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POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1570

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum		17 L	3 34 4	16 20 4	35	2		110 L	74 2	44
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	L					20 L	235 2	17	26 L	31 3
Celtis occ										
Crataegus sp.	L									
Fagus grand			5							
Fraxinus am			65 L					5 L		
F. nigra										
Juglans cin.										
J. nigra	21									
Ostrya virg										
Populus gran	52 77									
P. tremul										
Prunus serot	59 L	60				45 L				12 23
Quercus alba					293			L	L	
Q. ellipsoid										
Q. macrocarpa										
Q. rubra	5 L				No 5 L					
Q. velutina		62 53	88 160				110 33			
Tilia amer		63 31	167 174	120 24		176	32 60			
Ulmus amer			53 23 85 30 80							
Ulmus fulva			126 102 118 30	134 26		25		33 45	70 5	28
	13 9 21 25	6 20 6 25	11 9 34 22	10 15 19 20	3 15 12 20	7 20 12 20	10 6 18 14	9 12 20 20	15 11 19 25	8 7 12 6
Distance	9 7 23 16	13 11 13 8	17 13 28 21	7 9 12 26	5 10 8 25	4 9 9 15	19 10 12 17	7 22 5 11	2 18 5 12	10 13 10 11

90

90

75

100

83

old
no 5.

Several big Op Grm W. Oaks,

Seems mostly white oaks were cut out.

Few red oaks. If maple-basswood has accen, can go from

white oak - shag hick to maple - basswood stage. Cutting can hasten sugar maple also, as more

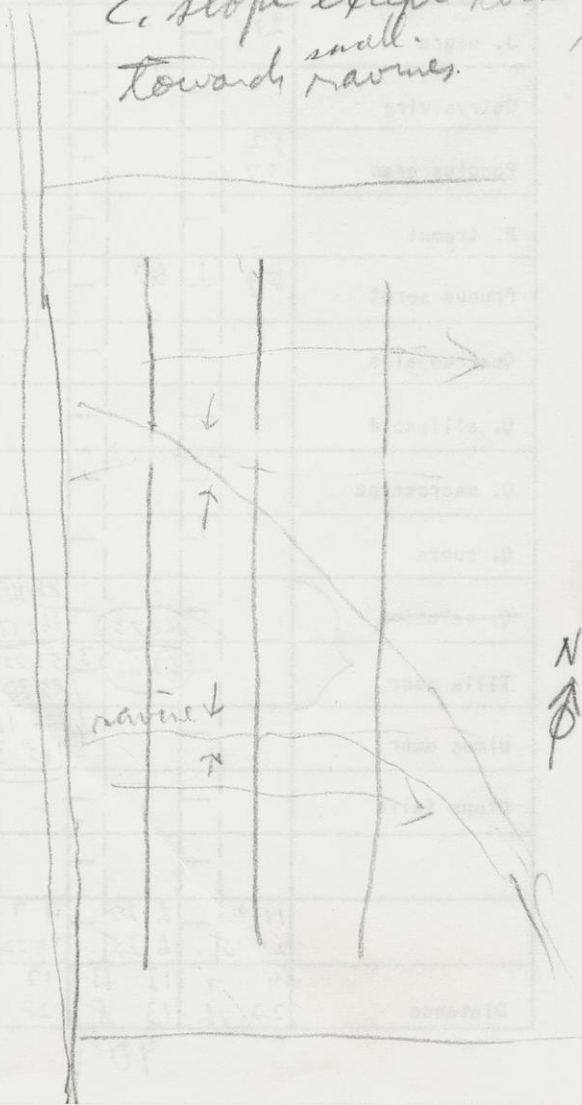
seedlings found in slt opens than in shade.

Shag hick doing very well - seed, sap & trees.

