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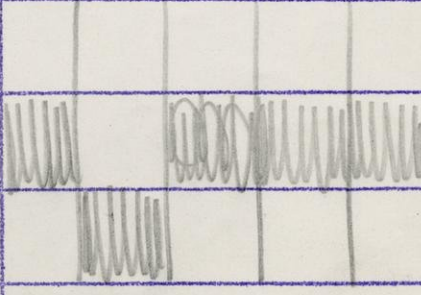
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1571 STAND #

fel

STAND # 1571

	<u>STAND CHARACTERS</u>	<u>Soils</u>	
2353	TREE CI	W.R.C.	81.1
2759	SAP CI	pH	6.5
+406	CI DIFFERENCE	lbs/acre CA Mg P K NO ₃ NH ₃	60 210 3 35
207 469	3 SAPS / ACRE		
262	4 TREES / ACRE	Soil profile	A ₀ ½ A ₁ 2½ silt loam
66	3 AVE. B.A. STEM		3 sides
70	AVE BA TREE	SLOPE	0° (rolling) 100' 100' across
18247	DOM. / ACRE	Stump CI	1713
485	stems + sps	<u>CUTTING</u> Stumps / ACRE ²	38
278	stems / ACRE	Spp. cut	QPR 41 QPA 29
1.06	2 STEMS / TREE		
3	% mult	Ave. size cut	B, 5
91.4	CANOPY %	Ave. TIME SINCE CUT	3.0
			

Stumps

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1571

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum						B-4				
7.3 5.8 19.6 196 A. saccharum 3-6			B-5			B-4 B-4 Sp				
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
6.5 23.4 Prunus serot 1-2		B-5								
2.4 1.9 29.3 29.8 88.6 319 Quercus alba 12-31	B-3	C-3	C-3 B-3	C-4 A-4	C-4 C-4		C-4	C-4	B-4	C-4
Q. ellipsoid										
Q. macrocarpa	C-4							C-4		
41.5 43.2 127 711.2 Q. rubra 17-45	C-4 C-3	B-5 C-5	C-4 B-4	C-3 B-5	C-4	C-4	B-4	B-5 C-5	C-4	B-4
Q. velutina										
4.9 4.8 19.6 106.6 Tilia amer 2-5									B-5 T25"	C-5 Sp T48"
Ulmus amer										
14.6 14.4 43.5 356.7 Ulmus fulva 6-15					C-4 T15"	B-4	C-3 B-4		B-5 C-4	
Distance	32 36 54 36	14 100 29 29	48 23 38 100	26 27 12 41	15 22 29 39	27 32 29 50	15 17 11 80	8 29 35 36	22 37 12 45	22 18 40 39

CI = 1712.9

ave.

33.8'

38/Ac.

11 = stops in
10' radius

Data Form No. 24

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1571

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
✓ A. saccharum	77 119	2 16 26 69	3 24 54	4 71	3	4 25	1 15	4 22	4 15 35 42	3 28 2
Betula papy.										
Carpinus car										
Carya cord										
✓ C. ovata					85		215			
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
✓ Ostrya virg	1		13 13 30	26 1 24 32	35	49 2	22	19 30	20	1 16 22
Populus gran										
P. tremul										
✓ Prunus serot										
✓ Quercus alba					105		98			
Q. ellipsoid										
Q. macrocarpa										
✓ Q. rubra					209		11	190	11	1
Q. velutina										
✓ Tilia amer	17	1			def. cut stop → 13					130
Ulmus amer										
✓ Ulmus fulva	1	20					1			
Saps	5 18 10 40	11 17 13 10	8 12 14 29	5 5 8 24	8 8 8 12	4 12 8 19	5 6 19 10	11 12 3 6	5 14 8 18	14 6 21 21
Distance	14 19 11 15	5 13 7 19	11 12 5 29	19 7 22 14	8 12 17 11	11 16 16 18	4 12 12 13	5 18 13 10	6 9 11 19	3 12 12 23
	100	100	95	95	95	95	95	95	90	100

