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Site 1101: Racine County, Township 4N, Range 22E, Section 9. 7/11/49

[s.l.]: [s.n.], 7/11/49

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1101

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FOREST SURVEY

STATION RECORD

1101

Stand No: #2
 County: Racine Co
 Date: July 11-49
 Size of Stand:
 Forest Type: ash-maple-basswood-oak
 Topography: rather flat -

Name:
 T: 4N R: 22E Sec: 9 Locality: Caledonia

Observers: Brown - Auden
 Size of Area Sampled: 12 acres -
 Soil Type:

Condition of Stand:

Good -
 very little cutting
 much reprobs -

Open Grown Trees:

Stumps:

1. red oak - hollow 400'
2. oak - 800' - too old to count + identify
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Soil

Sample No:	pH	N	P	K	Colloids	Vol/wt	WHC
A0	---	---	---	---	---	---	---
A1	---	---	---	---	---	---	---
A2	---	---	---	---	---	---	---
Depth	Characteristics (Color, texture, etc.)						

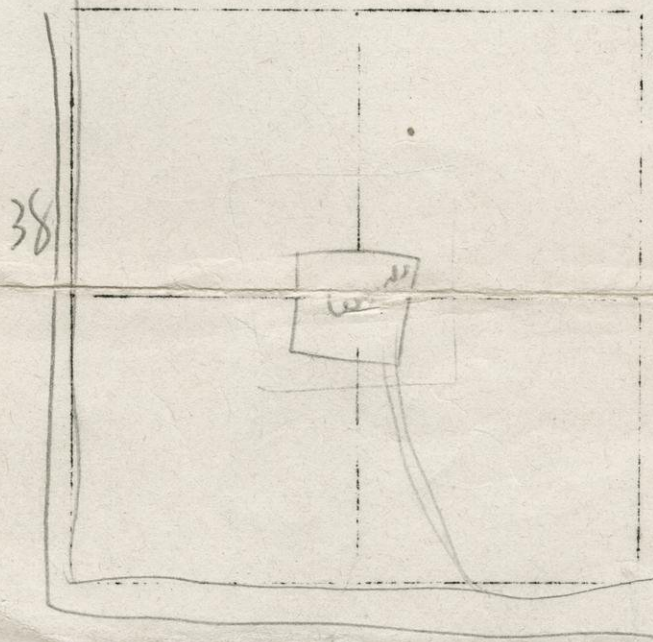
A0: none
 A1: 1-2"
 A2: none
 B:

Parent Material:

Remarks:

1902 - hurricane
 Some cutting of large oaks -
 very old - can't be
 counted -

Map



would be very interested if you'd send a
 list of the species found - as given
 to Mr. M. J. Zirbes (Report sent
 Jan. 4-50.)
 Lily pond Farm
 Route 1
 Caledonia, Wis.

