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Stand # 1537

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1537

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 (1)	3	1	(1) 1	(2)	2				36
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	(16) 15	(35)	(33 36) 39				1	1	(19)	1
Quercus alba	1		(35) 27 25							
Q. ellipsoid										
Q. macrocarpa	1	1	3	(12)	1	(15+1)	2	50	33 33 25 65	3 23 2 20 4 31 2
Q. rubra	(47)	(30 32)	(18 20)	(21)	(46)	(35)			(45)	
Q. velutina	(34) 20	(31) 23 18	(67 38) 57 22	(49) 23	(55) 13	(103) 16 59	(53) 60	(1)	81 69	(2) (67 21) (35 60) (20) (27) (140)
Tilia amer	(38)	(26)			(46)	(85)			(47)	
Ulmus amer										
Ulmus fulva										
Sap	25 22 18 30	16 25 27 37	15 15 18 24	8 14 12 7	2 10 2 13	10 15 11 7	15 3 8 16	16 8 19 24	22 21 8 22	8 8 3 18
Distance	10 14 17 17	8 18 8 11	7 17 4 12	8 10 13 24	16 8 13 9	7 12 9 12	10 6 6 21	22 9 8 10	16 8 21 8	8 8 8 22

55

45

70

70

60

55

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 7537

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>										
<i>C. ovata</i>		L	L		2		L			
<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>										
<i>P. tremul</i>									26	L
<i>Prunus serot</i>	2	50	30 (27)		(34)	L		36 43	(44)	(59) 48
<i>Quercus alba</i>		(15 28) 45 46		(20)		L		(43) 18		
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>	(14+1) 16+1	2	(13)	2	L	(13) 29	2	L		L
<i>Q. rubra</i>			(43) 58	(68 34)	(33) 15	(110) 56	(16) 41	(2)	(3) 28	(61)
<i>Q. velutina</i>	(12 24+1) 27 35 35	(34)	(38) 50	(19) 39	(44)	(76) 35	(54) 43		(17+2)	(35 36 30) 36 38 94
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>								17	L	
	29 17 18 23	8 16 10 11	15 34 18 40	20 9 21 23	16 18 18 24	7 14 17 11	14 16 8 17	12 15 13 18	16 29 18 11	8 16 20 8
Distance	10 10 10 14	12 14 13 19	7 9 8 10	7 14 9 15	21 5 10 6	5 11 17 14	10 11 15 11	24 8 19 24	7 8 18 10	21 15 16 8

65 45 70 40 60 75

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1537

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	2	12	3	17	L	L	2	L	2	2
Celtis occ							L			
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot		(38)		(30) 20 (33) 16 28	(16) 20 (35) 42		L		(35) (48)	41
Quercus alba	35	L					(19)			
Q. ellipsoid										
Q. macrocarpa	L	L	3	3	2	2	L	2		L
Q. rubra	(29) (37) 19	(42) (69) 22	(16) 48 (78) 42	(19) 22 (37)	(50) (65)	(49) 38 (32) 34	(47) (39) 35	(40) 39 (59) 28	(20) 26 (12) 21	(19) (22)
Q. velutina	(20) 44 (70) 25	(42) (69) 22	(16) 48 (78) 42	(19) 22 (37)	(50) (65)	(49) 38 (32) 34	(47) (39) 35	(40) 39 (59) 28	(20) 26 (12) 21	(19) (22)
Tilia amer			(89) (47)	(22) 54	(32)	(24) 28 (32) 20	(31) 28 (90)	(41) (50) 53	(21) 16 (17) 38	(20) (21) 12
Ulmus amer										
Ulmus fulva										
	20 9 33 26	4 17 15 44	23 21 18 24	6 22 24 26	18 15 11 23	30 23 16 20	21 37 38 38	17 18 19 9	13 20 29 25	9 24 18 28
Distance	10 6 9 16	15 7 15 9	6 10 8 13	22 23 10 12	9 15 11 28	13 15 11 10	14 6 21 16	6 8 10 11	7 22 6 13	10 15 11 17
	40	75	60		65	40	45	60	55	