A₀ $\frac{1}{8}$ - $\frac{1}{4}$

A₁ 2-3 $2\frac{1}{2}$ Silt loam

E. slope except locally
towards ^{small} ravines.



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1570

STATION NO.	1	2	3	4	5	6	7	8	9	20
Acer rubrum							58			
A. saccharum	64 1640	2 32 12	12 2		23 14		2 13 79	16 3 81	1	37
Betula papy.										
Carpinus car										
Carya cord										
C. ovata			130			18	25 3	49 34 34	33 3	2
Celtis occ										
Crataegus sp.	1									
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran		1								
P. tremul										
Prunus serot		14 40	29	1		1				1
Quercus alba	720		620	1	2 140		1	1	1	
Q. ellipsoid										
Q. macrocarpa										
Q. rubra						103				
Q. velutina										
Tilia amer			1		1					1
Ulmus amer										
Ulmus fulva	1			27 50 50 32	37	1 22 36			73 66	22 35 40
	12 16 9 14	5 15 9 30	12 9 13 21	12 9 12 16	15 12 15 29	7 9 11 11	7 16 24 40	16 4 14 28	5 10 6 8	1 8 7 7
Distance	6 17 6 20	11 6 3 8	7 33 9 10	4 15 11 15	10 20 13 22	10 8 11 23	6 6 7 20	4 13 8 21	6 17 7 20	6 8 9 21

85

60

75

95

80

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1570

STATION NO.	1	2	3	4	5	6	7	8	9	30	
Acer rubrum		21 29									
A. saccharum	14 76	45 71	4 101	4 395	3	1	7	15 23	4 51	4 50	3
Betula papy.											
Carpinus car											
Carya cord											
C. ovata						1	1				
Celtis occ											
Crataegus sp.											
Fagus grand											
Fraxinus am						1			73		
F. nigra											
Juglans cin.											
J. nigra					20						
Ostrya virg					20		16 13	1			
Populus gran											
P. tremul											
Prunus serot					40	1					
Quercus alba							240				
Q. ellipsoid											
Q. macrocarpa											
Q. rubra							★				
Q. velutina											
Tilia amer	100		125 101	47 162 93	62 34 25 14 11	42 11 95 17 11	21 25	2		27	1
Ulmus amer											
Ulmus fulva	103		45			21		14 58	85	38 60	
	15 P 15 71	10 R 8 21	14 R 18 10	12 24 11 25	8 22 22 22	3 14 7 21	9 15 10 22	3 13 5 14	17 10 21 28	10 18 30 21	
Distance	7 6 18 16	6 19 14 13	8 10 17 11	21 6 22 12	9 13 6 7	5 22 7 14	4 16 6 12	8 8 9 5	7 15 15 15	5 16 8 31	

Practically all virgin. Dub. 530 BA

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1570

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>	44			46		(46+2)	13 2	20 27		(20+1) 35
<i>A. saccharum</i>	106 30	3 11	25	13	50 14	70	89	56 93	2 45 15	
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>										
<i>C. ovata</i>		19	2	3	23	2	2			1 4
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>			18	1					(5)	1
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg</i>						1				
<i>Populus gran</i>			102							27 56
<i>P. tremul</i>										
<i>Prunus serot</i>				4						
<i>Quercus alba</i>										
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>							11	11	11	
<i>Q. velutina</i>										
<i>Tilia amer</i>	58		1							
<i>Ulmus amer</i>						(17) 17			87 27	
<i>Ulmus fulva</i>	5	1	45 60	(57) 53	26	(17) 14	35 (21+1)	37 38	15 38	24
	2 22 22 20	20 6 7 11	5 7 9 13	8 10 5 9	12 12 14 13	9 13 28 23	14 24 14 38	21 18 15 15	6 17 8 18	6 19 3 11
Distance	20 13 8 11	18 11 4 12	15 15 15 20	17 8 15 12	11 8 13 11	16 18 12 15	20 12 6 13	7 13 5 8	4 7 12 15	12 6 8 11