POINT RECORD TREES

SOUTHERN HARDWOODS

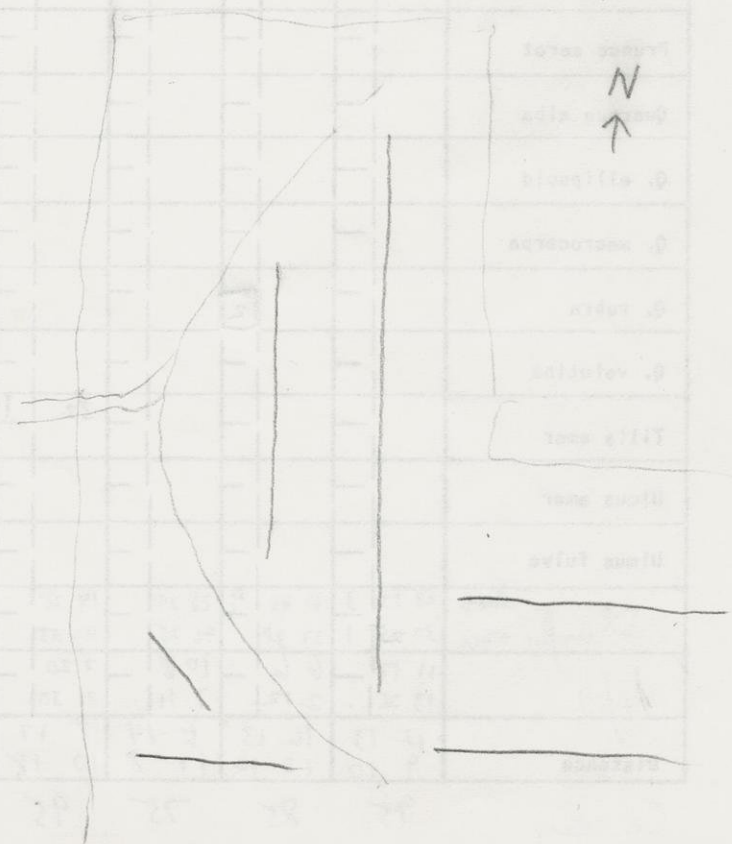
Stand No. 1571

STATION NO.	1	2	3	4	5	6	7	8	9	20
Acer rubrum										
A. saccharum	24 42	4 50 60	4 35 96 21	4 73 27	3	4 17 19	3 43 35	4 17 35	4 42 3	42 36
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg	38 19	35 29	83	102	35 56 29	26 20	1 35 61	21	59 19	49 24
Populus gran										
P. tremul										
Prunus serot										
Quercus alba							1	122		
Q. ellipsoid										
Q. macrocarpa										
Q. rubra		2					1		143	
Q. velutina										
Tilia amer				32	1	155				1
Ulmus amer										
Ulmus fulva										
Stump Red O	23 33	3	10 40	4	28 29	14 28	100 70	32 40	5 7	32 39
Stump other	30 25	1	27 38	46 25	100 55	15 42	55 100	35 20	42 55	100 60
Saps	11 17	6 6	10 8	7 20	3 10	14 10	3 6	8 11	6 17	8 9
	13 26	2 12	7 11	21 30	12 15	14 24	7 16	8 9	13 26	12 25
Distance	12 13 9 10	16 13 10 10	5 14 17 8	8 17 10 18	10 17 12 14	3 7 8 10	21 14 8 16	6 11 7 12	3 16 20 21	7 18 9 19
Canopy	95	85	75	95	100	95	95	100	95	90

A₀ 1/2" 1/2"
 A₁ 3" 2" silt loam

Selec. cut over the yrs.
 Cut most of the oaks (mally red out).
 No oak spots.

Owner Lyon, lives in Arlington.
 Milky owned it til yr. ago.
 (" lives 1st house S. of bridge wds)



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1571

STATION NO.	1	2	3	4	5	6	7	8	9	30
Acer rubrum										
A. saccharum	76	2 68 25	2 94	2 46 60 142	4 42 12	3 88			24	1
Betula papy.										
Carpinus car										
Carya cord										
C. ovata						215		239 95		
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg	58 71	1 77 82	102		21	1 12	3 21 19 31 27	4 20 44	4 26 29	2 19 20 16
Populus gran										
P. tremul										
Prunus serot									40	
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										90
Q. rubra						1				
Q. velutina										
Tilia amer		31	1 42 (44 51)	1 172						1
Ulmus amer										
Ulmus fulva	1	1	1		73	35	1			
					sample	1				
	9 22 12 30	22 29 23 40	14 10 34 37	29 36 24 30	6 10 20 40	2 24 21 15	12 31 11 19	5 14 6 14	3 18 28 26	10 19 8 21
Distance	20 18 18 15	6 12 6 17	12 15 12 15	6 7 10 19	22 23 10 11	5 14 10 25	7 9 8 16	6 10 15 21	18 13 7 15	10 7 7 8
	100	90	60	90	75	100	85	90	85	100

