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Site 1569: Green County, Township 2N, Range 9E, Section 33, NE 1/4.

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① Stump in 10' rad.

Data Form No. 24

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1369

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum	90 33									
Betula papy.										
Carpinus car										
Carya cord	2			20 18	36 3	33	13 17	19 3	2	1
C. ovata										
Celtis occ		13								
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.			43							
J. nigra										
Ostrya virg										
Populus gran			106					101		
P. tremul										
Prunus serot	12	103								42
Quercus alba	39			1	77	1	24 19			
Q. ellipsoid										
Q. macrocarpa										
Q. rubra							1			
Q. velutina										
Tilia amer	12 46	17 40	18 18	3 13+1	2 23	1 38	15 3	32 94	3 14	23 74 23 45
Ulmus amer										
Ulmus fulva		79			25		15	26	55 23	48
	6 13 7 18	6 15 8 14	2 12 14 15	13 17 19 27	10 16 10 15	23 26 23 21	9 15 13 17	9 17 14 9	3 7 3 31	6 12 13 13
Distance	10 18 12 10	8 18 6 29	7 8 8 11	10 16 8 18	8 15 12 24	8 12 10 8	12 11 14 23	10 14 9 19	10 6 17 13	14 13 12 18

100

95

65

50

10

Q all stump 63 13" diam. didn't split.

Cut most of big stuff in this woods

Red oak 80 (no splits)

History - my idea - This was oak wood, selec. cut over yrs.

Succession kept advancing. Event. gave it 1 more
cut & took all big stuff (probably > 100) for firewood.
Incl. white & red oak, elm, basswood. Nothing can
do to stop it becoming basswood - maple now.

~~A 34" Split down~~
$$\begin{array}{r} A 0 \\ 4 \\ \hline 4 \\ 3 \end{array}$$

~~Over 21 BA 2" core - 23 yrs~~

~~4" core 23 yrs. (BX-75)~~
~~thick~~

~~Split down 28~~

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1569

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum	85		L		24					
Betula papy.										
Carpinus car								19		37
Carya cord	22	2 16	3 109 22	28	L 13	4 17	2 12	L 17 12	(56 26)	2 15 15
C. ovata										
Celtis occ										
Crataegus sp.				L						
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.									85	
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba	24		70	L					100	
Q. ellipsoid										
Q. macrocarpa										
Q. rubra	(1) 42 65	(1)		(55 55 24)	55 160			(1)		
Q. velutina				(38 45 43 43 42 40 + 3)			(21 15 18)			
Tilia amer	13	2 62	L			38	2 15	3 18	3	2 3
Ulmus amer										
Ulmus fulva		15	15	38	L	14 29	43		24	
	9 12 14 16	7 7 7 14	5 8 18 14	5 14 6 14	13 5 11 17	6 10 6 9	7 10 10 15	5 6 16 3	5 7 7 11	2 9 10 13
Distance	7 13 18 28	11 26 6 13	2 24 9 17	7 12 13 25	10 13 8 14	7 12 10 14	8 11 9 7	7 21 8 9	8 8 15 11	15 8 8 20
	100		75		85		80		80	