Acknowledged by
 Mr. Zirbes in
 accompanying letter

72

Tree	# Pts	# Tr.	Size Cl. sq. in.	# Sap	# Seed	F.%	F.%	D.%	Dom %	D F D	CI	Station No.
			-80:-320:-321:Dom.			Seed	Tr.	Tr.	Tr.	Index		1101
Acer rubrum												Total Length of Transect.
7.5 A. sacchar.	3	4	$\frac{3}{164}$ $\frac{1}{130}$	294	14		4.2	5.0	6.2	15.4	154	570'
5.0 Carya cord.	2	2	$\frac{2}{34}$	34			2.8	2.5	.7	7.0	59	Total Area of Transect
C. ovata												3762 sq ft.
Fagus gran.												Ave. Dist. Btw'n Trees
55.0 Fraxinus am	22	27	$\frac{24}{754}$ $\frac{3}{648}$	1402	4		31.0	33.75	29.7	94.4	614	14.2
F. penn.												Saplings/unit area
Juglans cin												Ave. BA (Total BA=80)
2.5 J. nigra	1	2	$\frac{2}{77}$	77			1.4	2.5	1.6	5.5	27	58.9 sq in.
17.5 Ostrya vir.	7	8	$\frac{8}{186}$	186	17		9.9	10.00	3.9	23.8	190	No. Trees/acre
Populus gr.												249.5
P. tremuloi												Dom./acre
5.0 Prunus sero	2	2	$\frac{2}{118}$	118			2.8	2.5	2.5	7.8	27	14,696
12.5 Quercus al.	5	5	$\frac{4}{77}$ $\frac{4}{759}$	836			7.0	6.25	17.7	30.9	124	
Q. macrocar												
7.5 Q. rubra	3	3	$\frac{4}{76}$ $\frac{1}{300}$ $\frac{1}{325}$	671			4.2	3.75	14.2	22.1	133	
Q. velutina												
50.0 Tilia amer.	20	21	$\frac{20}{700}$ $\frac{1}{83}$	783	5		28.2	26.25	16.6	71.0	532	
10.0 Ulmus amer.	4	4	$\frac{4}{139}$	139	1		5.6	5.0	2.9	13.5	54	
5.0 U. fulva	2	2	$\frac{2}{25}$ $\frac{1}{98}$	173	1		2.8	2.5	3.7	9.0	63	
Amelanchier					1		2.8					
177.5 Pampus.ving					2							
Totals	80		$\frac{68}{2370}$ $\frac{11}{2018}$ $\frac{1}{325}$	4714	45		✓	✓	99.7	✓	1972	

III Hardwood Survey

Station Record-Trees

Stand No. 1101

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 85"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 38"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		11.5 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 23"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Jugland cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor — 14"			P. tremuloides			Tilia american		1
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		14 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 13"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 28"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		9 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 32"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra — 46"		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		6 ft

III Hardwood Survey

Station Record-Trees

Stand No.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 45"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin. — 2			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american — 20"		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

10.5 ft

Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 20', 32'			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Jugland cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

9 ft.

Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 22'			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina — 62"					

Distance:

16 ft.

Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba — 233'		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 32" — 1		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

16 ft

III Hardwood Survey

Station Record-Trees

Stand No.

121001

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum — 130"		6	F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina — 56"			Distance:		24 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Jugland cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 60, 30		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina			Distance:		8 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum — 72"		2	F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinis carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american — 12"		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina			Distance:		20.5'
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 30, 73"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum — 1			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina			Distance:		12 ft

III Hardwood Survey

Station Record-Trees

Stand No.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 35			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 16"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		14 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. —			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Jugland cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 28"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva — 75"		
Crataegus sp.			P. serotina					
						Distance:		10.5 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba — 275		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin. — 1			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 64" — 1		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva — 1		
Crataegus sp.			P. serotina					
						Distance:		12 ft
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum — 17, 75"			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin. — 1			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp. — 1			P. serotina					
						Distance:		17 ft

III Hardwood Survey

Station Record-Trees

Stand No.

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.		2	Quercus alba	155"	
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american	25"	
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:	17. ft	
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.	30"		Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.		1	Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american	76	1
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:	13 ft	
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.	75"		Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor	20"		P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		1
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:	17 ft	
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.	16 1/2"	1	Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:	16 ft	

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

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

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

Distance: 1000 ft. to top of valley ??
 Polygonatum commut.
 Polygonatum pubesc.
 Polygonatum virgin.
 Potentilla simpl.
 Prenanthes alba
 Pteridium aquil.
 Pyrola elliptica
 Ranunculus abort.
 R. recurvatus
 R. septentrion.
 Rhus radicans
 Ribes americanum ?
 R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus alleghen.
 R. occidentalis
 R. strigosus
 Sambucus canad.
 Sanguinaria can.
 Sanicula gregaria
 S. marilandica
 Smilacina racemosa
 S. stellata
 Smilax edirrhata
 S. herbacea
 S. hispida
 Solidago altissima
 S. latifolia
 S. ulmifolia
 Thalictrum dioicum
 Trillium cernuum
 T. flexipes
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrum virg.
 Viburnum acerifolium
 V. affine
 Viola cucullata
 V. pubescens
 Vitis aestivalis
 V. riparia
 Zanthoxylum americ.
 Zizia aurea