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1571

STATION NO.	1	2	3	4	5	6	7	8	9	40								
Acer rubrum			35					130										
A. saccharum	65		35	1	1	2	430	4	37	2	235	2	36	46	3			
Betula papy.											235		30	16				
Carpinus car																		
Carya cord																		
C. ovata	195 158		59	99 205	170			119	75	90								
Celtis occ																		
Crataegus sp.																		
Fagus grand																		
Fraxinus am																		
F. nigra																		
Juglans cin.																		
J. nigra																		
Ostrya virg	17	4	15	4	3	62	2	19	32	3	52	31	2	35	2	4	24	1
Populus gran																		
P. tremul																		
Prunus serot			16		1													
Quercus alba		260															97	
Q. ellipsoid																		
Q. macrocarpa																		
Q. rubra								290										
Q. velutina																		
Tilia amer		260 244 95						45	176			21 22 16 14						
Ulmus amer				120 230 15 15														
Ulmus fulva																		
	2 10 18 12	11 14 12 15	22 3 8 21	7 18 19 25	12 17 13 20	19 22 21 24	18 21 25 11	13 20 29 30	1 11 9 21	8 14 19 19								
Distance	15 12 9 17	7 13 16 27	19 12 8 5	8 8 12 23	3 10 7 12	6 30 22 18	14 8 22 14	13 19 16 18	22 8 15 20	12 12 11 19								

90

100

85

95

70

90

95

75

100

95

20.6%

1571

CI = 2353

	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.								1										2	1
Q. velut.																			
Prun. serot.	1	1	1		1													3	2
Querc. alba									3	1					1			8	5
Pop. grand.																			
Carya ovata						1	1	3	1	1		2	1	4				23	14
Querc. rubra	1	1									1		1	1	1			7	4
Juglans nig.																			
Frax. amer.																			
Acer rubrum																			
Tilia amer.	8	6	2	2③	2	2	10			1		3	1	10				25	15⑤ 9
Jug. cinerea																			
Ulmus amer.														1③				2	1③ 5
Celtis occ.																			
Ulm. rubra	8	6		1	1		1											5	3
Carya cord.																			
Ostrya virg.	66	51	13	18	15	3	6	2	2	2								99	61
Acer sacc.	123	95	8	10	9	9	3	7	2	1	2	1		10			1	88	54② 2
		160																	160②
																			16

