



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 1546: Iowa County, Township 5N, Range 3E, Section 10, SE 1/4.

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

<https://digital.library.wisc.edu/1711.dl/H5FX4TBSMDUUF8T>

This material may be protected by copyright law (Title 17, US Code).

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

1546 Stand # Clear Stand # 1546

Stand # 1546

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1546

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>		37					31	28		2
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>	1	1	1	1	1	1	19 14	2	1	
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>	2	19	1	3	18 33	3	16	2		
<i>F. nigra</i>	1		25		17	2		38+1 28+1		
<i>Juglans cin.</i>										
<i>J. nigra</i>										1
<i>Ostrya virg</i>							1			
<i>Populus gran</i>	24 21									
<i>P. tremul</i>	24 21		39	41 26	40	30 23				39
<i>Prunus serot</i>					30			15		
<i>Quercus alba</i>	15 30	27	15	29+1						37 live 20 dead 41 "
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>	32	43 37+1	25 26341	70		48 70 80		12 53	2723 36 6057	1
<i>Q. velutina</i>										
<i>Tilia amer</i>									1820 2526 45+2	2148 52+2
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>						83				23
	87 617	212 1514	78 1210	513 910	1216 814	134 619	57 610	127 814	56 810	619 102
Distance	67 99	126 612	714 1419	139 109	33 412	186 817	87 415	137 316	1811 28	119 1915