Agastache scrophul.
 Allium canadense
 Amorpha canesc.
 Anaphalis marg.
 Anemone cylindrica
 Arabis canadensis
 A. laevigata
 A. lyrata
 A. perstellata
 Aralia hispida
 Arisaema dracont.
 Asclepias ovalif.
 A. phytolaccoides
 Aster azureus
 A. paniculatus
 A. prenanthoides
 Athyrium thelypter.
 Besseyia bullii
 Boehmeria cylindr.
 Botrychium multif.
 Bromus purgans
 Camptosorus rhizop.
 Carex convoluta
 Ceanothus americ.
 Chimaphila umbell.
 Cirsium altissim.
 Clematis virgin.
 Clintonia boreal.
 Comandra umbellata
 Conopholis americ.
 Corallorrhiza mac.
 Corydalis semperv.
 Cynoglossum offic.
 Cystopteris bulbif.
 Desmodium bracteos.
 D. canadense
 Dicentra canad.
 Diervilla lonicera
 Dioscorea villosa
 Dirca palustris
 Elymus villosus
 Epifagus virgin.

Erigeron philadel.
 Erythronium americ.
 Evonymus atropur.
 Floerkea proserp.
 Fragaria vesca
 Galium boreale
 Gaultheria procumb.
 Gaylussacia baccata
 Gentiana quinquef.
 Geum virginianum
 Hedeoma hispida
 Hepatica americana
 Heracleum lanatum
 Hieracium canad.
 H. scabrum
 Hydrophyllum append.
 Hypoxis hirsuta
 Ilex verticillata
 Juncus tenuis
 Juniperus communis
 J. virginiana
 Krigia biflora
 ✓ Lathyrus venosus
 Lilium philadel.
 Liparis liliifolia
 Lobelia cardinalis
 Lonicera dioica
 L. hirsuta
 Luzula acuminata
 L. Multiflora
 Milium effusum
 Mitchellia repens
 Monotropa uniflora
 Onoclea sensibilis
 Oryzopsis asperif.
 Osmunda cinnamomea
 Oxalis violacea
 Panax trifolium
 Paronychia canad.
 Pedicularis canad.
 Physocarpus opul.
 Phytolacca decand.

Pilea pumila
 Polymnia canad.
 Polypodium vulgare
 Prunella vulgaris
 Pteretis nodulosa
 Pyrus coronaria
 P. ioensis
 Ranunculus fascicul.
 R. rhomboideus
 Rhus glabra
 R. typhina
 Rubus hispidus
 R. pubescens
 Rudbeckia laciniata
 Salix sp.
 Sambucus pubens
 Saxifraga pennsylv.
 Scrophularia lan.
 S. marilandica
 Senecio balsamitae
 Silene stellata
 Solanum nigrum
 Solidago speciosa
 Staphylea trifolia
 Steironema ciliatum
 S. lanceolatum
 Streptopus roseus
 Symplocarpus foet.
 Taenidia integerr.
 Taxus canadensis
 Thalictrum dasycarp.
 Thaspium aureum
 Tradescantia ohio.
 Uvularia sessilif.
 Vaccinium canad.
 Veronica serpyllif.
 Viburnum lentago
 V. trilobum
 Vicia americana
 Viola conspersa
 V. incognita

Additional Species:

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Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.—15"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
✓ A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.—21"			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Cornus carol			P. grandident.			Sorbus americ.		
Cornus cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		6 ft
			Shrubs & Herbs					
Actaea sp.			Eupatorium purpur.			Polygonatum commut.		
Adiantum pedat.			Eupatorium rugosum			Polygonatum pubesc.		
Asarum gryp.			Festuca obtusa			Polygonum virgin.		
Allium tricocc.			✓ Fragaria virgin.			Potentilla simpl.		
Amphicarpa brac.			Galium aparine			Prenanthes alba		
Anemone quinque.			G. circaezans			Pteridium aquil.		
A. virginiana			G. concinnum			Pyrola elliptica		
Angelonella thal.			G. lanceolatum			Ranunculus abort.		
Antennaria sp.			G. triflorum			R. recurvatus		
Apocynum andros.			Geranium macul.			R. septentrion.		
Aquilegia canad.			Geum canadense			Rhus radicans		
Aralia nudicaul.			Goodyera pubesc.			Ribes americanum		
A. racemosa			Habenaria bract.			R. cynosbati		
Arenaria later.			Hamamelis virg.			R. missouriense		
Arisaema atrov.			Helianthus strum.			Rosa sp.		
Asarum canad.			✓ Hepatica acutil.			Rubus alleghen.		
✓ Aster macrophyll.			Heuchera richard.			R. occidentalis		
A. sagittifolius			Hydrastis canad.			R. strigosus		
A. shortii			Hydrophyllum virg.			Sambucus canad.		
Athyrium angust.			Hystrix patula			✓ Sanguinaria can.		
Aureolaria grandif.			Impatiens biflora			Sanicula gregaria		
Botrychium vir.			I. pallida			S. marilandica		
Brachyelytrum			Isopyrum bitern.			✓ Smilacina racemosa		
Campanula amer.			Lactuca spicata			S. stellata		
Carex albursina			Laportea canad.			Smilax ecirrhata		
C. pennsylvan.			Lappula virgin.			S. herbacea		
Caulophyllum thal.			Lathyrus ochrol.			S. hispida		
Celastrus scan.			Lonicera proclif.			Solidago altissima		
Circaea latif.			Lysimachia quadr.			S. latifolia		
Claytonia virg.			Maianthemum can.			S. ulmifolia		
Cornus altern.			Menispermum can.			✓ Thalictrum dioicum		
C. femina			Mitella diphylla			Trillium cernuum		
C. rugosa			Monarda fistulosa			T. flexipes		
Corylus americana			Orchis spectab.			✓ T. grandiflorum		
Cryptotaenia canad.			Oryzopsis racem.			T. recurvatum		
Cypripedium pubesc.			✓ Osmorhiza clayton.			Triosteum perfoliatum		
Cystopteris frag.			O. longistylis			Uvularia grandiflora		
Dentaria laciniata			Osmunda clayton.			Veronicastrum virg.		
Desmodium acumin.			Panax quinquef.			Viburnum acerifolium		
D. nudiflorum			Panicum latifolium			V. affine		
Dicentra cucullaria			Parietaria pennsylv.			Viola cucullata		
Dodecatheon meadia			Parthenocissus vit.			V. pubescens		
Dryopteris spirulosa			Phlox divaricata			Vitis aestivalis		
Erigeron pulchellus			Phryma leptostachya			V. riparia		
Erythronium albidum			Podophyllum pelt.			Zanthoxylum americ.		
			Polemonium reptans			Zizia aurea		

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra	45"		Q. rubra		
B. nigra			✓ Ostrya virgin.	65"		Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Camporus carol			P. grandident.			Sorbus americ.		
Carra cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

13 ft.