A₀ $\frac{1}{4}$

A₁ 2 - 2 $\frac{1}{2}$ - 3 - 3 $\frac{1}{2}$

2 $\frac{1}{2}$ " silt loam

Lee's
woods

House
Mr. Lee

sheep
grazing

N
⊕

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1569

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>	34				45			55		
<i>A. saccharum</i>	48	3 14	70 16	4	12 22	45	18	56	3	21
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>		25	100 25	20 26 13	2		19 25			1
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>						29				
<i>J. nigra</i>										
<i>Ostrya virg</i>										
<i>Populus gran</i>	62	100				49	14		95 48	90
<i>P. tremul</i>										
<i>Prunus serot</i>										
<i>Quercus alba</i>				14	120		1		25	
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>						1		100	139	1
<i>Q. velutina</i>						50 40 37				
<i>Tilia amer</i>	1	2		1	1	1	1	1	1	20 2
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>	42	48	31					21 53		45
	12 11 10 17	6 11 7 18	11 13 12 19	2 23 13 23	12 9 7 18	12 16 7 25	6 13 17 11	17 17 17 10	6 19 2 12	3 11 4 14
Distance	17 15 5 20	18 13 12 25	10 18 25 15	12 15 22 17	7 14 15 15	15 8 16 21	7 11 8 13	13 11 8 25	15 16 12 21	8 5 7 19

75

90

90

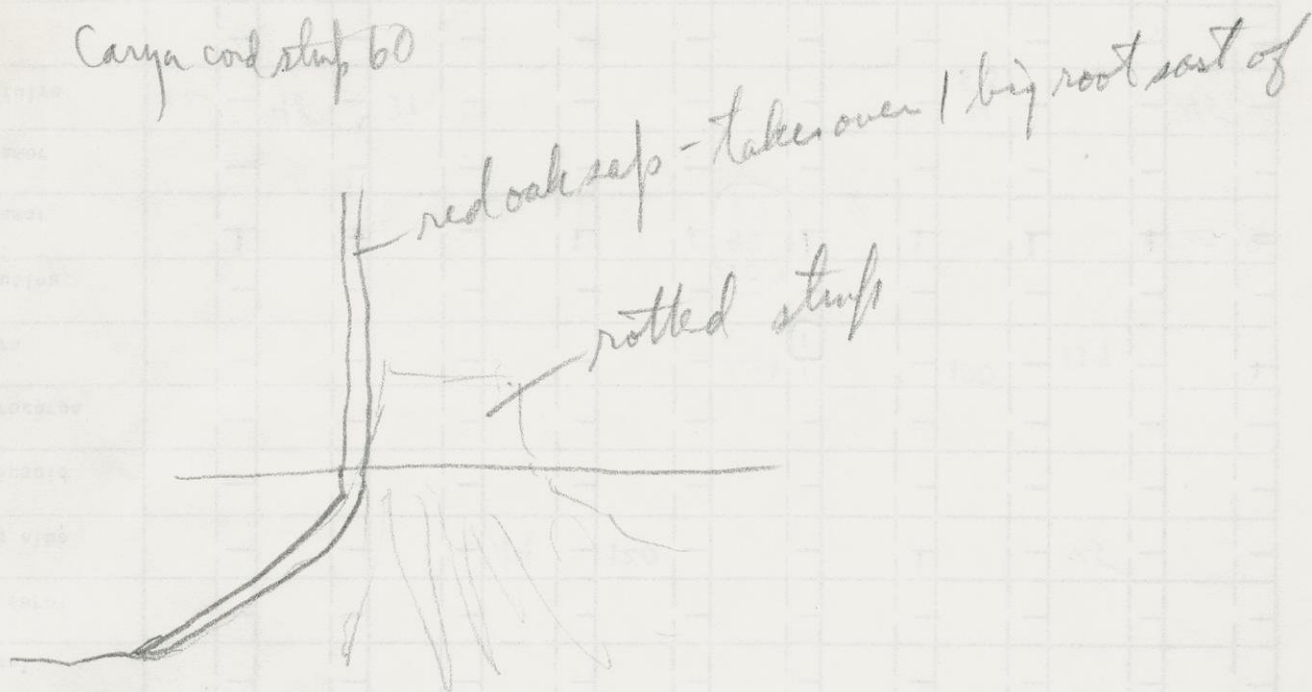
95

90

90

Red oak 89 No split
" " 86 " "

