera	Poa compressa	var. lineariloba
Dryopteris spin.	Polygala polygama	Viola sagittata
Epigaea repens	Polygonatum biflorum	Vitis aestivalis
Erigeron ramosus		Zanthoxylum amer.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	23	47	Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			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 serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 14 E

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
Agropyron trachycaulon	Galium boreale	Potentilla simplex
var. glaucum	Galium triflorum	Prenanthes alba
Alnus rugosa	Gaultheria procum.	Pteridium aquilinum
Amorpha canescens	Gaylussacia baccata	var. latiusculum
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda
Anemone virginiana	var. micradenium	Ranunculus fasc.
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.
Apocynum androsaem.	Helianthemum can.	Rhus glabra
Aquilegia canadensis	Helianthus occident.	Rhus radicans
Arabis lyrata	Heliopsis scabra	Rhus typhina
Aralia nudicaulis	Hepatica americana	Ribes americanum
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry
Artemisia caudata	Hieracium scabrum	Rubus-dewberry
Aster azureus	Houstonia longifolia	Rubus-raspberry
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta
var. pendulus	Hystrix patula	Salix discolor
Aster laevis	Juncus Greenii	var. latifolia
Aster macrophyllus	Koeleria crisata	Sambucus canadensis
Aster ptarmicoides	Krigia biflora	Sanicula gregaria
Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.
Athyrium angustatum	Lathyrus ochroleucus	Smilacina racemosa
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata
var. intonsus	Lithospermum croceum	Smilax herbacea
Calamagrostis	Lupinus perennis	Smilax hispida
Carex Crawfordii	Lycopodium complan.	Solidago canadensis
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	Maianthemum can.	Solidago nemoralis
Celastrus scandens	Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.
Convolvulus spitham.	Osmorhiza Claytoni	Trientalis borealis
Coreopsis palmata	Osmunda Claytoniana	Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	Pedicularis lanc.	Vicia villosa
Cypripedium acaule	Phlox pilosa	Viola canadensis
Desmodium acuminatum	Phryma leptostachya	Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla lonicera	Poa compressa	var. lineariloba
Dryopteris spin.	Polygala polygama	Viola sagittata
Epigaea repens	Polygonatum biflorum	Vitis aestivalis
Erigeron ramosus		Zanthoxylum amer.

Brachyelytrum

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 amplexicaulis
Asclepias phytolacca
Asclepias syriaca
Asclepias tuberosa
Aster caeruleus
Aster puniceus
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Boehmeria cylindrica
Botrychium virginianum
Promus Kalmii
Campanula aparinoides
Campanula rotundifolia
Ceanothus americanus
Chamaedaphne calyculata
Circaea latifolia
Claytonia virginica
Clintonia borealis
Conopholis americana
Coptis trifolia
Cornus rugosa
Corydalis aurea
Corydalis sempervivens
Corylus cornuta
Cryptotaenia canadensis
Cystopteris fragilis
Cyperus filiculmis
Cyperus Schweinitzii
Danthonia spicata
Dentaria laciniata
Desmodium nudiflorum
Dicentra canadensis
Dioscorea villosa
Dodecatheon meadia
Dryopteris cristata
Dryopteris Linnaea
Dryopteris marginalis
Dryopteris Phlegmaria
Equisetum arvense
Equisetum hyemale
 var. affine
Erechtites hieracifolia

Erysimum cheiranthoides
Erythronium albidum
Eupatorium perfoliatum
Galium aparine
Galium asperellum
Galium Claytoni
Galium concinnum
Galium lanceolatum
Gerardia Guttierifera
Habenaria psycodes
Hamamelis virginiana
Helianthemum Bicknellii
Hepatica acutiloba
Hydrophyllum virginicum
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 oblongifolia
Lonicera prolifera
Lychnis alba
Lycopodium clavatum
Lycopus americana
Lysimachia terrestris
Menispermum canadense
Mitella diphylla
Monarda punctata
Monotropa uniflora
Oenothera biennis
Oenothera muricata
Optunia Rafinesquii
Orobanchaceae uniflora
Osmunda cinnamomea
Oxypolis rigidior
 var. longifolia
Pedicularis canadensis
Pellaea glabella
Pentstemon gracilis
 var. wisconsinensis