1537

CTI

Av BA

1537

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	IT : Seed	F. % : Seed	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. : I. I.	C. I. : C. I.	TR : Tr.	ST : St.
Acerrubrum																
A. saccharum																
Carya cord.																
C. ovata	4	4	101	20	34	26.0	28.3	81.4	366.3	6.2	3.3	1.4	10.9	49.1	25.2	20.2
Celtis occiden.				1	1	1.3	.8	3.2	25.6							
Fagus grand.																
Fraxinus amer.																
F. lanceolata																
F. pennsylvani																
Juglans cinere																
J. nigra																
Ostrya virgin.																
Populus grand.																
P. tremuloides	1	1	26	1	1	1.3	.8	3.2	3.2	1.6	.8	.5	2.9	2.9	26	26
Prunus serotin	15	19	1056	12	14	15.6	11.7	40.9	147.2	23.4	15.8	14.3	53.5	192.6	55.6	35.2
Quercus alba	6	7	356	4	4	5.2	3.3	12.7	45.7	9.4	5.8	4.8	20.0	72.0	50.9	29.7
Q. ellipsoidalis																
Q. macrocarpa	9	13	379	26	48	33.8	40.0	110.7	110.7	14.1	10.8	5.1	30.0	30.0	29.2	27.1
Q. rubra																
Q. velutina	28	75	5437	12	17	15.6	14.2	44.7	111.7	43.7	62.5	73.8	180.0	450.0	72.5	39.7
Tilia american																
Ulmus american																
U. rubra	1	1	17	1	1	1.3	.8	3.2	26.2	1.6	.8	.3	2.7	22.1	17	17
	64	120	7372	77	120	100.1	99.9	300	836.6	100	99.8	100.2	300	818.7		

Ave. Dist.
Btw'n Trees12.2 ^{sup} 17.7Ave. BA
(TotalPA ÷ 80) ^{stem} 61.4 36.9No. Trees
Per acre292.7 ^{sup} 139Dom. per
acre

17,971.8

1.67 stem/tree

+17.9

canopy 57.5%

1537

CI = 819

	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.	1	1		1														2 1
Quercus ellip.																		
Q. macrocarp.	56	48	4	3	4①	1	1											32 13① 2
Q. velut.	20	17	6	10⑨	15①⑦	15⑨	12⑩	10⑪	5④	2②								184 75⑥③ 153
Prun. serot.	16	14	3①	1	6	6⑤	2③		1									46 19① 27
Querc. alba	5	4	1	2①	2②	2②												17 7⑤ 12
Pop. grand.																		
Carya ovata	39	34	2	1①	1													10 4① 2
Querc. rubra																		
Juglans nig.																		
Frax. amer.																		
Acer rubrum																		
Tilia amer.																		
Jug. cinerea																		
Ulmus amer.																		
Celtis occ.	1	1																
Ulm. rubra	1	1	1															2 1
Carya cord.																		
Ostrya virg.																		
Acer sacc.																		

120

Sap CI = 837

120 80
196

#/acre

139

153.7

119.6

19.5

293

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1537
Quadrat No.

Actaea pachypoda
✓ Adiantum pedatum
✓ Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 25910131517
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
✓ Apocynum androsaemifolium 718
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 418
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina 381415
C. pennsylvanica 419
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 1268101314151718
Claytonia virginiana
Cornus alternifolia
C. femina 234911131517181920
C. rugosa
✓ Corylus americana 91620
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 20
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 49
Galium aparine
G. circaeazans
✓ G. concinnum 34591213161819
✓ G. lanceolatum
G. triflorum
✓ Geranium maculatum
Gerardia grandiflora
Geum canadense 2367810121415161719
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
✓ Helianthus strumosus 31118
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
✓ Lactuca biennis 5
Laportea canadensis
Lathyrus ochroleucus
✓ Lonicera prolifera 11
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
✓ Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. 101619
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 2012161913
Parthenocissus inserta 126789101112
Phlox divaricata
✓ Phryma leptostachya 341519
Podophyllum peltatum
Polemonium reptans

✓ Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
✓ Prenanthes alba
✓ Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 5
R. recurvatus
R. septentrionalis
Rhus radicans 25789131417
Ribes americanum
R. cynosbati 157811219
R. missouriense
Rosa sp. 46
✓ Rubus allegheniensis 3515
✓ R. occidentalis 912
✓ R. strigosus 1613161819
✓ Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 410171819
S. marilandica
Smilacina racemosa 256111214161719
S. stellata 216
✓ Smilax ecirrhata 3
✓ 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 216
Xanthoxylum americ.
Zizia aurea