70 50

50 60

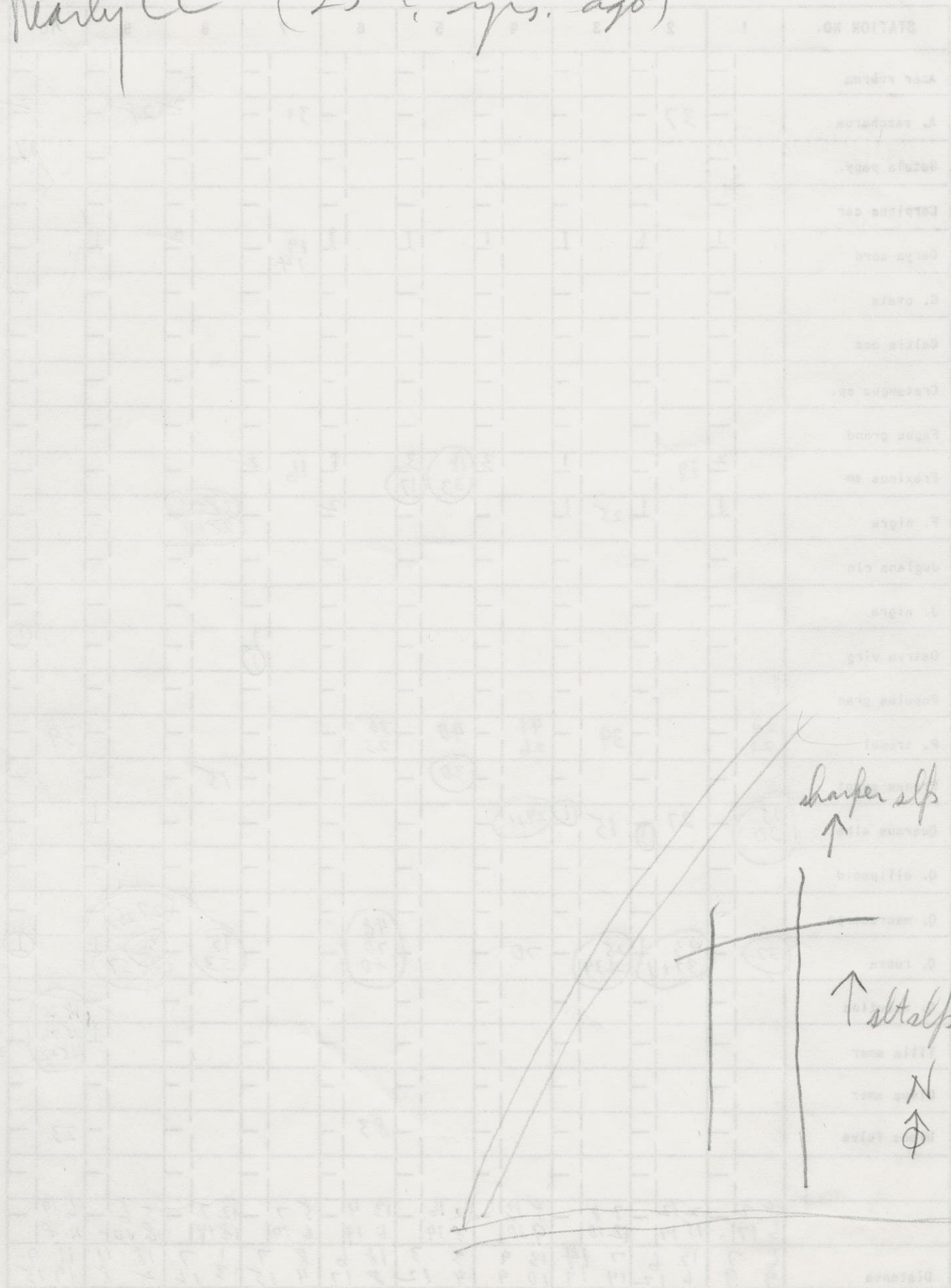
75 60 80

Nearly cc (25? yrs. ago)

POINT RECORD TREES
Data Form No. 28

Plant Ecology Research

Univ. of Wisconsin



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1546

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>	36 16		31 ①	2			17 33	17	2	
<i>Betula papy.</i>										
<i>Carpinus car.</i>										
<i>Carya cord.</i>						13	13	2		
<i>C. ovata</i>										
<i>Celtis occ.</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand.</i>									25	
<i>Fraxinus am.</i>	1	14	22 28	2			19 +1	1	2	36
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg.</i>	2	1	1	2	3	30	30	1	2	3
<i>Populus gran.</i>										
<i>P. tremul.</i>	16								29	
<i>Prunus serot.</i>				18	12	32 33 36	36 28			23
<i>Quercus alba</i>				70						20
<i>Q. ellipsoid.</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>		47 16 24	58		14 42 41 80 68	67 24 25 38 26	29 55	69 48	32 46 43 86	77 32 30
<i>Q. velutina</i>		80 73			16 16 42 14 28 23 42 + 5					
<i>Tilia amer.</i>	33 20 + 1		20							
<i>Ulmus amer.</i>										
<i>Ulmus fulva</i>	1							23		
	7 9 8 15	6 9 7 12	14 14 6 26	7 12 8 24	3 12 7 11	6 7 7 11	6 8 7 13	4 12 13 7	3 12 13 12	13 11 6 9
Distance	12 17 7 7	9 9 10 8	3 14 3 18	9 10 7 8	18 17 18 20	5 10 9 24	15 5 14 10	7 14 8 16	7 14 7 11	9 18 9 18

most are
good
Q. rub.
in reality,
Q. vel.
partly
biggest
1/2 maybe
went out
Wasa dark
41 way
cut 16 ft.

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1546

STATION NO.	1	2	3	4	5	6	7	8	9	30
Acer rubrum										
A. saccharum		15	24	3	22	3	(21 12+1)	(19 15)	+ 70	(19 +2)
Betula papy.										
Carpinus car										
Carya cord				1	15 22	1				
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am	3	1								
F. nigra			1							
Juglans cin.										
J. nigra										
Ostrya virg		1			3		3	3	3	1
Populus gran										
P. tremul										
Prunus serot		(39 26)					31		13	
Quercus alba										43
Q. ellipsoid										
Q. macrocarpa				(59 59 54 16+1)			(13+1)	(37 45 40+2)		(18)
Q. rubra	(42 50)	(69 65)		(40 36)		(21 35 35)		(34 60 26 22 16)	(61 29 30 49)	
Q. velutina								(56 31 12+1)	(36 24 47 34 73)	
Tilia amer	(44 75 24 59 41 80 24 30 15 19)	(22+3)	62		17 25	(52+1 55 95)				(61 50 40 32 48 +1)
Ulmus amer			37							
Ulmus fulva	25	23	55	(41 45 36)			(21 15)		14	2
	7 14 9 16	3 7 6 11	6 10 9 7	7 6 12 8	9 5 11 13	6 8 2 12	6 11 7 11	12 5 8 18	11 4 10 9	3 18 12 28
Distance	9 6 9 14	12 5 18 21	6 19 9 12	13 9 21 24	11 13 12 14	7 17 7 18	9 13 19 29	5 16 16 7	16 8 15 24	3 20 8 18

