

Site 3046.

[s.l.]: [s.n.], [s.d.]

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SEC. 27

TREE DATA SUMMARY SHEET

T 18N

R 6E

Northern Pine-Hardwoods

Station Number: 3046

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							4	8.9							
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir	1	1	1			15	15	33.3		2.5	1.5	1.25	0.3	3.1	28
Picea glau															
Pinus Bank	4	4	1	3		513				10	6.0	5.0	8.7	19.7	20
P. resinosa	4	4	1	3		375	1	2.2		10	6.0	5.0	6.4	17.4	52
P. Strobus	4	4	3		1	424	1	2.2		10	6.0	5.0	7.2	18.2	91
Populus ba															
P. grandid	1	1	1			33				2.5	1.5	1.25	0.6	3.4	7
P. tremulo															
Prunus pen															
Quercus el	11	13	7	6		1180				27.5	16.4	16.25	20.0	52.7	95
Q. rubra	12	14	12	2		713	4	8.9		30	17.9	17.5	12.1	47.5	285
Tilia amer	1	1		1		115	11	27.4		2.5	1.5	1.25	1.9	4.7	38
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Quercus alba	27	36	29	7		2394	4	8.9		67.5	40.3	45	40.1	125.4	502
Fraxinus am	1	1	1			26	1	2.2		2.5	1.5	1.25	0.4	3.2	26
Quercus mac	1	1		1		115				2.5	1.5	1.25	1.9	4.7	9
Prunus ser						5903	7	8.9		107.5			99.6	300.0	1153

AVE. DIST. BTW'N TREES:

56 23

AVE. B. A.:

TREES/ACRE:

DOM./ACRE:

1100

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi	16	38
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa	1		Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 23

Acer negundo			Fraxinus penn.			Quercus alba	25	
Acer rubrum	1		Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	145		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 29

Acer negundo			Fraxinus penn.			Quercus alba	20	1
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	22	
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	80	
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi	240	
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: 12

III Pine Woods Survey

Point Record - Trees

Stand No.:

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	18	
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi	25	
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: 7 1/2

Acer negundo			Fraxinus penn.			Quercus alba	78	
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana	160		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus	1		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: 2 2

Acer negundo			Fraxinus penn.			Quercus alba	100	
Acer rubrum			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	335		Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina	1				
Fraxinus amer.			Prunus virgin.					

Distance: 3 1/2

Acer negundo			Fraxinus penn.			Quercus alba	17 30	
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.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 7 1/2

III Pine Woods Survey

Point Record - Trees

Stand No.:

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi	120	
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	87	
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 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	195		Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus	14		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	
Acer negundo			Fraxinus penn.			Quercus alba	20	
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	25		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 1/2	
Acer negundo			Fraxinus penn.			Quercus alba	155	
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.	115	
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	7 1/2	

III Pine Woods Survey

Point Record - Trees

Stand No.:

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	75	75
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi	75	
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.	1		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:	23	
Acer negundo			Fraxinus penn.			Quercus alba	23	70
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.	3		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:	27	
Acer negundo			Fraxinus penn.			Quercus alba	30	50
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.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	16	
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	1		Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.	3		Quercus rubra	1	20
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa	125		Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.	1	
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:		

III Pine Woods Survey

Point Record - Trees

Stand No.:

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	75	65
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	1	
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: 9		
Acer negundo			Fraxinus penn.			Quercus alba	75	65
Acer rubrum			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.	6	
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	1	
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.	115	
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus	50		Tilia amer.	1	
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		
Acer negundo			Fraxinus penn.			Quercus alba	26	
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi	155	
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: 12		

III Pine Woods Survey

Point Record - Trees

Stand No.:

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	67	
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	75	
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	15	
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	35	
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	2				
Fraxinus amer.			Prunus virgin.					