Carya cord stump 60



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1569

STATION NO.	1	2	3	4	5	6	7	8	9	40
Acer rubrum	15	13								26
A. saccharum	21 14	3 20 27	2 16 13	4 30 15	4 21 4		3 33 63	3	17 3	15 20
Betula papy.										
Carpinus car										
Carya cord		2				42	1	1		
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am				10						
F. nigra				12						
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran							40	32	76	
P. tremul										
Prunus serot							26			
Quercus alba			136	45	15 56	19 22	40			96
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina								22		
Tilia amer	1		55				1	14 24	3 19	36 1
Ulmus amer										
Ulmus fulva						25				
	14 9 12 11	18 15 5 14	8 11 8 10	8 9 1 8	9 16 9 16	16 13 13 17	11 14 9 8	10 10 10 15	1 4 2 27	7 9 9 27
Distance	21 15 8 15	12 9 19 21	10 15 10 12	3 22 8 29	16 25 16 19	10 13 9 17	8 14 7 15	5 5 10 14	7 8 8 11	3 18 8 8

60

95

95

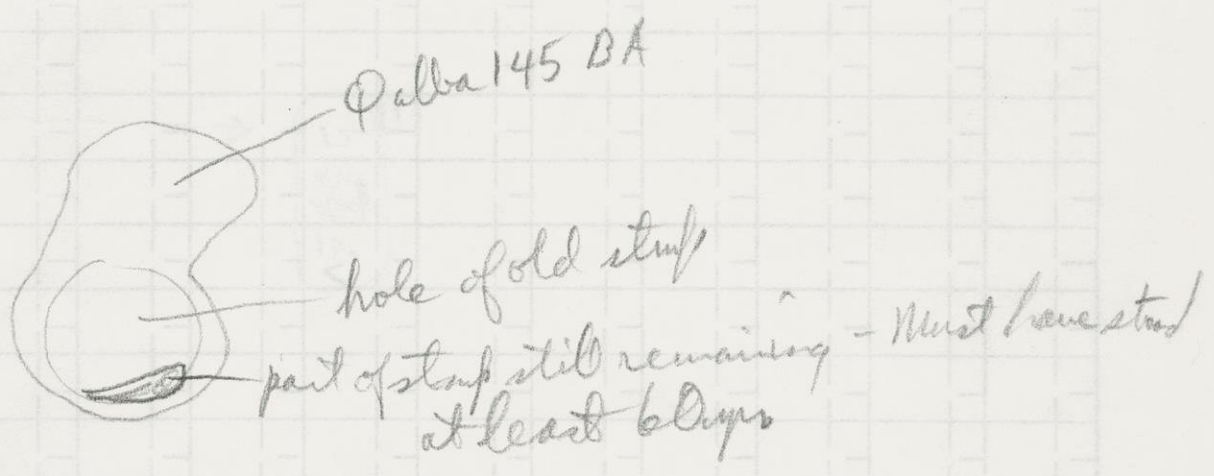
90

95

Q sub 95 2 sprouts 5' high 1 dead 1 dying
 98 no sprout
 79 2 sprout 6' high, but in opening
 96 no sprout

Cany cord snap 39

Quite a bit of trimming has been done
 of canya cord, elm etc.



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1569

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum									A-1 Sd	
3-5 5.5 4 14.2 A. saccharum 142						C-1 Sd			A-1 Sd	
Betula papy.										
Carpinus car										
2-2 3.6 1.6 7.8 Carya cord 67.1						A-2 Sd			A-4 T15"	
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
2-3 3.6 2.4 9 Juglans cin 68.4					A-4				B-5 T12"	
J. nigra										
Ostrya virg										
2-4 3.6 3.2 10.2 Populus gran 43.9	B-4								B-4	
P. tremul										
Prunus serot										
13-33 23.7 26.4 75.1 Quercus alba 270.4	B-2	C-3 C-5 2 dead sp	B-4 C-3	A-2	B-2	C-2	C-3	C-3 C-1		
Q. ellipsoid								(B-1 Sd)		
Q. macrocarpa										
25-63 45.5 50.4 143.8 Q. rubra 805.3	C-3	B-4 B-5 T35"	B-4 C-5	B-4 B-2 C-4	B-4	C-4 B-4	B-4 C-4	C-4 C-4	C-4 C-4	C-2 C-2
Q. velutina										
5-11 9.1 8.8 26.8 Tilia amer 195.6	B-4	B-5		A-5 2Sp	B-5 T254 48"			C-5 T70" 6 3 T. 2 Sp		
Ulmus amer										
3-4 5.5 3.2 13.1 Ulmus fulva 107.4	A-4	A-4							B-3	
Distance	60 26 30 27	28 30 30 28	15 42 30 60	38 35 14 23	31 33 27 21	30 42 30 40	18 31 27 26	16 21 16 18	34 38 40 48	18 21 8 23

