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1543 Stand # Clear Stand # 1543

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[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1543

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord	1	1	1	1		2	1	14	12	1
C. ovata				23						
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran			18	31 41	39 18	23		34	27 18	37 14
P. tremul										
Prunus serot	23 16	14 21 40		21	30				17	
Quercus alba	13	13	1	1	1	55 35	16	2	38	18 184
Q. ellipsoid						31 42				
Q. macrocarpa										
Q. rubra	13 32	2	44 45	1	54	3	24	14 37	24	1
Q. velutina		1							1	
Tilia amer										
Ulmus amer										
Ulmus fulva		1	15				14	1	1	1
	8 7 12 11	8 13 8 18	5 11 15 13	13 6 7 25	7 10 9 3	6 19 6 12	3 5 8 18	10 12 11 12	2 8 7 15	2 12 14 10
Distance	13 18 8 7	9 6 13 16	13 6 7 10	6 7 7 11	1 8 3 11	10 9 9 10	4 13 11 5	6 15 17 14	15 16 8 13	3 9 4 13

75 65

60 70

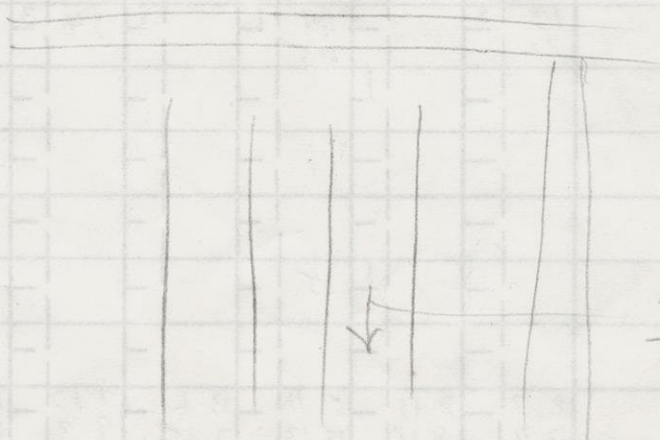
75 80

Nearly CC (1932?)

Red blk x wht oak (mostly wht)

Few reds are multiples (Why?)

(When 1st started growing, cut some of extras)



N
⊕
5 slp
(20-30)

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1543

STATION NO.	1	2	3	4	5	6	7	8	9	210
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord	2	1		3	1	1	14	1	2	19
C. ovata			1	22						
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra									65	78
Ostrya virg										
Populus gran					29	42 (58) 60		15	13	13
P. tremul										
Prunus serot	2	1	28 15	1			29		25 14	
Quercus alba	17 12 + 2 21 23 + 1 18 32 + 1	19	30 40 26	17 18 12	2	29	29 26	22 30 12 + 1	64	2
Q. ellipsoid										
Q. macrocarpa										
Q. rubra		32 25	57 72 36	35	25 32	15	13	2	39	43
Q. velutina		14		13						1
Tilia amer	24							12 25 30 + 4		
Ulmus amer										
Ulmus fulva						1	3		25	1
	8 21 6 24	8 11 8 20	3 10 4 23	4 8 6 12	7 12 17 13	3 15 6 12	7 8 12 16	10 13 12 18	10 11 8 15	13 16 12 20
Distance	14 14 8 10	2 11 8 12	7 15 8 20	21 3 6 16	7 13 7 13	6 7 6 5	11 15 10 16	10 9 13 9	11 16 8 11	6 17 16 13