Distance: 11

Acer negundo			Fraxinus penn.			Quercus alba	150	
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	13	
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: 12

Acer negundo			Fraxinus penn.			Quercus alba	75	115
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.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 13

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 45		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa 105			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: 9

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin. 15			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa 90			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 11 1/2

Acer negundo			Fraxinus penn.			Quercus alba 95, 16		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin. 5			Quercus rubra 1		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer. 3		
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: 31

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin. 1			Quercus rubra 12, 27		
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 1/2

III Pine Woods Survey

Point Record - Trees

Stand No.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra 30, 30		
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: 12 1/2		
Acer negundo			Fraxinus penn.			Quercus alba 30 1/2		
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 55			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer. 2		
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		
Acer negundo			Fraxinus penn.			Quercus alba 75		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin. 1			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand. 33			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 12 1/2		
Acer negundo			Fraxinus penn.			Quercus alba 23 1/2		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra 24 1/2		
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		

III Pine Woods Survey

Point Record - Trees

Stand No.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	60	100
Acer rubrum			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:	16 1/2	
Acer negundo			Fraxinus penn.			Quercus alba	60	13
Acer rubrum			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:	17 1/2	
Acer negundo			Fraxinus penn.			Quercus alba	20	50
Acer rubrum			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:	17 1/2	
Acer negundo			Fraxinus penn.			Quercus alba	35	5
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra	17	
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:	23	

III Pine Woods Survey

Point Record - Trees

Stand No.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi 65		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra 33		
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: 14 1/2		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi 55, 85		
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: 27		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi 1 1/2		
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. 26			Prunus virgin.					
						Distance: 23		
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi 80		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra 35 L		
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: 23 1/2		

3046

Tree	#	#	Size	Cl.	sq. in.	Dom.	#	D%	F%	F%	D%	Dom %	D	F	D
	Pts	Tr.	-80	-320	-321		Tree	Tree	Tree	Tree	Tree	Tree	Index		

Station No. 60

Acer rubrum

23 4.8 2.5

Total Length of 5045 ft
Transect.

A. sacchar.

Carya cord.

23 4.8 2.5

Total Area of 1892
Transect.

C. ovata

Fagus gran.

Fraxinus am

F. penn

Juglans cin

J. nigra

Ostrya vir.

Populus gr.

P. tremuloi

Prunus sero

Quercus al.

Q. macrocar

C. rubra

C. velutina

Tilia amer.

Ulmus amer.

U. fulva

Pinus Bank

P. resinosa

P. strobus

Betula papy

Q. macrocar

Totals

80

80

4603

1064

676

1740

Saplings/unit area 473/acre

Ave. BA (Total BA=80) 61 in²

No. Trees/acre 293

Dom./acre 17873 in²

II

QE 16, 38, 240, 25
120, 95, 155, 50, 65, 55,
85, 140, 80

|||||

1

60, 13, 20, 255

QA 25, 40, 80, 18, 70, 100

|||||

75, 12, 30, 20, 155, 15, 22, 70

235, 30, 50, 75, 65, 45, 65, 26

|||||

66, 67, 15, 130, 75, 115, 95, 16, 30

11

100 PB 145, 160, 145, 13

1111

QR 22, 87, 20, 75, 35, 45

|||||

12, 27, 30, 30, 245, 17, 33, 35

11

PS. 335, 14, 25, 50

1111

FA 26

1

TA 115

1

PR 125, 105, 90, 55

1111

QM 115

1

OV 15

1

PG 33

1

1

PR 1

AR 1111

QA 1111

PS 1

Prs 1111

OV ~~||||~~ ~~||||~~ ~~||||~~

QR 1111

TA ~~||||~~ ~~||||~~ 1

FN 1

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 35			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus 21			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: 1.5 km

			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 ohioen.		
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			Dicentra canadensis		
Epigaea repens			Polygonatum biflorum			Vitis rotundifolia		
Erigeron ramosus						Vitis vulpina		
						Zanthoxylum amer.		

2

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. 85 7 13		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera 17			Pinus Strobus			Tilia amer.		
Cornus 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 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 parviflora		
Epigaea repens			Polygonatum biflorum			Vitis rotundifolia		
Erigeron ramosus						Zanthoxylum amer.		

