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1536 Stand # Clear Stand # 1536

Stand # 1536

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1536

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	①				23 24+2	1		1		
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul						1 21 1				
Prunus serot						1				
Quercus alba						(21 15)			1	
Q. ellipsoid										
Q. macrocarpa	(17+1) (15 14) ①	3 ①	3	3	3 ①	24+1 15 ①	11 12 16 +2 13 ①	13 ①	2 20+1 ①	2
Q. rubra	15 { 92 63	31 40 35 41 50 33	24 28 29 15	13+1 16+1		38	16 19 40 48	15	15 42 25 18	15 16 24 29 48
Q. velutina		36 39 42 24	62 65 70	37 38	60+ 1	14 15 16 24	66 51 46	2 61	18 27 30	13 33
Tilia amer			40 42 24+2	45						43 15+1
Ulmus amer										
Ulmus fulva										
	6 13 5 24	5 16 7 17	14 16 20 6	8 10 14 18	6 17 22 25	5 10 8 20	11 12 7 20	5 16 15 15	13 6 20 20	2 4 8 19
Distance	3 14 12 17	20 8 8 26	10 13 11 18	8 20 15 16	3 12 11 13	10 12 11 15	8 15 13 16	9 12 8 13	7 7 16 22	9 12 10 18

90 65 55 75 60 60 80 90 60 70

orig from stump (trees + sap) if available.

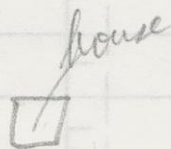
c. 10 acres.

Clear cut in 1932 (25 yrs. ago)

by Mr. _____ (across road) for fuel.

(Got emp to burn for 3 yrs.) Had been
CC c. 25 yrs. B4, so 3rd gittl.

They'd intended to turn sheep in to keep from
spitting, but didn't get them in til too
late, so it sp'd, was grazed some
sew. yrs. ago.



slt 5. slp.

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1536

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata				L	L		L	L	2	(12+1) 3
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul					15	L				
Prunus serot				L		L				(1)
Quercus alba				(14 15) 24						
Q. ellipsoid										
Q. macrocarpa	2 (2)	(23+1)	(1)	2 (2)	L	(12+1)	2	12	2	L
Q. rubra	(25+2) (20 30)	(23 14) (25 16)	(40 44) (2 20 25)	(19 38) (21)	(42 40) (23)	(22) (39)	(20) (20 29)	(12) (45)	(38) (36)	(26) (49 56)
Q. velutina	(30)	(19 24) (34+1)	(14 21) (16)	(18 21)	(17 27) (+1)	(12+1)	(42)	(18+1)	(76 53) (39)	(17) 2
Tilia amer	(46) (18)		(20 31)	(17)	(20) (24)	(67) (45)		(15 12) (+3)	(27 20) (40)	(20)
Ulmus amer										
Ulmus fulva										
	4 7 20 14	2 3 5 7	3 8 5 14	9 4 11 18	13 7 14 14	9 10 12 26	14 18 33 37	7 17 18 26	19 31 18 31	3 12 8 15
Distance	8 11 11 8	13 14 7 18	14 14 10 27	5 14 12 10	6 15 14 24	8 14 8 10	5 17 10 9	7 11 8 15	15 11 15 15	12 14 14 11
	50	60	60	50	60	55	50	70	60	85

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

1536

STATION NO.	1	2	3	4	5	6	7	8	9	30
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	1			18	82	1				
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot			19 12	30 18 27	18	1				
Quercus alba										
Q. ellipsoid		15 15 + 1								
Q. macrocarpa	3	18 18 14 13	1	2	15	2	305			
Q. rubra	33 34 21 39 + 1	37	24 48				37			
Q. velutina	17 40 44 27 12	16 20	2	14 48		1			1	
Tilia amer	29 15		20							
Ulmus amer										
Ulmus fulva										
	16 16 20 10	12 19 20 27	13 17 9 18	12 18 19 22	18 11 15 21					
Distance	9 13 11 24	10 10 13 33	12 6 19 17	9 14 7 7	18 12 13 13					

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acacia robusta										
A. acuminata										
Betula papyr.										
Carpinus cor.										
Carya ovata										
C. ovata										
Castalia obo.										
Crataegus sp.										
Fagus crenata										
Fraxinus sp.										
G. nigra										
Hamamelis sp.										
Ilex sp.										
Liquidambar										
Malus sp.										
Opuntia sp.										
Prunella sp.										
Rubus sp.										
Sorbus sp.										
S. alba										
S. americana										
S. vulgaris										
Tilia sp.										
Ulmus sp.										
Ulmus fulva										
Distance										

A₀ 1-2"

