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Site 1518: Rock County, Township 3N, Range 10E, Section 21. 1956-08

[s.l.]: [s.n.], 1956-08

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 1518

Name:

County: Rock

Date: Aug. 1956

Size of Stand 25 acres

Forest Type: Pinel. - Carya ovat.

Topography: rolling

Locality: Magnolia

T: 3N

R: 10E

Sec: NE of SE 21

Observers: Rogers

Size of Area Sampled: 10 acres

Soil Type:

Slope: 10°

Directions S

Condition of Stand:

Clear cut c. 30 yrs. ago
Nearly 100% stump sprouts. (many "saplings" also)

Open Grown Trees: None

% Canopy: 70

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁	6								68.2
A ₂									
B									

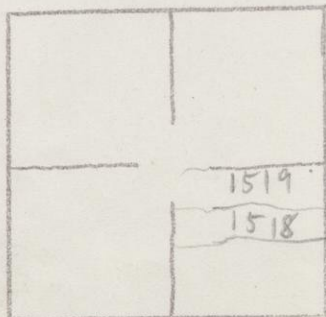
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2	
A ₁	1-1 1/2"	silt loam
A ₂		
B		

Parent Material:

Map:



1518 Stand #

Clear

Stand # 1518

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 20

STATION NO.	1	2	3	4	5	6	7	8	9	20
<i>Acer rubrum</i>										
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>										
<i>C. ovata</i>		1	1	3		1	2	21	2	1
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg</i>										
<i>Populus gran</i>					30	45 40 30	1 40 30			1
<i>P. tremul</i>					30					16 3
<i>Prunus serot</i>	19	12 29	1	1 40		4	1	2	1 35	75 60
<i>Quercus alba</i>			1	1						70 35+1
<i>Q. ellipsoid</i>									75 85 85 85	75 65
<i>Q. macrocarpa</i>	35+2 15 17 21 30 12+1	3 18 27	2 12 22 21	1			17+1		90 85	
<i>Q. rubra</i>										
<i>Q. velutina</i>			45 16 40 45 40 30 40	14 20 26 45 25	55 20 13	45 19	35	50 60 20 17 20 27 18 29		
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>										
<i>Pyrus ioiers.</i>									acer neg.	1
	8 11 8 17	25 13 11 18	6 10 13 11	24 10 20 28	26 16 12 25	19 10 18 23	14 12 15 20	7 23 7 10	14 14 15 22	4 15 8 17
Distance	9 16 6 15	7 12 8 25	5 12 5 15	8 16 8 20	6 8 14 20	3 9 6 9	6 7 7 16	6 18 10 9	16 20 13 26	13 18 21 29

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 20

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>					28 45					
<i>C. ovata</i>	26 21 1 23 17 17 + 2	1 20 45	2		28 30 + 1 17	50	1 25 2	1	1	
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg</i>										
<i>Populus gran</i>				1	2					
<i>P. tremul</i>	19									
<i>Prunus serot</i>		21 65 35	2	1		19 16	75	1 35	2	1 50 3
<i>Quercus alba</i>			45 45 40 + 1							
<i>Q. ellipsoid</i>		30 70 75 35 45 45		130 55 60						
<i>Q. macrocarpa</i>			26 22 + 2	40 45	1	2	35 55	1 29 25 45 26	1 35 15 30 + 2	1 16 + 2 20 29 + 1 50
<i>Q. rubra</i>										
<i>Q. velutina</i>						25 40 24	1			
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>	11 45 + 5	2	2							1
<i>Pyrus ioensis</i>				20						
	21 6 18 25	3 10 11 24	10 19 15 21	5 12 13 14	8 18 7 25	16 19 20 8	11 5 8 23	16 15 23 20	3 20 5 8	11 16 9 32
Distance	13 21 16 14	17 5 9 22	18 13 20 7	10 4 17 24	16 15 2 17	5 18 7 15	3 6 6 10	7 9 7 19	10 8 16 6	14 12 6 14