II Pine Wood Survey

Point Record

Stand No.: 60

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 phytolacca
 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 Philadelphica
 Equisetum arvense
 Equisetum hyemale
 var. affine
 Erigeron philadelphicus

Erysimum cheiranthoides
 Erythronium albidum
 Eupatorium perfoliatum
 Galium aparine
 Galium asperellum
 Galium Claytonia
 Galium concinnum
 Galium lanceolatum
 Gerardia Guttieraria
 Habenaria psycodes
 Hamamelis virginiana
 Helianthemum Bick.
 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
 Liliopsis michiganensis
 Linaria canadensis
 Liparis lilifolia
 Lobelia cardinalis
 Lobelia inflata
 Lobelia spicata
 Lonicera dioica
 Lonicera oblongifolia
 Lonicera prolifera
 Lychnis alba
 Lycopodium clavatum
 Lycopodium americanum
 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

3

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	13	
Acer rubrum			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.	13 7 B	
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: 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. 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.

Tribulus terrestris

II Pine Wood Survey

Point Record

3

Stand No.: 60

(5)
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 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			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere	27		Quercus macroc.		
Acer spicatum			Ostrya virgin.	23		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: 11

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 rotundifolia
Erigeron ramosus		Zanthoxylum amer.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	37	
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	55		Sorbus decora		
Betula poryrifer			Pinus Strcbus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotin	sap				
Fraxinus amer.			Prunus virgin.					

Distance: 17

			Shrubs & Herbs					
Achillea millefolium			Euphorbia corol.			Polygonella artic.		
Agrimonia grynosepala			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		
Arctostaphyles 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			Saliz 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		
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 bicoloralis		
Erigeron ramosus						Zanthoxylum amer.		

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	8265	
Acer rubrum			Fraxinus lance	says		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 poryrifer			Pinus Strcbus			Tilia amer.	4 says	
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: 32

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia grynosepala	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
Arctostaphyles 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	Saliz 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 callorum	Vitis acerifolia
Erigeron ramosus		Zanthoxylum amer.

7

60

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	54	
Acer rubrum ✓			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp. 234B		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer. 2 sap		
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: 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			Biola sagittata		
Epigaea repens			Polygonatum biflorum			Vitis rotundifolia		
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.	124 B	
Betula lutea			Pinus resinosa			Sorbus decora		
Betula poryrifer			Pinus Strobus			Tilia amer.	15	
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: 33 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		
Arctostaphyles 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 rotundifolia		
Erigeron ramosus						Zanthoxylum amer.		

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	50	85
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: 65

Shrubs & Herbs		
Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia grynosepala	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
Arctostaphyles 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 ohioen.
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 rotundifolia
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	100		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: 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		
Epigaea repens			Polygonatum biflorum			Vitis rotundifolia		
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 Philaena
 Equisetum arvense
 Equisetum hyemale
 var. affine
 Erigeron phillyriaefolius

Erysimum cheiranthoides
 Erythronium albidum
 Eupatorium perfoliatum
 Galium aparine
 Galium asperellum
 Galium Claytonia
 Galium concinnum
 Galium lanceolatum
 Gerardia gottschadti
 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 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
 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	30	
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	68		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: 2 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		
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 acerifolia		
Erigeron ramosus						Zanthoxylum amer.		

12

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	23, 33		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 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		
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			Bidens bipinnata		
Epigaea repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

II Pine Wood Survey

Point Record

Stand No.: 60

Actaea rubra
 Adiantum pedatum
 Aletris farinosa
 (23) 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
 Erechites 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
 Liliium michiganense
 Linaria canadensis
 Liparis lilifolia
 Lobelia cardinalis
 Lobelia inflata
 Lobelia spicata
 Lonicera dioica
 Lonicera oblongif.
 Lonicera prolifera
 Lychnis alba
 Lycopodium clavatum
 Lycopodium 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
 Veronicastrium virg.
 Virburnum 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	18	
Acer rubrum			Fraxinus lance			Quercus ellips	1924B	
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.	11	
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.	2 rays	
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 grynosepala			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.		