stump,
so a. sac
was cut
sawed off

stump
+ 3 dead
saps

70

80

90

50

In Low 100 40 70 40 40 70 50

Hi 90

Out Hi 180

Sail Ao $\frac{1}{2}$

A, $1\frac{1}{2}$ - 2" silt loam

B yellow

Transition

1-10 more flat

10-40, more

N. facing.

Notice tree
prop + herb diff
↓

Several steep elms, seen to be
dying out stlly & sapling.

several bur oak (stump origin)
mixed in w sugar maple etc

slt
w slp ←
N facing slp
↑

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1546

STATION NO.	1	2	3	4	5	6	7	8	9	40
<i>Acer rubrum</i>										
<i>A. saccharum</i>		18 28				3 21	14	12 +1		34 25
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>									1	
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>						12				
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>	21									
<i>Ostrya virg</i>		1	3	2		1	3	3		4
<i>Populus gran</i>										
<i>P. tremul</i>			14		26				53	40
<i>Prunus serot</i>				35			37			
<i>Quercus alba</i>								12 34		
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>				2336 5861			20+11		13 55 28 44	30
<i>Q. rubra</i>		43 55	172 252 29+2	67 20 23+1	18 6530	40	25 21			
<i>Q. velutina</i>						12		31+2		
<i>Tilia amer</i>	45				15+5 3321 +3	224 22		4445 41422 4537+5		
<i>Ulmus amer</i>		1				24+3				
<i>Ulmus fulva</i>	19 22	2 19						14		
	8 14 13 10	3 16 4 20	3 11 6 11	5 10 7 7	4 15 14 22	7 6 10 13	8 11 4 13	11 16 17 18	7 10 12 18	7 9 16 11
Distance	4 13 17 12	11 10 21 20	9 8 8 12	16 14 6 15	14 8 11 15	18 5 20 9	10 14 9 20	13 8 13 10	13 15 7 16	11 12 4 23