A₁ 1/2 - 1" sand loam - Quite sandy

1536

Av. B.A. 1536

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	II : Seed	F. % : Seed	D. % : Seed	Dom. % : Trees	I. I. : I. I.	C. I. : C. I.	Tree : Tree	Item : Item
Acerrubrum															
A. saccharum															
Carya cord.			⑤												
C. ovata	4	4	159	11	12	19	12	46.5	209.2	8.7	4	2.9	15.6	70.2	39.7 31.8
Celtis occiden.															
Fagus grand.															
Fraxinus amer.															
F. lanceolata															
F. pennsylvani															
Juglans cinere															
J. nigra															
Ostrya virgin.															
Populus grand.															
P. tremuloides	2	2	36	4	4	6.9	4	16.3	16.3	4.3	2	.7	7.0	7.0	18 18
Prunus serotin	3	4	⑥ 124	6	6	10.3	6	24.5	88.2	6.5	4	2.2	12.7	45.7	31 20.7
Quercus alba	2	2	⑦ 94	1	1	1.8	1	4.2	15.1	4.4	2	1.7	8.1	29.2	47 18.8
Q. ellipsoidalis			⑧												
Q. macrocarpa	11	16	634	22	54	37.9	54	137.8	137.8	23.9	16	11.5	51.4	51.4	39.6 28.8
Q. rubra			⑨ 143												
Q. velutina	24	72	4478	14	23	24.1	23	70.6	176.5	52.2	72	81.0	205.2	513	62.2 31.3
Tilia american															
Ulmus american															
U. rubra															
			⑩ 183												
	46	100	5525	58	100	99.9	100	299.9	643.1	100	100	100	300	716.5	

Ave. Dist.
Btw'n Trees
Sap

12.6 13.7

Ave. BA
(Total
BA ÷ 80)
55.2 30.2No. Trees
Per acre
274.4 232.1Dom. per
acre

15,146.9

1.83 stem/tree

-73.4

Canopy 65.25 %

pitougn

	singles	multiple	tree	stem	% mult.	stem/tree	mult.	stem	stem/tree	#	% pit	% mult.
<i>Q. alba</i>		2	2	5	100	2.5	2	5	2.5	2	100	100
<i>Q. mac</i>	12	4	16	22	25	1.37	4	10	2.5	11	68.7	36.4
<i>Q. velut.</i>	31	41	72	143	56.9	1.99	41	112	2.73	59	81.9	69.5
	43	47	90	170	52.2	1.89	43	117	2.72			
No <i>Q. mac.</i>	31	43	74	148	58.1	2.00						

Ave. BA
 (Total)
 BA + 80
 No. Trees
 per acre
 Dom. per
 acre

stem	1	2	3	4	5	Total
<i>Q. alba</i>		1	1			2
<i>Q. mac</i>	12	3		1		16
<i>Q. vel</i>	31	21	10	9	1	72

U. rostr.
Ulmus american
Tilia americana
Q. velutina
Q. rubra
Q. macrocarpa
Q. ellipsoidalis
Quercus alba
Fraxinus americana
P. tremuloides
Populus grand.
Ostrya virgin.
J. nigra
Juglans cinerea
F. pennsylvanica
F. lanceolata
Fraxinus amer.
Fagus grand.
Celtis occident.

1536

CI = 716

	Sap. 11	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.	9	4	1	1														5 2
Quercus ellip.																		
Q. macrocarp.	128	54	12 (6)	3														40 16 (6) 16
Q. velut.	53	23	15 (1)	13 (11)	15 (12)	20 (35)	3 (2)	5 (9)	1 (1)									177 72 (71) 195
Prun. serot.	14	6	2 (1)	1	1 (1)													10 4 (2) 5
Querc. alba	2	1		2 (3)														5 2 (3) 8
Pop. grand.																		
Carya ovata	28	12	2	1 (1)				1										10 4 (1) 3
Querc. rubra																		
Juglans nig.																		
Frax. amer.																		
Acer rubrum																		
Tilia amer.																		
Jug. cinerea																		
Ulmus amer.																		
Celtis occ.																		
Ulm. rubra																		
Carya cord.																		
Ostrya virg.																		
Acer sacc.																		

100

100 (P3)

Sap CI = 643

227

#/acre

232

170.4

69.2

4.9

2.4

247

Presence or Frequency
(Common species only)

Occ. 1-10 trees

SOUTHERN UPLAND HARDWOODS

Columbia Co.
G. Cupman
Univ. of Wisconsin
10N8E SE of NW 13
Stand No. *1536*
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium *34*
✓ 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 *13*
Caulophyllum thalictroides
Celastrus scandens *3*
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina *259*
C. rugosa
Corylus americana *1268910*
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum *9*
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Additional species:

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaeans
G. concinnum *9*
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus *10*
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
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 *379*
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta *12345678*
Phlox divaricata
Phryma leptostachya *13*
Podophyllum peltatum
Polemonium reptans

✓ *Rhus glabra*
• *Asparagus officinalis* *2*
• *Verbascum thapsus* *3*
• *Ambrosia trifida*
• ✓ *Euphorbia corollata* *7*
• *Poa com.* *5678910*

✓ Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans *456*
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp. *237*
✓ Rubus allegheniensis *9*
R. occidentalis
R. strigosus *23457*
Sambucus canadensis
Sanguinaria canadensis
✓ Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata *110*
✓ 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 *5*
V. pubescens
Vitis aestivalis *257*
V. riparia *257*
Xanthoxylum americ.
Zizia aurea