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

Tree	: BA	: S	Tree	: BA	: S	Tree	: BA	: S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 25"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Ceanothus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 18" — 1		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		13 ft
			<u>Shrubs & Herbs</u>					
Actaea sp.			Eupatorium purpur.			Polygonatum commut.		
Adiantum pedat.			Eupatorium rugosum			Polygonatum pubesc.		
Agrimonia gryp.			Festuca obtusa			Polygonum virgin.		
Allium tricocc.			Fragaria virgin.			Potentilla simpl.		
Anchicarpa brac.			Galium aparine			Prenanthes alba		
Anemone quinque.			G. circaezans			Pteridium aquil.		
A. virginiana			G. concinnum			Pyrola elliptica		
Ageronella thal.			G. lanceolatum			Ranunculus abort.		
Antennaria sp.			G. triflorum			R. recurvatus		
Aplectrum hiem.			Geranium macul.			R. septentrion.		
Apocynum andros.			Geum canadense			Rhus radicans		
Aquilegia canad.			Goodyera pubesc.			Ribes americanum		
Aralia nudicaul.			Habenaria bract.			R. cynosbati		
A. racemosa			Hamamelis virg.			R. missouriense		
Arenaria later.			Helianthus strum.			Rosa sp.		
Arisaema atrov.			Hepatica acutil.			Rubus alleghen.		
Asarum canad.			Heuchera richard.			R. occidentalis		
Aster macrophyll.			Hydrastis canad.			R. strigosus		
A. sagittifolius			Hydrophyllum virg.			Sambucus canad.		
A. shortii			Hystrix patula			Sanguinaria can.		
Athyrium angust.			Impatiens biflora			Sanicula gregaria		
Aureolaria grandif.			I. pallida			S. marilandica		
Botrychium vir.			Isopyrum bitern.			Smilacina racemosa		
Brachyelytrum			Lactuca spicata			S. stellata		
Campanula amer.			Laportea canad.			Smilax ecirrhata		
Carex albursina			Lapoula virgin.			S. herbacea		
C. pennsylvan.			Lathyrus ochrol.			S. hispida		
Caulophyllum thal.			Lonicera prolif.			Solidago altissima		
Celastrus scan.			Lysimachia quadr.			S. latifolia		
Circaea latif.			Maianthemum can.			S. ulmifolia		
Claytonia virg.			Menispermum can.			Thalictrum dioicum		
Cornus altern.			Mitella diphylla			Trillium cernuum		
C. femina			Monarda fistulosa			T. flexipes		
C. rugosa			Orchis spectab.			T. grandiflorum		
Corylus americana			Oryzopsis racem.			T. recurvatum		
Cryptotaenia canad.			Osmorhiza clayton.			Triosteum perfoliatum		
Cypripedium pubesc.			O. longistylis			Uvularia grandiflora		
Cystopteris frag.			Osmunda clayton.			Veronicastrum virg.		
Dentaria laciniata			Panax quinquef.			Viburnum acerifolium		
Desmodium acumin.			Panicum latifolium			V. affine		
D. nudiflorum			Parietaria pennsylv.			Viola cucullata		
Dicentra cucullaria			Parthenocissus vit.			V. pubescens		
Dodecatheon meadia			Phlox divaricata			Vitis aestivalis		
Dryopteris spinulosa			Phryma leptostachya			V. riparia		
Erigeron pulchellus			Podophyllum pelt.			Zanthoxylum americ.		
Erythronium albidum			Polemonium reptans			Zizia aurea		

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 28"			Quercus alba — 96"		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

12 ft.

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

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. - 40"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin. — 2			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Cornus carol			P. grandident.			Sorbus americ.		
Cornus cordifor			P. tremuloides			Tilia american — 13"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance: 14.5 ft

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

Cox ML

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin. — 23"			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Caryinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american — 83"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

31 ft.

Shrubs & Herbs

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

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. - 24"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
✓ A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoii			Robinia pseudo		
15 Cammus carol			P. grandident.			Sorbus americ.		
Canra cordifor			P. tremuloides			Tilia american - 20"		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance: 9 ft.

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

✓ Carex ML

Tree	: BA	: S	Tree	: BA	: S	Tree	: BA	: S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
✓ A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra	325"	
B. nigra			✓ Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoii			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american	50"	
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

19.58

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

Tree : BA : S : Tree : BA : S : Tree : BA : S

Acer negundo
A. rubrum
A. saccharinum
A. saccharum
Amelanchier sp.
Betula lutea
B. nigra
B. papyrifera
Carpinus carol
Carya cordifor
C. ovata
Celtis occiden
Crataegus sp.