Av. B.A. 1546

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	F. % : Seed	F. % : Seed	D. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. : I. I.	C. I. : C. I.	Tr. : Tr.	Tr. : Tr.
Acerrubrum			(25)													
A. saccharum	19	21	575	20	34	19.6	21.2	61.2	61.2	15.6	13.1	6.2	34.9	349.0	27.4	23
Carya cord.	3	5	83	15	17	14.7	10.7	38.1	327.7	2.5	3.1	.9	6.5	55.9	16.6	16.6
C. ovata																
Celtis occiden.																
Fagus grand.			(12)													
Fraxinus amer.	8	10	259	21	33	20.6	20.6	61.8	414.1	6.6	6.2	2.8	15.6	104.5	25.9	21.6
F. lanceolata	2	3	91	5	6	4.9	3.7	12.9	77.4	1.6	1.9	1.0	4.5	27.0	30.3	30.3
F. pennsylvani																
Juglans cinere																
J. nigra	1	1	21							.8	.7	.2	1.7	10.7	21	21
Ostrya virgin.	1	1	30	25	52	24.5	32.5	85.2	741.2	.8	.7	.3	1.8	15.7	30	30
Populus grand.																
P. tremuloides	12	15	461							9.8	9.4	4.9	24.1	24.1	30.7	30.7
Prunus serotin	12	13	(16) 444	1	1	1.0	.6	2.4	8.6	9.8	8.1	4.8	22.7	81.7	39.2	27.7
Quercus alba	8	8	(10) 295	3	3	2.9	1.9	7.8	28.1	6.6	5.0	3.2	14.8	53.3	36.9	29.5
Q. ellipsoidalis																
Q. macrocarpa	2	2	(100) 31							1.6	1.2	.3	3.1	3.1	15.5	15.5
Q. rubra	28	48	(100) 4559	5	5	4.9	3.1	12.0	67.2	23.0	30.0	48.9	101.9	570.6	95	42.2
Q. velutina			(37)													
Tilia american	13	19	(16) 1956	2	2	2.0	1.2	4.8	35.0	10.7	11.9	21.0	43.6	318.3	102.9	34.9
Ulmus american	1	1	37	1	1	1.0	.6	2.4	11.0	.8	.6	.4	1.8	18.3	37	37
U. rubra	12	13	(16) 478	4	6	3.9	3.7	11.4	93.5	9.8	8.1	5.1	23.0	188.6	36.8	29.9
			(27)													
	122	160	9320	102	160	100	100	300	24158	100	100	100	300	1810.8		

Ave. Dist.
Btw'n Trees

Ave. BA
(Total
PA ÷ 80)

No. Trees
Per acre

Dom. per
acre

1.69 stems/tree

+605

Canopy 71%

stems

Q. alba

Q. mac

Q. rub

1	2	3	4	5	6	total
6	2					8
2						2
13	21	6	6	1	1	48

singles

mult.

trees

stems

% mult.

st/t

6

2

8

10

25

1.25

2

0

2

2

0

1

13

35

48

108

72.9

2.25

21

37

58

120

63.8

2.07

No *Q. mac*

19

37

56

118

66.1

2.11

Mult. only

mult stems

stems/t

2

4

35

95

37

99

2

2.71

2

2.68

split origin

#

% split

% mult

3

37.5

66.7

2

100

0

46

95.8

76.1

Q. alba

Q. mac

Q. rub

Q. prin

Q. lyr

Q. agr

Q. rob

Q. ser

Q. lae

Q. ped

Q. ilic

Q. cocc

Q. agr

Q. rob

Q. ser

Q. lae

Q. ped

Q. ilic

Q. cocc

Q. agr

Q. rob

Q. ser

Q. lae

Q. ped

Q. ilic

1546

CI = 1811

	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.		2	5	2	5	1												30	15
Quercus ellip.																		4	2
Q. macrocarp.		2																	
Q. velut.																			
Prun. serot.	3	1	4	1	7②	10												26	13③ 6
Querc. alba	8	3	1	2	3②	1	1											16	8② 4
Pop. grand.																			
Carya ovata																			
Querc. rubra	14	5	1	4③	8⑦	10⑧	13②③	9②	4⑧									94	48⑥⑩ 118
Juglans nig.				1														2	1
Frax. amer.	90	33	6	2①	2①													20	10② 4
Acer rubrum																			
Frax. nigra	16	6		2	1													6	3
Tilia amer.	5	2	3	4④	3②	4⑤	3⑥		2⑩									38	19⑦⑧ 73
Jug. cinerea																			
Ulmus amer.	3	1			1													2	1
Celtis occ.																			
Ulm. rubra	16	6	4	6①		1②	1	1										26	13③ 6
Carya cord.	46	17	4	1														10	5
Ostrya virg.	142	52			1													2	1
Acer sacc.	93	34	8②	6①	7①													42	21④ 8

160

Sap CI = 2416

160③

219

#/acre

436

206

99.4

13.9

318

Presence or Frequency
 (Common species only)