Physocarpus opulifolius
Podophyllum peltatum
Polemonium reptans
Polygala sanguinea
Polygonatum pubescens
Potentilla arguta
Prunella vulgaris
Pteris nodulosa
Pycnanthemum virginicum
Ranunculus abortivus
Ranunculus acris
Ranunculus pensylvanicus
Rhus copallina
Rhus glabra
 var. borealis
Rhus Vernix
Ribes cynosbati
Ribes hirtellum
Ribes missouriense
Rudbeckia laciniata
Sambucus pubens
Sanguinaria canadensis
Sanicula marilandica
Scutellaria epilobium
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 cryptanthus
Steironema lanceolatum
Stellaria media
Symphoricarpos albus
Taenidia integrifolia
Thalictrum dioicum
Trillium grandiflorum
Verbena stricta
Veronica americana
Veronicastrum virginicum
Viburnum acerifolium
Viburnum affine
Viburnum lentago
Viola eriocarpa
Viola incognita
Viola pallens
Viola pubescens
Woodsia ilvensis

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Trees:																					
Acer negundo																					
Acer rubrum		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	16 80
Acer saccharinum																					
Acer saccharum																					
Acer spicatum																					
Amelanchier spp.		✓		✓						✓											3 15
Betula lutea																					
Betula nigra																					
Betula papyrifera																					
Carpinus caroliniana																					
Carya cordiformis																					
Carya ovata																					
Celtis occidentalis																					
Crataegus spp.																					
Fraxinus americana																					
Fraxinus nigra																					
Fraxinus pennsylvanica																					
Fraxinus lanceolata																					
Juglans cinerea																					
Juglans nigra																					
Juniperus communis																					
var. depressa																					
Juniperus virginiana																					
Larix laricina																					
Ostrya virginiana																					
Pinus Banksiana																					
Pinus resinosa																					
Pinus Strobus																					
Populus grandidentata																					
Populus tremuloides																					
Prunus pensylvanica																					
Prunus serotina																					
Prunus virginiana		✓		✓				✓	✓	✓	✓	✓	✓					✓			7 35
Quercus alba		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							6 30
Quercus ellipsoidalis																					
Quercus macrocarpa																					
Quercus rubra			✓						✓	✓											3 15
Quercus velutina																					
Quercus spp.																					
Robinia Pseudo-Acacia																					
Sorbus decora																					
Tilia americana																					
Tsuga canadensis																					
Ulmus americana																					
Ulmus fulva																					
Herbs & Shrubs:																					
Achillea millefolium																					
Actaea rubra																					
Adiantum pedatum																					

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Carex pensylvanica																					6	30
Carex siccata																						
Ceanothus americanus																						
Ceanothus ovatus																						
Celastrus scandens																						
Chamaedaphne calyculata																						
Chimaphila umbellata																						
Circaea latifolia																						
Claytonia virginica																						
Clematis virginiana																						
Clintonia borealis		✓	✓				✓		✓		✓										5	25
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			✓	✓			✓				✓						✓	✓			✓	7 35
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		✓											✓							✓	3	15
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.																					1	5

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

5
20
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																					3	15
Lupinus perennis																						
Lychnis alba																						
Lycopodium clavatum																						
Lycopodium complanatum																						
Lycopodium obscurum																					1	5
Lycopus americana																						
Lysimachia quadrifolia	✓																				2	10
Lysimachia terrestris																						
Maianthemum canadense	✓				✓	✓		✓	✓		✓					✓	✓	✓	✓		10	50
Menispermum canadensis																						
Mentha spp.																						
Mitchella repens						✓					✓						✓	✓			4	20
Mitella diphylla																						
Monarda fistulosa																						
Monarda punctata																						
Monotropa uniflora																						
Myrica asplenifolia																						
Oenothera biennis																						
Oenothera muricata																						
Oncoclea sensibilis																	✓				1	5
Opuntia Rafinesquii																						
Orobanche uniflora																						
Osmorhiza Claytoni																						
Osmunda cinnamomea											✓						✓		✓		3	15
Osmunda Claytoniana							✓		✓												2	10
Osmunda regalis	✓										✓										2	10
Oxalis violacea																						
Oxypholis rigidior var. longifolia																						
Panicum implicatum																						
Panicum spp.																						
Parthenocissus vitacea																✓					1	5
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 biflorum																						
Polygonatum pubescens																						
Polygonella articulata																						
Polypodium virginianum																						
Potentilla arguta																						
Luzula acuminata																					3	15

[illegible]