✓ *Amorpha canescens*
• *Xanthium strumarium* *2*
• *Tradescantia virginiana* *2*
✓ *Rhus glabra* *2*

✓ *Karyocord*
• *Prun serot.* *15910*
✓ *Prun virg*
• *Populus trem.* *56*
• *Quercus* *8*
• *Carya ovata* *10*

SOUTHERN UPLAND HARDWOODS

- | | | |
|--------------------------------|--------------------------------|---------------------------|
| Actaea pachypoda | Galium aparine | Pteridium aquilinum |
| Adiantum pedatum | G. circaezans | Pyrola elliptica |
| Agrimonia gryposepala | ✓ G. concinnum 10 | Ranunculus abortivus |
| Amelanchier spp. | G. lanceolatum | R. recurvatus |
| Amphicarpa bracteata | G. triflorum | R. septentrionalis |
| Anemonella thalictroides | Geranium maculatum | ✓ Rhus radicans 25 |
| ✓ Apocynum androsaemifolium 10 | Geum canadense | R. cynosbati |
| Aralia nudicaulis | Hackelia virginiana | R. missouriense |
| A. racemosa | ✓ Helianthus strumosus 5 | ✓ Rosa sp. 15 |
| Arenaria lateriflora | Hepatica acutiloba | ✓ Rubus allegheniensis 40 |
| Arisaema atrorubens | Hydrophyllum virginianum | ✓ R. occidentalis |
| Aster macrophyllus | Hystrix patula | ✓ R. strigosus 35 |
| A. sagittifolius | Impatiens biflora | Sambucus canadensis |
| A. shortii | ✓ Lactuca biennis | Sanguinaria canadensis |
| Athyrium filix-femina | Laportea canadensis | ✓ Sanicula gregaria |
| Botrychium virginianum | Lathyrus ochroleucus | S. marilandica |
| Brachyelytrum erectum | Lonicera prolifera | Smilacina racemosa |
| Carex albursina | Lysimachia quadrifolia | S. stellata |
| C. convoluta | ✓ Monarda fistulosa 25 | ✓ Smilax ecirrhata 25 |
| ✓ C. pennsylvanica 15 | Osmorhiza claytoni | ✓ S. herbacea |
| Caulophyllum thalictroides | O. longistylis | Solidago canadensis |
| ✓ Celastrus scandens 10 | Oxalis violacea | S. flexicaulis |
| Circaea quadrisulcata | Panicum latifolium | S. ulmifolia |
| Cornus alternifolia | Parietaria pennsylvanica | Thalictrum dioicum |
| ✓ C. femina 35 | ✓ Parthenocissus vitacea 90 | Triosteum perfoliatum |
| C. rugosa | Phlox divaricata | Uvularia grandiflora |
| ✓ Corylus americana 60 | ✓ Phryma leptostachya 10 | Veronicastrum virginicum |
| Cryptotaenia canadensis | Podophyllum peltatum | Viburnum acerifolium |
| ✓ Desmodium glutinosum 5 | Polemonium reptans | V. lentago |
| D. nudiflorum | ✓ Polygonatum canaliculatum 10 | V. rafinesquianum |
| Dioscorea villosa | P. pubescens | ✓ Viola cucullata 5 |
| Eupatorium purpureum | Polygonum virginianum | V. pubescens |
| E. rugosum | ✓ Potentilla simplex 5 | Vitris aestivalis |
| Festuca obtusa | Prenanthes alba | ✓ V. riparia 20 |
| Fragaria virginiana | ✓ Prunus virginiana | Zanthoxylum americanum |

Additional species:

- Aquilegia
- Amorpha can. 10
- Asparagus offic. 5
- Ambrosia trifida
- Euphorbia corol. 15

- Poa comp. 50

- Rubus hispidus 10
- Tradescantia ohioensis 5
- Verbascum thapsus 5
- Xanthoxylum strumarium 5
- Rhus glabra

- Corya cord.
- Corya oval. 5
- Celtis occ. 5
- Pop. trem. 10
- Prun. serot. 40
- Q. mac. 5
- Q. velut. 15

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1536
Quadrat No.

Acc. 10-20 trees.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
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 8
Caulophyllum thalictroides
Celastrus scandens 7
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina 1235
C. rugosa
Corylus americana 2345610
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
G. circaeazans
G. concinnum 2
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
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
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa 79
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 1234567
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum 210
Polygonatum pubescens
Potentilla simplex 10
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 57
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 12568910
R. occidentalis
R. strigosus 510
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata 45
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
Xanthoxylum americ.
Zizia aurea

Additional species:

• Rubus hispidus 9, 10

• Anemone canescens 19
• Poa compl 1389
• Euphorbia corollata 7, 9

Euphorbia corollata 79

C. Rubus? 9, 10

• Prun. serot 27810

• P. vel 28

• Celtis occ 4

• Q. mac 4

1536

CI = 716

SAP - 643 S

H - 192 S