CI = 1700.1

ave
29.3'
51/ac.

Q. alba fence posts drying.

Made from Q. a. of 100" B.A.

split into 4 or 5 sections



A

Av BA 1569

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	F. % : Seed	F. % : Seed	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. : I. I.	C. I. : C. I.	Tr. : Tr.	St. : St.
Acerrubrum			(137)													
A. saccharum	19	34	1159	20	52	23.3	32.7	84.0	84.0	16.4	21.2	16.8	54.4	54.4	34.1	31.3
Carya cord.	20	31	(132) 883	24	41	27.9	25.8	80.5	692.3	17.2	19.4	12.8	49.4	424.8	28.5	27.6
C. ovata																
Celtis occiden.				1	1	1.2	.6	2.7	2.7							
Fagus grand.																
Fraxinus amer.																
F. lanceolata																
F. pennsylvani																
Juglans cinere	4	4	169							3.4	2.5	2.5	8.4	63.8	42.2	
J. nigra																
Ostrya virgin.																
Populus grand.	11	12	807							9.5	7.5	11.7	28.7	123.4	67.2	
P. tremuloides																
Prunus serotin	3	3	171	1	1	1.2	.6	2.7	9.7	2.6	1.9	2.5	7.0	25.2	5.7	
Quercus alba	14	18	941	3	3	3.5	1.9	8.1	29.2	12.1	11.2	13.7	37.0	133.2	52.3	
Q. ellipsoidalis																
Q. macrocarpa			(10)													
Q. rubra	6	7	727	4	4	4.7	2.5	10.8	60.5	5.2	4.4	10.6	20.2	113.1	103.9	72.7
Q. velutina			(21)													
Tilia american	21	30	1311	31	55	36.0	34.6	105.9	773.1	18.1	18.7	19.0	55.8	407.3	43.7	32
Ulmus american				1	1	1.2	.6	2.7	12.4							
U. rubra	18	21	714	1	1	1.2	.6	2.7	22.1	15.5	13.1	10.4	39.0	319.8	34	
			(178)													
	116	160	6882	86	159	100.2	99.9	300.1	2442	100.	99.9	100.	299.9	2154.6		

1.11 stems/tree

+ 287.4

Canopy 80.7 %

8.1%

1569

CI = 2155

	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	
Crataegus																		
Pop. trem.	2	1																
Quercus ellip.																		
Q. macrocarp.																		
Q. velut.																		
Prun. serot.	2	1	1		1				1									5 3
Querc. alba	6	3	4	4	3	1	2		2	1	1							29 18
Pop. grand.			1		3	1	1	2	3									19 12
Carya ovata																		
Querc. rubra	8	4			1	2	2	10	1		1	1						11 7 3 5
Juglans nig.																		
Frax. amer.																		
Acer rubrum																		
Tilia amer.	112	55	11	60	50	40	2	10	10									48 30 11 16
Jug. cinerea					1	1			1									6 4
Ulmus amer.	2	1																
Celtis occ.																		
Ulm. rubra	2	1	4	6	3	5	2		1									34 21
Carya cord.	84	41	15	9	3	1	10		2									50 31 1 2
Ostrya virg.																		
Acer sacc.	106	52	12	9	4	3	20	20	2									56 34 3 5