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
 ✓ Adiantum pedatum 9 13 14
 Agrimonia gryposepala
 ✓ Allium tricoccum
 Amphicarpa braceata 2
 Anemone quinquefolia
 A. virginiana
 Anemonella thalictroides 14
 Antennaria sp.
 Aplectrum hiemale
 Apocynum androsaemifolium
 Aquilegia canadensis
 Aralia nudicaulis 8 13 14 15 20
 A. racemosa
 Arenaria lateriflora
 Arisaema atrorubens 3 14 19
 Asarum canadensis
 Aster macrophyllus
 ✓ A. sagittifolius 20
 A. shortii
 Athyrium filix-femina 10
 Botrychium virginianum 17 10 11 13
 Brachyelytrum erectum
 Campanula americana
 Carex albursina 29
 C. pensylvanica 35 7 9 11 12 16 19
 Caulophyllum thalictroides
 Celastrus scandens 7 8 12 14 15
 Circaea quadrisulcata 2 16
 Claytonia virginiana
 Cornus alternifolia 1 13
 C. femina 3 7 20
 C. rugosa
 Corylus americana 4 12
 Cryptotaenia canadensis
 Cypridium pubescens 13
 Cystopteris fragilis
 Dentaria laciniata
 Desmodium glutinosum 12 4 14
 D. nudiflorum
 Dicentra cucullaria
 Dodecatheon meadia
 Dryopteris spinulosa 10, 16
 Erigeron pulchellus
 Erythronium albidum
 Eupatorium purpureum

Eupatorium rugosum
 Festuca obtusa
 Fragaria virginiana 4 12 15
 Galium aparine
 G. circaeans 20
 G. concinnum 14 6 7 11
 G. lanceolatum
 G. triflorum
 Geranium maculatum 12 4 5 10 11 23
 Gerardia grandiflora
 Geum canadense 15 20
 Goodyera pubescens
 Habenaria bracteata
 Hackelia virginica
 Hamamelis virginiana
 ✓ Helianthus strumosus
 Hepatica acutiloba 10 16 17
 Heuchera richardsonii
 Hydrastis canadensis
 Hydrophyllum virginianum
 Hystrix patula
 Impatiens capensis
 I. pallida
 Isopyrum biternatum
 Lactuca biennis
 Laportea canadensis
 Lathyrus ochroleucus
 Lonicera prolifera 10
 Lysimachia quadrifolia 24
 Maianthemum canadensis
 ✓ Menispermum canadensis 15
 Mitella diphylla
 Monarda fistulosa
 Orchis spectabilis
 Oryzopsis racemosa
 Osmorhiza clayton 34 7 10 15 17 18
 O. longistylis 9
 Osmunda claytoni
 Panax quinquefolia
 Panicum latifolium 4
 Parietaria pennsylvanica
 Parthenocissus inserta 12 3 7 8 9 14
 Phlox divaricata
 Phryma leptostachya 4 6 7 15
 Podophyllum peltatum
 Polemonium reptans

Polygonatum canaliculatum
 Polygonatum pubescens
 Potentilla simplex
 Prenanthes alba
 Pteridium aquilinum
 ✓ Pyrola elliptica 11 12 13 15
 Ranunculus abortivus 19
 R. recurvatus
 R. septentrionalis 15
 Rhus radicans 11 13 20
 Ribes americanum
 20 ✓ R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus allegheniensis 46
 R. occidentalis
 R. strigosus
 Sambucus canadensis
 Sanguinaria canadensis
 Sanicula gregaria 19
 S. marilandica
 Smilacina racemosa 2 12 19
 S. stellata
 ✓ Smilax ecirrhata 20
 S. herbacea
 S. tamnoides
 Solidago altissima
 S. flexicaulis 16, 18, 20
 S. ulmifolia
 Thalictrum dioicum
 Tovar virginiana
 Trillium cernuum
 T. flexipes
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora 7 13
 Veronicastrum virginicum
 Viburnum acerifolium
 ✓ V. rafinesquianum 16
 Viola cucullata 34 6
 V. pubescens
 Vitis aestivalis 11 14 16 19
 V. riparia 11 14 16 19
 Xanthoxylum americ. 20
 Zizia aurea