Additional species:

Prun serot 123469131416171819
Prun nig 4
Ulmus 3
Crataegus 4
Cornus mat 612
Q. velut 12

✓ Arctium minus 6, 14
✓ Vib. lentago
• Rhamnus catharticus 12, 17
• Oxalis 15 76

SOUTHERN UPLAND HARDWOODS

1537

Actaea pachypoda
 ✓ Adiantum pedatum
 ✓ Agrimonia gryposepala
 Amelanchier spp.
 ✓ Amphicarpa bracteata 35
 Anemonella thalictroides
 ✓ Apocynum androsaemifolium 10
 Aralia nudicaulis
 A. racemosa
 Arenaria lateriflora
 Arisaema atrorubens
 Aster macrophyllus
 ✓ A. sagittifolius 10
 A. shortii
 Athyrium filix-femina
 Botrychium virginianum
 Brachyelytrum erectum
 Carex albursina
 ✓ C. convoluta 20
 ✓ C. pensylvanica 10
 Caulophyllum thalictroides
 Celastrus scandens
 ✓ Circaea quadrisulcata 55
 Cornus alternifolia
 ✓ C. femina 55
 C. rugosa
 ✓ Corylus americana 15
 Cryptotaenia canadensis
 ✓ Desmodium glutinosum 5
 D. nudiflorum
 Dioscorea villosa
 Eupatorium purpureum
 E. rugosum
 Festuca obtusa
 ✓ Fragaria virginiana 10

Galium aparine
 G. circaeazans
 ✓ G. concinnum 45
 ✓ G. lanceolatum
 G. triflorum
 ✓ Geranium maculatum
 ✓ Geum canadense 65
 Hackelia virginiana
 ✓ Helianthus strumosus 15
 Hepatica acutiloba
 Hydrophyllum virginianum
 Hystrix patula
 Impatiens biflora
 ✓ Lactuca biennis 5
 Laportea canadensis
 Lathyrus ochroleucus
 ✓ Lonicera prolifera 5
 Lysimachia quadrifolia
 Monarda fistulosa
 ✓ Osmorhiza claytoni 15
 O. longistylis
 ✓ Oxalis violacea 10
 Panicum latifolium
 Parietaria pensylvanica
 ✓ Parthenocissus vitacea 70
 Phlox divaricata
 ✓ Phryma leptostachya 20
 Podophyllum peltatum
 Polemonium reptans
 ✓ Polygonatum canaliculatum
 P. pubescens
 Polygonum virginianum
 Potentilla simplex
 ✓ Prenanthes alba
 ✓ Prunus virginiana 5

✓ Pteridium aquilinum
 Pyrola elliptica
 ✓ Ranunculus abortivus 5
 R. recurvatus
 R. septentrionalis
 ✓ Rhus radicans 40
 ✓ R. cynosbati 35
 R. missouriense
 ✓ Rosa sp. 10
 ✓ Rubus allegheniensis 15
 ✓ R. occidentalis 10
 ✓ R. strigosus 30
 ✓ Sambucus canadensis
 Sanguinaria canadensis
 ✓ Sanicula gregaria 25
 S. marilandica
 ✓ Smilacina racemosa 45
 ✓ S. stellata 10
 ✓ Smilax ecirrhata 5
 ✓ S. herbacea
 ✓ Solidago canadensis
 S. flexicaulis
 S. ulmifolia
 Thalictrum dioicum
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrum virginicum
 Viburnum acerifolium
 ✓ V. lentago
 V. rafinesquianum
 Viola cucullata
 V. pubescens
 Vitris aestivalis
 ✓ V. riparia 10
 Zanthoxylum americanum

Additional species:

- Arctium minus 10

- Carya ovata 10

- Cystopteris 5

- Quercus 5

- Ulmus 5

- Rhamnus cath. 10

1537

CI = 819

Sap 837.5

H - 244 + 1

750

550

350

250

150

100

50

25

1

4

7

10

13

16

19

22

x