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Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	18	says
Acer rubrum			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.	29	QPB shall be cut
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: 10 ft

			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			Bicla virginata		
Epigaea repens			Polygonatum biflorum			Vitis pestivalis		
Erigeron ramosus						Zanthoxylum amer.		

15

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum	sap		Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.	38	48
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.	31		Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotin	sap				
Fraxinus amer.			Prunus virgin.					

Distance: 1 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		
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 acerifolia		
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. 69, 70			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 16 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	Litlosperrum 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 rotundifolia
Erigeron ramosus		Zanthoxylum amer.

II Pine Wood Survey

Point Record

Stand No.: 60

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 phylicifolia
 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
 Erigeron phillyriaefolius

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 liliifolia
 Lobelia cardinalis
 Lobelia inflata
 Lobelia spicata
 Lonicera dioica
 Lonicera oblongifolia
 Lonicera prolifera
 Lychnis alba
 Lycopodium clavatum
 Lycopodium americanum
 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

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Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	66	22
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: 13

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	Oncoclea 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 hesperalis
Erigeron ramosus		Zanthoxylum amer.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	68	
Acer rubrum			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.	23 typical "red"	
Betula lutea			Pinus resinosa			Sorbus decora	oak but bark yellow	
Betula poryrifera			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: 13.5

			<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			Litlosperrum 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		
Erigaea repens			Polygonatum biflorum			Vitis acerifolia		
Erigeron ramosus						Zanthoxylum amer.		

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 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
 Erechites 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
 Liliium michiganense
 Linaria canadensis
 Liparis lilifolia
 Lobelia cardinalis
 Lobelia inflata
 Lobelia spicata
 Lonicera dioica
 Lonicera oblongif.
 Lonicera prolifera
 Lychnis alba
 Lycopodium clavatum
 Lycopodium 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
 Veronicastrium virg.
 Virburnum acerif.
 Viburnum affine
 Viburnum Lentago
 Viola eriocarpa
 Viola incognita
 Viola pallens
 Viola pubescens
 Woodsia ilvensis

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Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	105	35
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: 13 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		
Epigaea repens			Polygonatum biflorum			Vitis aestivalis		
Erigeron ramosus						Zanthoxylum amer.		

37
 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
 Erechites 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
 Lycopodium americana
 Lysimachia terrestris
 Menispermum can.
 Mitella diphylla
 Monarda punctata
 Monotropa uniflora
 Oenothera biennis
 Oenothera muricata
 Optunia Rafinesquii
 Orobanche uniflora
 Osmunda cinnamomea
 Oxypolis rigidier
 var. longifolia
 Pedicularis canadensis
 Pellaea glabella
 Pentstemon gracilis
 var. wisconsinensis

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

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	405	
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.	94		Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotin					
Fraxinus amer.			Prunus virgin.					

Distance: 7 ft

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 rotundifolia
Erigeron ramosus		Zanthoxylum amer.

II Pine Wood Survey

Point Record

Stand No.: 60

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 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
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 integerrima
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			Fraxinus lance			Quercus ellips		
Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.		250, 12 - red oak
Betula lutea			Pinus resinosa			Sorbus decora		
Betula poryrifera			Pinus Strobus			Tilia amer.		but non-descript
Carpinus carol.			Populus grand.			Tsuga canad.		(22 days) - bank
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.		
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		
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.: 60

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
 Erechites 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
 Lycopodium americana
 Lysimachia terrestris
 Menispermum can.
 Mitella diphylla
 Monarda punctata
 Monotropa uniflora
 Oenothera biennis
 Oenothera muricata
 Optunia Rafinesquii
 Orobanche uniflora
 Osmunda cinnamomea
 Oxypolis rigidier
 var. longifolia
 Pedicularis canadensis
 Pellaea glabella
 Pentstemon gracilis
 var. wisconsinensis

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

III Pine Woods Survey

Point Record - Trees

Stand No.: 60

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. 43, 58		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 11 1/2

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo .			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana 130			Quercus sp. 45 y B		
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif. sap			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 13 1/2

Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lanceo			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 26, 358 y B		
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: 16 1/2