Additional species:

• Poa compressa 12 4
 ✓ Anemone 7
 P. serot 3 5 11 12 14 16
 • P. virgin 3
 • Viburnum lentago 3
 Caryacord 4 5 9 10 12 13 14

✓ Monarda
 Acer rubra 5
 Crataegus 7
 ✓ Rubus laciniata
 Chlorophytum
 ✓ V. acerifolium

Actaea pachypoda
 Adiantum pedatum 15
 Agrimonia gryposepala
 Amelanchier spp. 5
 Amphicarpa bracteata 5
 Anemonella thalictroides 5
 Apocynum androsaemifolium
 Aralia nudicaulis 25
 A. racemosa
 Arenaria lateriflora
 Arisaema atrorubens 15
 Aster macrophyllus
 A. sagittifolius 5
 A. shortii
 Athyrium filix-femina
 Botrychium virginianum 25
 Brachyelytrum erectum
 Carex albursina
 C. convoluta 10
 C. pensylvanica 40
 Caulophyllum thalictroides
 Celastrus scandens 25
 Circaea quadrisulcata 10
 Cornus alternifolia 10
 C. femina 15
 C. rugosa
 Corylus americana 10
 Cryptotaenia canadensis
 Desmodium glutinosum 25
 D. nudiflorum
 Dioscorea villosa
 Eupatorium purpureum
 E. rugosum
 Festuca obtusa
 Fragaria virginiana 15

Additional species:

- Allium tricoccum
 - Cypripedium cal. 5
 - Dryopteris austriaca 10

- Acer sacc 5
 - Carya cord. 35
 - Crataegus 5
 - Fraxinus amer. 25 } 30
 - F. nigra 5
 - Ostrya 20
 - Palba 5
 - Prunella 10
 - Ulmus 30

Galium aparine
 G. circaeazans 5
 G. concinnum 25
 G. lanceolatum
 G. triflorum
 Geranium maculatum 55
 Geum canadense 10
 Hackelia virginiana
 Helianthus strumosus
 Hepatica acutiloba 15
 Hydrophyllum virginianum
 Hystrix patula
 Impatiens biflora
 Lactuca biennis
 Laportea canadensis
 Lathyrus ochroleucus
 Lonicera prolifera 5
 Lysimachia quadrifolia 10
 Monarda fistulosa
 Osmorhiza claytoni 35
 O. longistylis 5
 Oxalis violacea
 Panicum latifolium 5
 Parietaria pensylvanica
 Parthenocissus vitacea 55
 Phlox divaricata
 Phryma leptostachya 20
 Podophyllum peltatum
 Polemonium reptans
 Polygonatum canaliculatum
 P. pubescens
 Polygonum virginianum
 Potentilla simplex
 Prenanthes alba
 Prunus virginiana 5

- Menispermum can. 5
 - Poa comp. 15
 - Monotropa unif.

Pteridium aquilinum
 Pyrola elliptica 20
 Ranunculus abortivus 5
 R. recurvatus
 R. septentrionalis 5
 Rhus radicans 20
 R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus allegheniensis 10
 R. occidentalis
 R. strigosus
 Sambucus canadensis
 Sanguinaria canadensis
 Sanicula gregaria 5
 S. marilandica
 Smilacina racemosa 15
 S. stellata
 Smilax ecirrhata 5
 S. herbacea
 Solidago canadensis
 S. flexicaulis 15
 S. ulmifolia
 Thalictrum dioicum
 Triosteum perfoliatum
 Uvularia grandiflora 10
 Veronicastrium virginicum
 Viburnum acerifolium
 W. lentago 5
 W. rafinesquianum 5
 Viola cucullata 15
 V. pubescens
 Vitris aestivalis
 W. riparia 20
 Zanthoxylum americanum 5

- Rudbeckia laciniata

1546

CI = 1811

Sap - 2416 + 2

H - 346 S

750

550

350

250

150

100

50

25

1

4

7

10

13

16

19

22

25