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 20

STATION NO.	31	2	3	4	5	6	7	8	9	40
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata		19 22 +2	3 30 40	13 23 16 30 15 35 + 2		2 30 14 24 + 1	4 30 26	3	3	3 15 3
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot		2		3	45			L	L	
Quercus alba	35 14 17 + 1					35 16 30	27 16			1 40
Q. ellipsoid	50	35 15 + 1	28 45	55		35	75 40 45	20 38 26 35 35	15 35 40	29 45 18
Q. macrocarpa		1 35	1	L	4 20 18 + 1	2		60 35 20 40 15		
Q. rubra										
Q. velutina	60 22	30 40 145	35 12		90 65		20		35 60	35 29 30
Tilia amer										
Ulmus amer										
Ulmus fulva										L
	16 12 10 24	15 7 26 7	7 19 8 20	14 18 16 29	2 12 8 15	19 25 7 30	28 15 24 26	13 17 11 35	10 16 17 18	8 21 20 8
Distance	8 7 8 7	6 9 8 13	7 13 8 14	6 10 7 13	15 7 9 14	8 7 8 15	12 13 14 15	11 13 12 18	7 4 9 15	15 11 18 18

20 (1518)

Soil A₀ $\frac{1}{8}$ "

A₁ $1\frac{1}{2}$ " - 1"

Silt loam

Light 6800-7100

150	200
90	160
120	100
100	100
140	100
600	660

1260

Temp soil 18-18
air 24-22

78.3%

18°

23°

water perm. 50 cc

60 sec.

10 sec.

35 sec

$$\frac{126}{6950} = 1.81\%$$

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 20

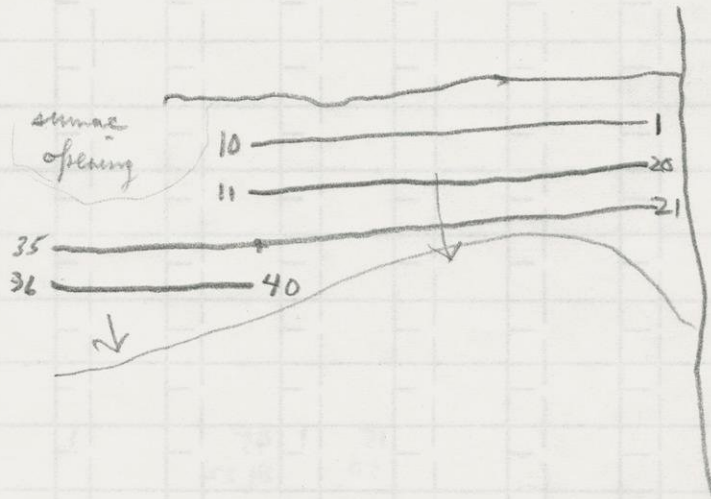
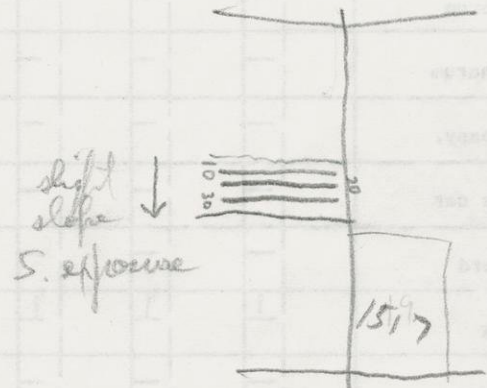
STATION NO.	21	2	3	4	5	6	7	8	9	30
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	1	1	1	1		16	1 25	3 19 15 27+1	4 19+2 30+1	3
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran				15 50	1 45 24 22		1			
P. tremul										
Prunus serot		35	45 (35 19)		1	1	1	23		1
Quercus alba	1 50 24 26 40					55 30 35 20 15	(30)		40 29	
Q. ellipsoid						55		24 25	35	45 24 45 3
Q. macrocarpa				22 ★						
Q. rubra	45 24 90 85									
Q. velutina	70 50 45 95 85		25 22 100 18 60	75	50		35 40 40 21	35	17	16 30
Tilia amer										
Ulmus amer										
Ulmus fulva	1	2	2	1	3	1				1
Acer neg.	1	1	1							
	9 13 5 20	4 18 12 13	9 18 9 21	12 15 22 10	7 11 6 17	2 21 6 12	14 21 9 18	15 10 15 11	14 16 25 21	5 12 10 14
Distance	6 18 12 9	6 17 7 11	13 11 20 19	3 11 15 8	5 10 7 12	11 11 13 17	8 12 5 19	2 14 14 6	8 4 14 17	6 22 9 18