75 70

65 65

70 65

80

left
over

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1543

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>	1		3			2	2	2	2	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>										
<i>J. nigra</i>									67	
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>	27 40	33 23	15 20	24	12 20	1 27	41 30	25	2 16	19 44
<i>Quercus alba</i>	12 +1	12 18 21 22	15 +1		12 21 23 14	53	12	34	39 44	25 12
<i>Q. ellipsoid</i>		26			18 22				64	15
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>	2	1	74 39	80	1 21	16	59 54	184	45	17 74
<i>Q. velutina</i>							36 37 35	52		
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>	20 15	2				14 25 23	21	51	22	26
	9 16 16 15	3 7 4 18	2 12 9 17	3 10 6 25	9 4 15 13	3 17 11 23	14 7 5 17	9 8 15 17	7 18 14 19	7 17 17 21
Distance	13 8 6 8	14 16 10 11	8 10 10 3	7 5 9 14	15 6 14 13	17 10 11 8	9 10 12 28	21 5 15 11	15 11 5 18	5 7 6 9
	60	75	85	70	20	70	85			
		15	16	17		19	20			

																	AV BA 1543	
Tree	No.	No.	No.	No.	No.	F.%	D.%	II	F.%	F.%	D.%	Dom.%					Tr	St
	Pts.	Tr.	Dom.	Sap.	Sap.	Sap.	Sap.	Seed	Seed	Tr.	Tr.	Trees	I.I.	C.I.				
Acerrubrum																		
A. saccharum																		
Carya cord.	4	4	59	22	33	24.2	27.5	77.6	66.4	4.4	3.3	1.2	8.9	76.5	14.7	14.7	Ave. Dist.	
C. ovata	2	2	45	1	1	1.1	.8	2.9	13.1	2.3	1.7	.9	4.9	22.1	22.5	22.5	Btw'n Trees	Sap
Celtis occiden.																	10.4	11.2
Fagus grand.																		
Fraxinus amer.																	Ave. BA	
F. lanceolata																	(Total	
F. pennsylvani																	PA ÷ 80)	stem
Juglans cinere																	40.8	30.6
J. nigra	3	3	210							3.4	2.5	4.3	10.2	64.3	70	70	No. Trees	
Ostrya virgin.			12														Per acre	Sap
Populus grand.	12	17	530	4	5	4.4	4.2	13.1	56.3	13.3	14.2	10.8	38.3	164.7	31.2	29.4	402.7	347.3
P. tremuloides																	Dom. per	
Prunus serotin	13	18	550	18	21	19.8	17.5	56.0	201.6	14.4	15.0	11.2	40.6	146.2	30.6	22.9	acre	
Quercus alba	22	32	567	12	15	13.2	12.5	37.6	135.4	24.4	26.7	32.0	83.1	299.2	49	29	16,430.2	
Q. ellipsoidalis																		
Q. macrocarpa																		
Q. rubra	20	28	1204	14	20	15.4	11.7	48.2	269.9	22.2	23.3	24.6	70.1	392.6	43	37.6		
Q. velutina	3	4	371	6	6	6.6	5.0	17.6	44.0	3.3	3.3	7.6	14.2	35.5	92.7	53		
Tilia american	2	2	91	1	1	1.1	.8	2.9	21.2	2.3	1.7	1.9	5.9	43.1	45.5	22.7		
Ulmus american																		
U. rubra	9	10	271	13	18	14.3	15.0	44.1	361.6	10.0	8.3	5.5	23.8	195.2	27	22.6		
	90	120	4898	91	120	100.1	100	300	1770.5	100	100	100	300	1439.4				

1.33 stems/tree

+ 331.1

canopy 71.5%

stem	1	2	3	4	Tot.	single	multiple	trees	stems	% mult.	st/ta	Multiple only			Spt origin		
												mult.	stems	stems/tree	#	% spt	% mult.
Q. alba	17	9	5	1	32	17	15	32	54	46.9	1.69	15	37	2.47	29	90.6	51.7
Q. rub.	25	2	1		28	25	3	28	32	10.7	1.14	3	7	2.33	7	25	42.9
Q. rubul.	3			1	4	3	1	4	7	25	1.75	1	4	4.0	1	25	100
						45	19	64	93	29.7	1.45	19	48	2.53			
Q. rub-vel.						28	4	32	39	12.5	1.22	4	11	2.75	8	25	50