Sap CI = 2759

#/acre 207 | 134.4 | 60.7 | 32.8 | 16.4 | 14.8 | 1.6 | 1.6 | 262

CI																		AVBA 1571			
Tree	:No. :No. :		:No.Pts.:No. :		:F.% :D.% :		:F.% :D.% :		:Dom.% :		: : : : : :		: : : : : :		: : : : : :		: : : : : :				
	Pts.	Tr.	Dom.	Sap.	Sap.	Sap.	Sap.	Seed	Seed	Tr.	Tr.	Trees	I.I.	C.I.	Tr.	St.					
Acerrubrum			(51)																		
A. saccharum	32	54	3314	34	95	47.9	59.4	160.9	1609.0	30.2	33.7	29.7	93.6	936.0	61.4	60.3					
Carya cord.																	Ave. Dist.				
C. ovata	11	14	2019							10.4	8.7	18.1	37.2	167.4	144.2	144.2	Btw'n Trees ^{SAP}				
Celtis occiden.																	12.9 14.5				
Fagus grand.																					
Fraxinus amer.																	Ave. BA				
F. lanceolata																	(Total				
F. pennsylvani																	PA ÷ 80) ^{STCM}				
Juglans cinere																	69.7 66				
J. nigra																	No. Trees				
Ostrya virgin.	35	61	2114	23	51	32.4	31.9	96.4	838.7	33.0	31.1	18.9	90.0	783.0	34.7	34.7	Per acre ^{SAP}				
Populus grand.																	261.8 207.2				
P. tremuloides																	Dom. per				
Prunus serotin	2	2	56	1	1	1.4	.6	3.1	11.2	1.9	1.2	.5	3.7	13.3	28	28	acre				
Quercus alba	5	5	682							4.7	3.1	6.1	13.9	50.0	136.4	136.4	18,247.5				
Q. ellipsoidalis																					
Q. macrocarpa	1	1	90							.9	.6	.8	2.4	2.4	90	90					
Q. rubra	4	4	832	1	1	1.4	.6	3.0	16.8	3.8	2.5	7.5	13.8	77.3	208	208					
Q. velutina			(20)																		
Tilia american	12	15	1543	6	6	8.5	3.7	18.3	133.6	11.3	9.4	13.8	34.5	251.8	102.9	77.1					
Ulmus american	1	1	(380)							.9	.6	3.4	5.0	23.0	380	95					
U. rubra	3	3	128	6	6	8.5	3.7	18.3	150.1	2.8	1.9	1.1	5.9	48.4	42.7	42.7					
			(149)																		
	106	160	11158	71	160	100.1	99.9	300	2759.4	99.9	99.8	99.9	300	2352.6							

1.06 stems/tree

+406.8

Canopy 91.4 %

Ave. Dist.

Btw'n Trees ^{SAP}

12.9 14.5

Ave. BA

(Total
BA ÷ 80) ^{STCM}

69.7 66

No. Trees

Per acre ^{SAP}

261.8 207.2

Dom. per
acre

18,247.5

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1571
Quadrat No.

10N10E NW6 (Columb.)

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 3
Anemone quinquefolia
A. virginiana
Anemonella thalictroides 2358
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa 1
Arenaria lateriflora
Arisaema atrorubens 910
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii 2
Athyrum filix-femina
✓ Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina 2689
C. pensylvanica 2
Caulophyllum thalictroides 6,7
Celastrus scandens
✓ Circaea quadrisulcata 47810
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis 58910
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 5810
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 3678910
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum 567
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
✓ Osmorhiza clayton. 35678910
O. longistylis
Osmunda claytoni
✓ Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 237910
Podophyllum peltatum 1,910
✓ Polemonium reptans

Polygonatum canaliculatum 189
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
✓ R. cynosbati 10
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
✓ Sanicula gregaria 2345678910
S. marilandica
✓ Smilacina racemosa 710
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides 3
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes 12345678910
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
✓ Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 10
✓ V. pubescens 23678910
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Ostrya 378
Acer sacc 678

Stand No.
Quadrat No.

Polygonatum canaliculatum 14 15 20
 Polygonatum pubescens
 Potentilla simplex
 Prenanthes alba
 Pteridium aquilinum
 Pyrola elliptica
 Ranunculus abortivus
 R. recurvatus
 R. septentrionalis
 Rhus radicans
 Ribes americanum
 R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus allegheniensis
 R. occidentalis
 R. strigosus
 Sambucus canadensis
 Sanguinaria canadensis 17 18 19 20
 Sanicula gregaria 11 12 13 14 15 16
 S. marilandica
 Smilacina racemosa 12 15 16
 S. stellata
 ✓ Smilax ecirrhata 17
 ✓ S. herbacea
 ✓ S. tamnoides
 Solidago altissima
 S. flexicaulis 18, 19
 S. ulmifolia
 Thalictrum dioicum
 Tovar virginiana
 Trillium cernuum
 T. flexipes 11 12 15 16 17
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrum virginicum
 Viburnum acerifolium
 ✓ V. rafinesquianum
 Viola cucullata 19
 V. pubescens 14 16 17 19
 Vitis aestivalis
 ✓ V. riparia
 Xanthoxylum americ.
 Zizia aurea

Additional species:

Beer sac 11 12 15 20

Ostrya 15 20

Carya ovata 18

Q. rubra 18

SOUTHERN UPLAND HARDWOODS

Total
presence
+ freq

1571

✓ *Actaea pachypoda*
✓ *Adiantum pedatum*
✓ *Agrimonia gryposepala*
✓ *Amelanchier* spp.
✓ *Amphicarpa bracteata* 5
✓ *Anemonella thalictroides* 25
✓ *Apocynum androsaemifolium*
✓ *Aralia nudicaulis*
✓ *A. racemosa* 5
✓ *Arenaria lateriflora*
✓ *Arisaema atrorubens* 40
✓ *Aster macrophyllus*
✓ *A. sagittifolius*
✓ *A. shortii* 5
✓ *Athyrium filix-femina* 10
✓ *Botrychium virginianum* 10
✓ *Brachyelytrum erectum* 5
✓ *Carex albursina*
✓ *C. convoluta* 40
✓ *C. pensylvanica* 10
✓ *Caulophyllum thalictroides* 20
✓ *Celastrus scandens*
✓ *Circaea quadrisulcata* 30
✓ *Cornus alternifolia*
✓ *C. femina*
✓ *C. rugosa*
✓ *Corylus americana*
✓ *Cryptotaenia canadensis* 20
✓ *Desmodium glutinosum* 5
✓ *D. nudiflorum*
✓ *Dioscorea villosa*
✓ *Eupatorium purpureum*
✓ *E. rugosum*
✓ *Festuca obtusa*
✓ *Fragaria virginiana*

✓ *Galium aparine* 35
✓ *G. circaezans*
✓ *G. concinnum*
✓ *G. lanceolatum*
✓ *G. triflorum*
✓ *Geranium maculatum* 65
✓ *Geum canadense*
✓ *Hackelia virginiana*
✓ *Helianthus strumosus*
✓ *Hepatica acutiloba*
✓ *Hydrophyllum virginianum* 30
✓ *Hystrix patula*
✓ *Impatiens biflora* 5
✓ *Lactuca biennis*
✓ *Laportea canadensis*
✓ *Lathyrus ochroleucus*
✓ *Lonicera prolifera*
✓ *Lysimachia quadrifolia*
✓ *Monarda fistulosa*
✓ *Osmorhiza claytoni* 65
✓ *O. longistylis*
✓ *Oxalis violacea*
✓ *Panicum latifolium*
✓ *Parietaria pensylvanica* 5
✓ *Parthenocissus vitacea* 15
✓ *Phlox divaricata*
✓ *Phryma leptostachya* 65
✓ *Podephyllum peltatum* 15
✓ *Polemonium reptans* 5
✓ *Polygonatum canaliculatum* 30
✓ *P. pubescens*
✓ *Polygonum virginianum*
✓ *Potentilla simplex*
✓ *Prenanthes alba*
✓ *Prunus virginiana*

✓ *Pteridium aquilinum*
✓ *Pyrola elliptica*
✓ *Ranunculus abortivus*
✓ *R. recurvatus*
✓ *R. septentrionalis*
✓ *Rhus radicans*
✓ *R. cynosbati* 5
✓ *R. missouriense*
✓ *Rosa* sp.
✓ *Rubus allegheniensis*
✓ *R. occidentalis*
✓ *R. strigosus*
✓ *Sambucus canadensis*
✓ *Sanguinaria canadensis*
✓ *Sanicula gregaria* 95
✓ *S. marilandica*
✓ *Smilacina racemosa* 25
✓ *S. stellata*
✓ *Smilax ecirrhata* 5
✓ *S. herbacea*
✓ *Solidago canadensis*
✓ *S. flexicaulis* 10
✓ *S. ulmifolia*
✓ *Thalictrum dioicum*
✓ *Triosteum perfoliatum*
✓ *Uvularia grandiflora*
✓ *Veronicastrum virginicum*
✓ *Viburnum acerifolium*
✓ *V. lentago*
✓ *V. rafinesquianum*
✓ *Viola cucullata* 10
✓ *V. pubescens* 55
✓ *Vitris aestivalis*
✓ *V. riparia*
✓ *Zanthoxylum americanum*

Additional species:

- *Panax quinque*

- *Trollium gleasoni* 75
- *Viola eriocarpa*
- *Smilax hispida* 5
- *Allium tricoccum*

- *Ocerasaca* 35
- *Carya ovata* 5
- *Ostrya* 25
- *Q. rubra* 5

5
48
53

1571

CI = 2353

SAP - 2759 + 1

H - 407 S