★ Strip absent. 3 dead ls. 1 by 1 they die off.
See how big they are at 84 all die.

+ 2 dead ls

Nearly 100% of the oaks stump grown. These are *P. velut* X *ellip.*
 (as distinguished from *P. velut* X *rubra*) Many saps stump grow also.
 Quite a few *C. ovata* also. *P. mac* all along the road.

Frank Millwright owner of 1518 & 1519



1518

CI

Ave. BA.

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	II : Seed	F. % : Seed	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. : I. I.	C. I. : C. I.	Tree : Tree	Sap : Sap
Acerrubrum																
A. saccharum																
Carya cord.			(21)													
C. ovata	16	25	936	32	59	31.1	36.9	102	459	17.6	15.6	10.2	43.4	195.3	37.9	24.6
Celtis occiden.																
Fagus grand.																
Fraxinus amer.																
F. lanceolata																
F. pennsylvani																
Juglans cinere																
J. nigra																
Ostrya virgin.																
Populus grand.	5	11	371	6	7	5.8	4.4	15.3	65.8	5.5	6.9	4.1	16.5	70.9	33.7	
P. tremuloides	2	2	35	2	4	1.9	2.5	6.6	6.6	2.2	1.2	.4	3.8	3.8	17.5	
Prunus serotin	14	17	(21) 788	21	32	20.4	20	60.6	218.2	15.4	10.6	8.6	34.6	124.6	46.9	37.5
Quercus alba	10	14	(27) 903	4	4	3.9	2.5	9.6	34.6	11	8.7	9.9	29.6	106.6	64.5	33.9
Q. ellipsoidalis			(28)													
Q. macrocarpa	13	26	1053	16	26	15.5	16.2	47.5	47.5	14.3	16.2	11.5	42	42	64.5	27.7
Q. rubra			(116)													
Q. velutina	29	63	4985	1	1	1	.6	2.4	6	31.9	39.4	54.5	125.8	314.5	79.1	43
Tilia american																
Ulmus american																
U. rubra	1	1	(2) 61	15	21	14.6	13.1	41.5	340.3	1.1	.6	.7	2.4	19.7	30.5	
Pyrus idensis	1	1	20	2	2	1.9	1.2	4.6	4.6	1.1	.6	.2	1.9	1.9	20	
ACER NEGUNDO			(256)	4	4	3.9	2.5	9.6	9.6							
	91	160	9152	103	160	100	99.9	299.7	1192.2	100.1	99.8	100.1	300	879.3		

Ave. Dist.
Btw'n Trees
11.6 51P
14.65
Ave. BA
(Total
BA ÷ 80)
57.2 STEM
35.7
No. Trees
Per acre SAP
323.7 203
Dom. per
acre

18,515.6

1.6 stems/tree

+ 312.9

tree except P. am stem tree 4/t stem 12-22
113 83 1.36 47

Size classes

Stems

	12-22	23-33	34-44	45-55	56-66	67-77	78-88	89-99	100-124	125-149	1	2	3	4	5
CARYA OVATA	18	15	2	3							15	7	3		
Pop. grand.	2	4	2	3							11				
Pop. trem.	2	1	10	12	15	14	10	12	11		2				
Pe. serot.	6	2	6	3	2	2					14	2	1		
Q. alba	7	6	8	5		1					5	5	4		
Q. mac.	17	10	6	5							16	8	2		
Q. velut.	24	20	24	20	8	8	6	4	1	1	27	22	12	1	1
Ulm. fulva	1			1								1			
Pykus idensis	1										1				
	78	57	48	40	10	11	6	4	1	1	91	45	22	1	1
				254					2						