Fagus grandif.
Fraxinus amer.
F. nigra
F. pennsylvan.
Juglans cinere
J. nigra
Ostrya virgin.
Populus deltoi
P. grandident.
P. tremuloides
Prunus americ.
P. pennsylvan.
P. serotina

Prunus virgin.
Quercus alba
Q. bicolor
Q. ellipsoid.
Q. macrocarpa
Q. rubra
Q. velutina
Robinia pseudo
Sorbus americ.
Tilia american
Ulmus american
U. fulva

Distance:

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

Shrubs & Herbs

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

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

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.	50	46	Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.		2	Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

Shrubs & Herbs

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

11

Tree	: BA	: S	Tree	: BA	: S	Tree	: BA	: S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.	298"		Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin.		1	Q. velutina		
B. papyrifera			Populus deltoii			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva	98"	
Crataegus sp.			P. serotina					
Distance:								

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

 Tree : BA : S : Tree : BA : S : Tree : BA : S :

25
 Acer negundo
 A. rubrum
 A. saccharinum
 A. saccharum
 Amelanchier sp.
 Betula lutea
 B. nigra
 B. papyrifera
 C. caroliniana
 C. cordifolia
 C. ovata
 Celtis occidentalis
 Crataegus sp.

Fagus grandif.
 Fraxinus americana -265
 F. nigra 32"
 F. pennsylvanica
 Juglans cinerea
 J. nigra
 Ostrya virginica
 Populus deltoides
 P. grandidentata
 P. tremuloides
 Prunus americana
 P. pennsylvanica
 P. serotina

Prunus virginiana
 Quercus alba
 Q. bicolor
 Q. ellipsoides
 Q. macrocarpa
 Q. rubra
 Q. velutina
 Robinia pseudoacacia
 Sorbus americana
 Tilia americana
 Ulmus americana
 U. fulva

Distance: 23 ft

Actaea sp.
 Adiantum pedatum
 Anemone gryp.
 ✓ Anemone tricocc.
 Anemone virginiana
 Anemone thal.
 Anemone sp.
 Apocynum androsaemifolium
 Aquilegia canadensis
 Aralia nudicaulis
 A. racemosa
 Arenaria lateralis
 Arisaema atrorhizon
 Asarum canadense
 Aster macrophyllum
 A. sagittifolius
 A. shortii
 Athyrium angustum
 Aureolaria grandifolia
 Botrychium virginicum
 Brachyelytrum
 Campanula americana
 Carex albursina
 C. pennsylvanica
 Caulophyllum thalictroides
 Celastrus scandens
 Circaea latifolia
 Claytonia virginica
 Cornus alternifolia
 C. femina
 C. rugosa
 Corylus americana
 Cryptotaenia canadensis
 Cyprripedium pubescens
 Cystopteris fragilis
 Dentaria laciniata
 Desmodium acuminatum
 D. nudiflorum
 Dicentra cucullaria
 Dodecatheon meadia
 Dryopteris spinulosa
 Erigeron pulchellus
 Erythronium albidum

Shrubs & Herbs
 Eupatorium purpureum
 Eupatorium rugosum
 Festuca obtusa
 Fragaria virginiana
 Galium aparine
 G. circaezans
 G. concinnum
 G. lanceolatum
 G. triflorum
 Geranium maculatum
 ✓ Geum canadense
 Goodyera pubescens
 Habenaria bracteata
 Hamamelis virginica
 Helianthus strumosus
 Hepatica acutiloba
 Heuchera richardsonii
 Hydrastis canadensis
 ✓ Hydrophyllum virginicum
 Hystrix patula
 ✓ Impatiens biflora
 I. pallida
 Isopyrum biternatum
 Lactuca spicata
 Laportea canadensis
 Lappula virginica
 Lathyrus ochroleucus
 Lonicera proclivis
 Lysimachia quadrangularis
 Maianthemum canadense
 Menispermum canadense
 Mitella diphylla
 Monarda fistulosa
 Orchis spectabilis
 Oryzopsis racemosa
 Osmorhiza claytonii
 O. longistylis
 Osmunda claytonii
 Panax quinquefolium
 Panicum latifolium
 Parietaria pennsylvanica
 Parthenocissus vitacea
 Phlox divaricata
 Phryma leptostachya
 Podophyllum peltatum
 Polemonium reptans