159

Sap CI = 2442

160 18
28

#/acre

324

162.6

62.8

27.4

4.8

258

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 410
Prenanthes alba 23810
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis 45
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 810
S. marilandica
Smilacina racemosa 3570
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana 810
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum 89
Uvularia grandiflora
Veronicastrum virginicum 4
Viburnum acerifolium
V. rafinesquianum 6
Viola cucullata 34568910
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americanum 36
Zizia aurea

Actaea pachypoda 6
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 23489
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora 8
Arisaema atrorubens 12578910
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina 169
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina 2569
C. pensylvanica 134568910
Caulophyllum thalictroides
Celastrus scandens 237
Circaea quadrisulcata 1234568910
Claytonia virginiana
Cornus alternifolia
C. femina 248
C. rugosa
Corylus americana 278
Cryptotaenia canadensis 45
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 7
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa 167
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum
Eupatorium rugosum
Festuca obtusa 18
Fragaria virginiana 45
Galium aparine
G. circaeazans
G. concinnum 3578
G. lanceolatum
G. triflorum
Geranium maculatum 13456789
Gerardia grandiflora
Geum canadense 3
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba 6910
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 5
Laportea canadensis
Lathyrus ochroleucus 8
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 1234567
Phlox divaricata
Phryma leptostachya 2910
Podophyllum peltatum
Polemonium reptans

Additional species:

Tilia 67
Acer sacce 17
Ulmus 167
Prunus serot 136
Caryacord 2346910
Quercus rub 34
Pop gran 4
Arisaema dracontium
Cirsium 79

Viola ariocarpa 1810
Dioscorea 2910
Lobelia inflata 4, 5
Oxalis 579

SOUTHERN UPLAND HARDWOODS

Total

Presence 1/100

1569

- ✓ Actaea pachypoda 5
- ✓ Adiantum pedatum 5
- ✓ Agrimonia gryposepala 5
- ✓ Amelanchier spp.
- ✓ Amphicarpa bracteata 60
- ✓ Anemonella thalictroides
- ✓ Apocynum androsaemifolium
- ✓ Aralia nudicaulis
- ✓ A. racemosa
- ✓ Arenaria lateriflora 5
- ✓ Arisaema atrorubens 50
- ✓ Aster macrophyllus
- ✓ A. sagittifolius 5
- ✓ A. shortii
- ✓ Athyrium filix-femina 30
- ✓ Botrychium virginianum 5
- ✓ Brachyelytrum erectum
- ✓ Carex albursina 25
- ✓ C. convoluta 30
- ✓ C. pensylvanica 55
- ✓ Caulophyllum thalictroides
- ✓ Celastrus scandens 15
- ✓ Circaea quadrisulcata 85
- ✓ Cornus alternifolia
- ✓ C. femina 20
- ✓ C. rugosa
- ✓ Corylus americana 15
- ✓ Cryptotaenia canadensis 10
- ✓ Desmodium glutinosum 10
- ✓ D. nudiflorum 5
- ✓ Dioscorea villosa 20
- ✓ Eupatorium purpureum
- ✓ E. rugosum
- ✓ Festuca obtusa 10
- ✓ Fragaria virginiana 10