99.2%

0.8%

split origin

	singles	mult.	trees	stems	% mult.	stem/tree	mult.	stem	stem/tree	#	% split	% mult
Q. alba	5	9	14	27	64.3	1.93	9	22	2.44	10	71.4	90
Q. mac.	16	10	26	38	38.5	1.46	10	22	2.2	14	53.8	71.4
Q. velut.	27	36	63	116	57.1	1.84	36	89	2.47	36	57.1	100
	48	55	103	181	53.4	1.76	45	111	2.47			
No Q. mac		45	77	143	58.4	1.86						

151819
CIE 879

FRUS.
IDENTIS

	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.	5 4	2																4	2
Quercus ellip.	3 2		1															2	1
Q. macrocarp.	33 26	5	9 (6)	7 (3)	3 (2)	2 (1)												53	26 (12) 24
Q. velut.	1 1	4	6 (3)	13 (9)	18 (13)	7 (3)	7 (7)	6 (6)	1 (2)	1								128	63 (57) 108
ACER NEGUNDO	5 4																		
Prun. serot.	41 32	4	1	5 (1)	4		3 (3)											34	17 (4) 8
Querc. alba	5 4		3 (2)	3 (4)	5 (4)	2 (2)	1 (1)											28	14 (13) 21
Pop. grand.	7 7	1	2	3	5													22	11
Carya ovata	74 59	5	12 (8)	4 (4)	4 (1)													51	25 (13) 26
Querc. rubra																			
Juglans nig.																			
Frax. amer.																			
Acer rubrum																			
Tilia amer.																			
Jug. cinerea																			
Ulmus amer.																			
Celtis occ.																			
Ulm. rubra	27 21				1 (1)													2	10 (2) 2
Carya cord.																			
Ostrya virg.																			
Acer sacc.																			

160

Sap CI = 1192

160 (96)
194

#/acre

203

182.7

125.9

16.2

324

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

1518
3N10E NE of SE 21
Stand No. 20
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata 238
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum |
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica | 3789
Caulophyllum thalictroides
Celastrus scandens |
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina | 24789
C. rugosa
Corylus americana 3456710
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 3459
Galium aparine 9
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 9
Gerardia grandiflora
Geum canadense 8
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 3
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 2
Laportea canadensis
Lathyrus ochroleucus 2
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. 18
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta | 810
Phlox divaricata
Phryma leptostachya | 249
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum 68
Polygonatum pubescens
Potentilla simplex 25910
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 7
Ribes americanum
R. cynosbati | 510
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus 23458
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 8
S. stellata 4
Smilax ecirrhata 29
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata |
V. pubescens
Vitis aestivalis
V. riparia 3
Xanthoxylum americ.
Zizia aurea

Additional species:

Ulmus fulva 1810
• Acer negundo 14
• Prunus serot 13467
• Poa comp. 2456
• Taraxacum 5
• Querc. mac. 8
• Carya ovata 358
• Convolvulus sepium 4

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 20
Quadrat No.