1543
CI = 1439

	Sap.	12-	20-	29-	39-	51-	64-	79-	96-	114-	133-	154-	177-	202-	255-	315-	381-	
	1	19	28	38	50	63	78	95	113	132	153	176	201	254	314	380	452	
Pop. trem.																		
Quercus ellip.																		
Q. macrocarp.																		
Q. velut.	17	6	2			13							1				13	4 ③ 10
Prun. serot.	61	21	4	10 ④	2	2 ③											60	18 ⑥ 20
Querc. alba	43	15	12 ④	6 ⑤	6 ④	3 ⑤	2 ①	2 ③					1				108	32 ② 73
Pop. grand.	14	5	7	2	4	3	1 ①										57	17 ① 3
Carya ovata	3	1	2														7	2
Querc. rubra	58	20	6	5	5 ①	6	2 ①	3 ②	1								94	28 ④ 13
Juglans nig.							3										10	3
Frax. amer.																		
Acer rubrum																		
Tilia amer.	3	1		1	1 ②												7	2 ② 7
Jug. cinerea																		
Ulmus amer.																		
Celtis occ.																		
Ulm. rubra	52	18	3	6 ②		1											34	10 ② 7
Carya cord.	96	33	4														13	4
Ostrya virg.																		
Acer sacc.																		
	120																	120 ④ 133

Sap CI = 1770

#/acre

347

295.7

97.4

3.4

6.7

403

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Polygonatum canaliculatum

Polygonatum pubescens

Potentilla simplex 341115719

Prenanthes alba 19

Pteridium aquilinum

Pyrola elliptica 4

Ranunculus abortivus

R. recurvatus

R. septentrionalis 719

Rhus radicans 3456810121411

Ribes americanum

R. cynosbati

R. missouriense

Rosa sp.

Rubus allegheniensis 17

R. occidentalis 812131516

R. strigosus

Sambucus canadensis

Sanguinaria canadensis

Sanicula gregaria 1456911157720

S. marilandica

Smilacina racemosa 61012

S. stellata

Smilax ecirrhata

S. herbacea

S. tamnoides

Solidago altissima 717

S. flexicaulis 1419

S. ulmifolia

Thalictrum dioicum

Tovara virginiana

Trillium cernuum

T. flexipes

T. grandiflorum

T. recurvatum

Triosteum perfoliatum

Uvularia grandiflora

Veronicastrum virginicum 3

Viburnum acerifolium

V. rafinesquianum

Viola cucullata 2

V. pubescens

Vitis aestivalis

V. riparia 1671019

Xanthoxylum americ.

Zizia aurea

Vib. lentago 8

Pod. prat. 14

Ceanothus 19

Spiraea 20

✓ Actaea pachypoda

Adiantum pedatum

Agrimonia gryposepala 19

Allium tricoccum

Amphicarpa braceata

Anemone quinquefolia

A. virginiana

Anemonella thalictroides

Antennaria sp.

Aplectrum hiemale

Apocynum androsaemifolium 6

Aquilegia canadensis

Aralia nudicaulis 381112418

A. racemosa

Arenaria lateriflora

Arisaema atrorubens

Asarum canadensis

Aster macrophyllus

A. sagittifolius 59101415

A. shortii 1

Athyrum filix-femina

Botrychium virginianum 2

Brachyelytrum erectum 3, 10

Campanula americana

Carex albursina 131516

C. pensylvanica 1234567891011121416

Caulophyllum thalictroides

Celastrus scandens 121920

Circaea quadrisulcata 14581314151617

Claytonia virginiana

Cornus alternifolia

C. femina 125678101417181920

C. rugosa

Corylus americana 101115

Cryptotaenia canadensis

Cypripedium pubescens

Cystopteris fragilis

Dentaria laciniata

Desmodium glutinosum 201918171615

D. nudiflorum 48916

Dicentra cucullaria

Dodecatheon meadia

Dryopteris spinulosa

Erigeron pulchellus

Erythronium albidum

Eupatorium purpureum

Additional species:

Alnus 129111213141720

C. alba 26

P. rub 39

P. cicut 3

P. grand 11

✓ Eupatorium rugosum

Festuca obtusa

Fragaria virginiana 151518

Galium aparine

G. circaeazans

G. concinnum 247910111420

G. lanceolatum

G. triflorum

Geranium maculatum 41215

Gerardia grandiflora

Geum canadense 111314

Goodyera pubescens

Habenaria bracteata

Hackelia virginica

Hamamelis virginiana

Helianthus strumosus 581115

Hepatica acutiloba

Heuchera richardsonii

Hydrastis canadensis

Hydrophyllum virginianum

Hystrix patula

Impatiens capensis

I. pallida

Isopyrum biternatum

Lactuca biennis 1320

Laportea canadensis

Lathyrus ochroleucus

Lonicera prolifera 16

Lysimachia quadrifolia 817

Maianthemum canadensis

Menispermum canadensis

Mitella diphylla

Monarda fistulosa 20

Orchis spectabilis

Oryzopsis racemosa

Osmorhiza clayton. 18911121315

O. longistylis

Osmunda claytoni

Panax quinquefolia ✓

Panicum latifolium 411

Parietaria pennsylvanica

Parthenocissus inserta 213

Phlox divaricata

Phryma leptostachya 17131720

Podophyllum peltatum

Polemonium reptans

P. virgin 18

SOUTHERN UPLAND HARDWOODS

1543

- Actaea pachypoda*
Adiantum pedatum
Agrimonia gryposepala 5
Amelanchier spp.
Amphicarpa bracteata
Anemonella thalictroides
Apocynum androsaemifolium 5
Aralia nudicaulis 30
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Aster macrophyllus
A. sagittifolius 25
A. shortii 5
Athyrium filix-femina
Botrychium virginianum 5
Brachyelytrum erectum 10
Carex albursina
C. convoluta 15
C. pensylvanica 80
Caulophyllum thalictroides
Celastrus scandens 15
Circaea quadrisulcata 50
Cornus alternifolia
C. femina 60
C. rugosa
Corylus americana 20
Cryptotaenia canadensis
Desmodium glutinosum 85
D. nudiflorum 20
Dioscorea villosa
Eupatorium purpureum
E. rugosum
Festuca obtusa
Fragaria virginiana 20
Galium aparine
G. circaeazans
G. concinnum 40
G. lanceolatum
G. triflorum
Geranium maculatum 15
Geum canadense 15
Hackelia virginiana
Helianthus strumosus 20
Hepatica acutiloba
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
Lactuca biennis 10
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera 5
Lysimachia quadrifolia 10
Monarda fistulosa 5
Osmorhiza claytoni 35
O. longistylis
Oxalis violacea
Panicum latifolium 10
Parietaria pensylvanica
Parthenocissus vitacea 10
Phlox divaricata
Phryma leptostachya 25
Podophyllum peltatum
Polemonium reptans
Polygonatum canaliculatum
P. pubescens
Polygonum virginianum
Potentilla simplex 30
Prenanthes alba 5
Prunus virginiana 5
Pteridium aquilinum
Pyrola elliptica 5
Ranunculus abortivus
R. recurvatus
R. septentrionalis 10
Rhus radicans 45
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 5
R. occidentalis 25
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 45
S. marilandica
Smilacina racemosa 15
S. stellata
Smilax ecirrhata
S. herbacea
Solidago canadensis 10
S. flexicaulis 10
S. ulmifolia
Thalictrum dioicum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum 5
Viburnum acerifolium
V. lentago 5
V. rafinesquianum
Viola cucullata 5
V. pubescens
Vitris aestivalis
V. riparia 25
Zanthoxylum americanum

Additional species:

- *Ceanothus* 5

- *Panax quing.*
 - *Loa pal.* 5

- *Carya cord* 35- *Crataegus* 5- *Pop. grand* 5- *Prun. serot* 5- *Palba* 10- *Prub* 10- *Ulmus* 45

1543

CI = 1439

SAP - 1770 + 1

H - 274 S