Polygonatum commutatum
 Polygonatum pubescens
 Polygonum virginicum
 Potentilla simplifolia
 Prenanthes alba
 Pteridium aquilinum
 ✓ Pyrola elliptica
 ✓ Ranunculus abortivus
 R. recurvatus
 R. septentrionalis
 Rhus radicans
 Ribes americanum
 R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus alleghensis
 R. occidentalis
 R. strigosus
 ✓ Sambucus canadensis
 ✓ Sanguinaria canadensis
 Sanicula gregaria
 S. marilandica
 ✓ Smilacina racemosa
 S. stellata
 Smilax ecirrhata
 S. herbacea
 S. hispida
 Solidago altissima
 S. latifolia
 S. ulmifolia
 Thalictrum dioicum
 Trillium cernuum
 T. flexipes
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrum virginicum
 Viburnum acerifolium
 V. affine
 Viola cucullata
 ✓ V. pubescens
 Vitis aestivalis
 V. riparia
 ✓ Zanthoxylum americanum
 Zizia aurea

I Hardwood Survey

Presence & Station Record

Stand No 1401

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Cornus carol			P. grandident.			Sorbus americ.		
Cornus cordifor			P. tremuloides			Tilia american	-24"	
C. ovata			Prunus americ.			Ulmus american	-55"	
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

148

Shrubs & Herbs

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

Tree	: BA	: S	Tree	: BA	: S	Tree	: BA	: S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			✓ Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin.	12"		Q. velutina		
B. papyrifera			Populus deltoii			Robinia pseudo		
Ceanothus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american	26"	
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					12
						Distance:		

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

Tree	: BA	: S	Tree	: BA	: S	Tree	: BA	: S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba — 77"		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin. — 30"			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Ceanothus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

17.5 ft

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

I Hardwood Survey

Presence & Station Record

Stand No.:

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer. — 16"			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
✓ A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			✓ Ostrya virgin. — 12"			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance: 9 ft

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

Shrubs & Herbs

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

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

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			✓ Fraxinus amer.	15	13	Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
✓ A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			✓ Tilia american		2
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

12 ft

Shrubs & Herbs

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

Tree : BA : S : Tree : BA : S : Tree : BA : S

37
Acer negundo
A. rubrum
A. saccharinum
A. saccharum
Amelanchier sp.
Betula lutea
B. nigra
B. papyrifera
Carpinus carol.
Carya cordifor
C. ovata
Celtis occiden
Crataegus sp.

Fagus grandif.
Fraxinus amer.
F. nigra
F. pennsylvan.
Juglans cinere
J. nigra
Ostrya virgin.
Populus deltoi
P. grandident.
P. tremuloides
Prunus americ.
P. pennsylvan.
P. serotina

Prunus virgin.
Quercus alba
Q. bicolor
Q. ellipsoid.
Q. macrocarpa
Q. rubra
Q. velutina
Robinia pseudo
Sorbus americ.
Tilia american
Ulmus american
U. fulva

Distance:

Actaea sp.
Adiantum pedat.
Agrimonia gryp.
Allium tricocc.
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Anemone quinque.
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Cyprinedium pubesc.
Cystopteris frag.
Dentaria laciniata
Desmodium acumin.
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spirulosa
Erigeron pulchellus
Erythronium albidum

Shrubs & Herbs

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

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

12"
52"
7 ft

✓ M L Corp

Prunus virgin.
Quercus alba
Q. bicolor
Q. ellipsoid.
Q. macrocarpa
Q. rubra
Q. velutina
Robinia pseudo
Sorbus americ.
Tilia american
Ulmus american
U. fulva

Distance:

12.5 ft

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

Lily Pond Farm  Caledonia, Wisconsin

March 7, 1950.