Page 2

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala 3
Allium tricoccum
Amphicarpa braceata 12
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 134567810
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 158
Claytonia virginiana
Cornus alternifolia
C. femina 23678910
C. rugosa
Corylus americana 27
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine 136
G. circaezans
G. concinnum 459
G. lanceolatum
G. triflorum
Geranium maculatum 5
Gerardia grandiflora
Geum canadense 23
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 2
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa 8
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. 2
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 23
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum 5
Polygonatum pubescens
Potentilla simplex 10
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 2
Ribes americanum
R. cynosbati 27
R. missouriense
Rosa sp.
Rubus allegheniensis 3
R. occidentalis 6
R. strigosus 124589
Sambucus canadensis 5
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 38
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 2
V. pubescens
Vitis aestivalis
V. riparia 510
Xanthoxylum americ.
Zizia aurea

Additional species:

- Prunus serot 567
- Quercus velut. 234
- A. alba 3
- Carya ovata 34910
- Anelanchie 6
- Aster simplex 1, 4
- Opalis violae. 2
- Rhus glabra 7

SOUTHERN UPLAND HARDWOODS

Presence 1518

Actaea pachypoda
Adiantum pedatum
✓ Agrimonia gryposepala 5
✓ Amelanchier spp. 5
✓ Amphicarpa bracteata 25
Anemonella thalictroides
✓ Apocynum androsaemifolium
Aralia nudicaulis
A. racemosa
✓ Arenaria lateriflora
Arisaema atrorubens
Aster macrophyllus
✓ A. sagittifolius
A. shortii
Athyrium filix-femina
✓ Botrychium virginianum 5
Brachyelytrum erectum
Carex albursina
C. convoluta
✓ C. pensylvanica 65
Caulophyllum thalictroides
✓ Celastrus scandens 5
✓ Circaea quadrisulcata 15
Cornus alternifolia
✓ C. femina 65
C. rugosa
✓ Corylus americana 40
Cryptotaenia canadensis
Desmodium glutinosum
D. nudiflorum
Dioscorea villosa
Eupatorium purpureum
E. rugosum
Festuca obtusa
✓ Fragaria virginiana 20

✓ Galium aparine 20
G. circaezans
✓ G. concinnum 15
G. lanceolatum
G. triflorum
✓ Geranium maculatum 10
✓ Geum canadense 15
✓ Hackelia virginiana
✓ Helianthus strumosus 5
Hepatica acutiloba
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
✓ Lactuca biennis 10
Laportea canadensis
✓ Lathyrus ochroleucus 5
Lonicera prolifera
Lysimachia quadrifolia
✓ Monarda fistulosa 5
✓ Osmorhiza claytoni 15
O. longistylis
✓ Oxalis violacea 5
Panicum latifolium
Parietaria pensylvanica
✓ Parthenocissus vitacea 15
Phlox divaricata
✓ Phryma leptostachya 30
Podophyllum peltatum
Polemonium reptans
✓ Polygonatum canaliculatum 15
P. pubescens
Polygonum virginianum
✓ Potentilla simplex 25
Prenanthes alba
✓ Prunus virginiana

Pteridium aquilinum
Pyrula elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
✓ Rhus radicans 10
✓ R. cynosbati 25
R. missouriense
Rosa sp.
✓ Rubus allegheniensis 5
✓ R. occidentalis 5
✓ R. strigosus 55
✓ Sambucus canadensis 5
Sanguinaria canadensis
✓ Sanicula gregaria
S. marilandica
✓ Smilacina racemosa 15
✓ S. stellata 5
✓ Smilax ecirrhata 10
S. herbacea
Solidago canadensis
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. lentago
V. rafinesquianum
✓ Viola cucullata 10
V. pubescens
Vitris aestivalis
✓ V. riparia 15
Zanthoxylum americanum

Additional species:

- Antennaria
- Convolvulus 5
- Aster laterif 10
- Cornus rugosa 5

- Acer neg 10
- Carya ovata 35
- Prun. serot 40
- Q. alba 5
- Q. mac 5
- Q. velut 15

- Ulmus rub. 15

- Poa comp. 20

- Rhamnus cathartica
- Taraxacum 5
- Rhus glabra 5

65 - 65 - 65 - 60 - 75 - 75 - 65

Canopy 65 - 55 - 65 - 80 - 65 - 70 - 70

67.1%

1518

CI = 879

Sap - 1192 + 1

H - 211 + 1

750

550

350

250

150

100

50

25

1

4

7

10

13

16

19

22

25