Acer negundo			Fraxinus penn.			Quercus alba 90		
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin. sap			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.		
Betula lutea			Pinus resinosa 90			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: 16

III Pine Woods Survey

Point Record - Trees

Stand No.: 600

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.	2		Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 63 y b		
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	sap				
Fraxinus amer.			Prunus virgin.					
						Distance: 13		
Acer negundo			Fraxinus penn.			Quercus alba 3825		
Acer rubrum			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: 9		
Acer negundo			Fraxinus penn.			Quercus alba 39		
Acer rubrum			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 130			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		
Acer negundo			Fraxinus penn.			Quercus alba 63		
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 12			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance: 12		

III Pine Woods Survey

Point Record - Trees

Stand No.: 60

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba	32	53
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.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	145	
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.	23	48
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.	40	
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:	145	
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.	22	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 serotina					
Fraxinus amer.			Prunus virgin.					
						Distance:	12	
Acer negundo			Fraxinus penn.			Quercus alba	50	
Acer rubrum			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp.	147	Barb-red
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	

leaves orange
cut

III Pine Woods Survey

Point Record - Trees

Stand No.: 60

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. 15, 42		
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			Fraxinus lanceo.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		
Amelanchier sp.			Pinus Banksiana			Quercus sp. 6533		
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. 35372B		
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 17		
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. 41			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 15 1/2

III Pine Woods Survey

Point Record - Trees

Stand No.: 60

Tree	BA	S	Tree	BA	S	Tree	BA	S
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.		15 pink
Betula lutea			Pinus resinosa			Sorbus decora		
Betula papyrifera			Pinus Strobus			Tilia amer.		
Carpinus carol.			Populus grand.			Tsuga canad.		
Carya cordif.			Populus trem.		19	Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 18

Acer negundo			Fraxinus penn.			Quercus alba		29 60
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.			Ulmus amer.		
Carya ovata			Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotina					
Fraxinus amer.			Prunus virgin.					

Distance: 17

Acer negundo			Fraxinus penn.			Quercus alba		16
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.		16
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			Fraxinus lanceol.			Quercus ellipsoi		
Acer saccharum			Juglans cinerea			Quercus macroc.		
Acer spicatum			Ostrya virgin.			Quercus rubra		60 22
Amelanchier sp.			Pinus Banksiana			Quercus sp.		23
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

60

(Aug.)

Station No.	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	
Trees:																					
Acer negundo																					
Acer rubrum							✓							✓					✓		15
Acer saccharinum																					
Acer saccharum																					
Acer spicatum																					
Amelanchier spp.									✓				✓		✓				✓		20
Betula lutea																					
Betula nigra																					
Betula papyrifera					✓																5
Carpinus caroliniana																					
Carya cordiformis			✓						✓												10
Carya ovata																					
Celtis occidentalis																					
Crataegus spp.																					
Fraxinus americana																					
Fraxinus nigra																					
Fraxinus pennsylvanica																					
Fraxinus lanceolata		✓													✓						10
Juglans cinerea																					
Juglans nigra																					
Juniperus communis																					
var. depressa																					
Juniperus virginiana																					
Larix laricina																					
Ostrya virginiana			✓	✓		✓															15
Pinus Banksiana																					
Pinus resinosa																					
Pinus Strobus																					
Populus grandidentata																			✓		5
Populus tremuloides																					
Prunus pensylvanica			✓	✓					✓							✓	✓				25
Prunus serotina																					
Prunus virginiana										✓						✓	✓		✓		25
Quercus alba			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55
Quercus ellipsoidalis																					
Quercus macrocarpa																					
Quercus rubra																					
Quercus velutina																					
Quercus spp.	✓			✓					✓	✓	✓			✓	✓				✓	✓	45
Robinia Pseudo-Acacia																					
Sorbus decora																					
Tilia americana			✓	✓	✓	✓										✓	✓		✓		35
Tsuga canadensis																					
Ulmus americana																					
Ulmus fulva	✓		✓						✓					✓							20

Herbs & Shrubs:

Achillea millefolium

Actaea rubra

Adiantum pedatum

[illegible]

Station No.	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39
Lobelia inflata	✓																			
Lobelia spicata																				
Lonicera dioica																				
Lonicera oblongifolia																				
Lonicera prolifera																			✓	6
Lupinus perennis																				
Lychnis alba																				
Lycopodium clavatum																				
Lycopodium complanatum																				
Lycopodium obscurum																				
Lycopus americana																				
Lysimachia quadrifolia									✓										✓	10
Lysimachia terrestris																				
Maianthemum canadense	✓	✓		✓			✓		✓		✓									30
Menispermum canadensis																				
Mentha spp.																				
Mitchella repens																				
Mitella diphylla									✓											
Monarda fistulosa									✓											5
Monarda punctata																				
Monotropa uniflora																				
Myrica asplenifolia																				
Oenothera biennis																				
Oenothera muricata																				
Oncoclea sensibilis																				
Opuntia Rafinesquii																				
Orobanche uniflora																				
Osmorhiza Claytoni									✓											5
Osmunda cinnamomea																				
Osmunda Claytoniana																				
Osmunda regalis																				
Oxalis violacea																				
Oxypholis rigidior var. longifolia																				
Panicum implicatum																				
Panicum spp.																				
Parthenocissus vitacea	✓		✓								✓									15
Pedicularis canadensis																				
Pedicularis lanceolata																				
Pellaea glabella																				
Pentstemon gracilis var. wisconsinensis																				
Phlox pilosa																				
Phryma leptostachya									✓											5
Physalis virginiana																				
Physocarpus opulifolius																				
Poa compressa																				
Podophyllum peltatum																				
Polemonium reptans																				
Polygala polygama																				
Polygala sanguinea																				
Polygonatum biflorum	✓																			5
Polygonatum pubescens																				
Polygonella articulata																				
Polypodium virginianum																				
Potentilla arguta																				

[illegible]

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

From a 40-tree sample, the continuum index of this stand is.....¹²⁵⁷
Abbreviations in the data sheet refer to the following species:

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

Ecology Laboratory
University of Wisconsin
Madison

Cryptogam Summary. DEH Level ~~EAST~~ W.L.Culberson. Stand No. 3046.
 No. trees 2 18 12 7 1 40

	Ac rub	Ac sac	Be lut	Be pap	Fa gra	Os vir	Pi ban	Pi res	Pi str	Po gra	Po tre	Pr ser	Qu alb	Qu ell	Qu rub	Ti ame	Ts can	Ul ame	Total	Frequency
An hyp															1				1	3
An spe															4				4	10
Ba chl	2							11							2	1			16	40
Ba fus													1						1	3
Bu sti															2				2	5
Cn con	1												8		3				12	30
Cn fib																	1		1	3
Cl con															1				1	3
Col pyc													1						1	3
Cr neg	2							4					10		7				23	58
De arb													1						1	3
Ev mes															1				1	3
Gr scr															2				2	5
Le sub															5				5	13
Le sym	1														3				4	10
Op var													8						8	20
Pa aur															6				6	15
Pa cap															6				6	15
Pa cri															2				2	5
Pa rud								1					3		6				10	25
Pa sax															3				3	8
Pa s-q	1														7				8	20
Pa sul	2														4				6	15
Pa tri															1				1	3
Pe sp.															3				3	8
Ph aip	1																1		2	5
Ph cil													1			1			2	5
Ph gri													11		1				12	30
Ph mil	1														3				4	10
Ph orb	1												11		3	1			16	40
Ph tri													4		1				5	13
Py nit															3				3	8
Px sor															3				3	8
Ra far															1				1	3
Ra fas	1												2		4				7	18
Ri hal															1				1	3
Us flo															1				1	3
An min	13							16					61		40	5			185	5
Di mon													2		1				2	3
Fr ebo	1												7		7				15	38
Li aus													4						4	10
Or sp.													7						7	18
Pl rep													1		6				7	18
By sp.	①							0				34	1		15	0			12	30
Ul cri													2						2	5