Mr. Robert Brown
Dept. of Botany
University of Wisconsin

Dear Mr. Brown:-

I have been away much of the time since receiving your report of our woods dated Jan. 4th so acknowledgement has been put off until now.

"Thank-you" is such a little word to say for all of the work you did and all of the interesting and valuable information you passed on to us. Mrs. Gibbs joins me in saying Thank-you as we both appreciate your report very much. We both love the woods and would like to keep it in its natural state with as little disturbance as possible.

We will both be happy to have you come in to see us at any time you find it convenient. Very truly yours
Max J. Gibbs

CI = 1972
1101 (Racine)

	Sap.	12- 19	20- 28	29- 38	39- 50	51- 63	64- 78	79- 95	96- 113	114- 132	133- 153	154- 176	177- 201	202- 254	255- 314	315- 380	381- 452	
Pop. trem.																		
Quercus ellip.																		
Q. macrocarp.																		
Q. velut.																		
Prun. serot.						2												2
Querc. alba							1		1			1		1	1			5
Pop. grand.																		
Carya ovata																		
Querc. rubra					1										1	1		3
Juglans nig.					2													2
Frax. amer.	4	5	7	7	3		2	1							2			27
Acer rubrum																		
Tilia amer.	5	4	7	3	2	1	3	1										21
Jug. cinerea																		
Ulmus amer.	1	1	1			2												4
Celtis occ.																		
Ulm. rubra	1						1		1									2
Carya cord.		1	1															2
Ostrya virg.	17	4	3				1											8
Acer sacc.	14	1					2			1								4
	42																	80

Av dist 14.2

Av BA 58.9

Trees/acre 249.5

Dom/acre 14.696

{ rather flat
good - little culling, old
much reproduction

Stand No. 1101

[illegible]

[illegible]

STATION NO.	p.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
SHRUBS & HERBS (Cont'd)																							
Floerkea proserp.																							
Fragaria vesca																							
F. v. var. amer.																							
F. virginiana	✓	✓				✓									✓							3	15
Galium aparine	✓				✓																	1	5
G. boreale																							
G. circaezans																							
G. concinnum	✓				✓												✓				✓	3	15
G. lanceolatum																							
G. triflorum																							
Gaultheria proc.																							
Gaylussacia bacc.																							
Gentiana quinq.																							
Geranium maculat.	✓					✓	✓	✓	✓							✓			✓	✓	✓	8	40
Geum canadense	✓						✓							✓								2	10
G. virginianum																							
Goodyera pubesc.																							
Habenaria bract.																							
H. hyperborea																							
H. hookeri																							
Hamamelis virg.																							
Hedeoma hispida																							
Helianthemum canadense																							
Helianthus strum.																							
Hepatica acutil.	✓	✓	✓			✓						✓	✓									5	25
H. americana																							
Heracleum lanatum	✓																						
Heuchera richard																							
Hieracium canad.																							
H. scabrum																							
Hydrastis canad.																							
Hydrophyllum appendiculatum																							
H. vir.	✓		✓			✓		✓				✓	✓	✓		✓						7	35
Hypoxis hirsuta																							
Hystrix patula	✓																						
Ilex verticillata																							
Impatiens biflor	✓														✓							1	5
I. pallida																							
Isopyrum bitern.																							
Jeffersonia diphylla																							
Juncus tenuis																							
Juniperus communis																							
J. virginiana																							
Krigia biflora																							
Lactuca spicata	✓																						
Laportea canad.																							
Lappula virgin.																							
Lathyrus ochroleucus																							
L. venosus																							
Lilium philadel.																							
Liparis liliif.																							

[illegible]

[illegible]