- Galium aparine
- G. circaeazans
- ✓ G. concinnum 35
- G. lanceolatum
- G. triflorum
- ✓ Geranium maculatum 85
- ✓ Geum canadense 15
- ✓ Hackelia virginiana
- ✓ Helianthus strumosus
- ✓ Hepatica acutiloba 35
- ✓ Hydrophyllum virginianum
- ✓ Hystrix patula
- ✓ Impatiens biflora
- ✓ Lactuca biennis 5
- ✓ Laportea canadensis
- ✓ Lathyrus ochroleucus 5
- ✓ Lonicera prolifera 10
- ✓ Lysimachia quadrifolia
- ✓ Monarda fistulosa
- ✓ Osmorhiza claytoni 5
- ✓ O. longistylis
- ✓ Oxalis violacea 15
- ✓ Panicum latifolium
- ✓ Parietaria pensylvanica
- ✓ Parthenocissus vitacea 95
- ✓ Phlox divaricata
- ✓ Phryma leptostachya 50
- ✓ Podophyllum peltatum
- ✓ Polemonium reptans
- ✓ Polygonatum canaliculatum
- ✓ P. pubescens
- ✓ Polygonum virginianum
- ✓ Potentilla simplex 20
- ✓ Prenanthes alba 25
- ✓ Prunus virginiana

- Pteridium aquilinum
- ✓ Pyrola elliptica
- ✓ Ramunculus abortivus
- ✓ R. recurvatus
- ✓ R. septentrionalis 30
- ✓ Rhus radicans 5
- ✓ R. cynosbati
- ✓ R. missouriense
- ✓ Rosa sp.
- ✓ Rubus allegheniensis
- ✓ R. occidentalis
- ✓ R. strigosus
- ✓ Sambucus canadensis
- ✓ Sanguinaria canadensis 10
- ✓ Sanicula gregaria 15
- ✓ S. marilandica
- ✓ Smilacina racemosa 35
- ✓ S. stellata
- ✓ Smilax ecirrhata 5
- ✓ S. herbacea
- ✓ Solidago canadensis 5
- ✓ S. flexicaulis
- ✓ S. ulmifolia
- ✓ Thalictrum dioicum
- ✓ Triosteum perfoliatum 10
- ✓ Uvularia grandiflora
- ✓ Veronicastrum virginicum 10
- ✓ Viburnum acerifolium
- ✓ V. lentago
- ✓ V. rafinesquianum 5
- ✓ Viola cucullata 65
- ✓ V. pubescens
- ✓ Vitris aestivalis 20
- ✓ V. riparia
- ✓ Zanthoxylum americanum 10

Additional species:

- Ambrosia trifida
- Erigeron philadelphicus
- Allium tricoccum
- Berberis thunbergii
- Cirsium alt. 15
- Arisaema dracontium

- Menispermum
- Osmunda cinnamomea
- Hamamelis virginica
- Lobelia inflata 10

- Viola eriocarpa 25
- Smilax hispida
- Staphylea trifolia

- Acer sacce 30
- Carya cord 30
- Crataegus
- Pop grand. 10
- Prun serot. 30

- Q rub 10
- Tilia 15
- Ulmus 25

13
69
77

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1569
Quadrat No.

Page 2

Actaea pachypoda
Adiantum pedatum 4
Agrimonia gryposepala 1
Allium tricoccum
Amphicarpa braceata 123468
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 147
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina 3710
Botrychium virginianum 2
Brachyelytrum erectum
Campanula americana
Carex albursina 1236789
C. pensylvanica 2510
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 12345678
Claytonia virginiana
Cornus alternifolia
C. femina 4
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 3
D. nudiflorum 5
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa 3710
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum 346
G. lanceolatum
G. triflorum
Geranium maculatum 12345679
Gerardia grandiflora
Geum canadense 34
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba 3459
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
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton 5
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 1234567
Phlox divaricata
Phryma leptostachya 1234569
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 46
Prenanthes alba 3
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis 2367
Rhus radicans 4
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis 8
Sanicula gregaria
S. marilandica
Smilacina racemosa 12810
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima 6
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 1234910
V. pubescens
Vitis aestivalis 38910
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

• Prun. serot 169
• Acer 4567
• Ulmus 46

Tilia 9
• Pop grand 9
• Crataegus

• Viola eriocarp 12
• Cirsium 7
• Dioscorea 10

1569

CI = 2155

S_p = 2442 + 1

H = 324 - 1