100

70

90

90

95

Near
here
A. sac
600 BA

Much young stuff cut, to thin woods.
Pile of fence posts, maybe used young stuff for
F posts. Wrens + 7 rap. noticeable, cut young stuff
7 rap (with 2-6)

Why not? Very few > 100.
Campa over 1000 in 7 years, why don't D. stop it?
Mostly Q. rub + Q. alb in the big stuff
cut, plus the little
Very few D. white

Stumps

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1570

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
3-5 6.8 5.6 18.6 A. saccharum 186	B-5			B-4				A-5		
Betula papy.										
Carpinus car										
Carya cord										
2-3 4.5 3.3 11.7 C. ovata 52.6		B-5	A-4							
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul								A-5 2sp		
2-2 4.5 2.2 10.1 Prunus serot 36.4				B-4	B-4	B-4		A-4 1sp		
24-56 54.5 62.2 175.1 Quercus alba 630.4	B-4	A-3 B-4	B-4 C-4	C-4 B-5	B-4 B-4	B-4 C-4	B-4 C-4	C-4 C-4	C-5 C-4	
Q. ellipsoid					B-4	B-4		C-4	B-4	
Q. macrocarpa										
4-9 9.1 10 26.7 Q. rubra 160.7	B-5	B-5	B-3							C-4
Q. velutina										
5-9 11.3 10 32 Tilia amer 233.6			A-4 2sp					B-5 1sp B-5 2sp	B-5 B-5 2sp	
Ulmus amer										
4-6 9.1 6.7 23.7 Ulmus fulva 194.3	B-5			A-3				B-5 T27		A-4
Distance	16 16 33 34	33 10 10 33	10 24 19 37	6 38 6 35	18 26 18 43	23 25 23 8	18 12 13 3	14 22 22 37	19 25 45 58	24 23 27 15

CI = 1494

ave.

23'

82/ac.

15.6%

1570

CI = 2222

CATAEG.

	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	720
Pop. trem.	3	2																
Quercus ellip.																		
Q. macrocarp.																		
Q. velut.																		
Prun. serot.	18	12	2	1	1	3	2											17 9
Querc. alba	10	7									1			1	11			29 5
Pop. grand.	1	1		1		2	1		1									9 5
Carya ovata	50	34	3	4	4	1				1				1				26 14
Querc. rubra	1	1							1									2 1
Juglans nig.				2														4 2
Frax. amer.	9	6	1				2											6 3
Acer rubrum																		
Tilia amer.	16	11	1	4	1	2	5③	3	3①	3②		3②						47 25 ①② 30
Jug. cinerea																		
Ulmus amer.																		
Celtis occ.																		
Ulm. rubra	15	10	4①	10	9①	6	4①	3	2	1		1①						75 40 ① 8
Carya cord.																		
Ostrya virg.	3	2	10①	1														4 2① 2
Acer sacc.	108	74	13	8	7①	9	3	5	4	3	1						1	102 54① 2

160

Sap CI = 2166

160 ②②

42

#/acre

234

146.6

90.2

43.2

9.4

3.8

1.9

5.6

301

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 59
Anemone quinquefolia
A. virginiana
Anemonella thalictroides 23
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 256
A. shortii 2
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina 249
C. pensylvanica 378910
Caulophyllum thalictroides
Celastrus scandens 568
Circaea quadrisulcata 7
Claytonia virginiana
Cornus alternifolia
✓ C. femina 9
C. rugosa
Corylus americana
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 2
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaeans
G. concinnum 578
G. lanceolatum
G. triflorum
Geranium maculatum 2345810
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
✓ Helianthus strumosus 7
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera 6
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 4789
Phlox divaricata
Phryma leptostachya
✓ Podophyllum peltatum
Polemonium reptans 10

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba 10
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 610
R. recurvatus
R. septentrionalis
✓ Rhus radicans 5
Ribes americanum
R. cynosbati 289
R. missouriense
Rosa sp.
Rubus allegheniensis
✓ R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 2
S. marilandica
Smilacina racemosa 12346810
S. stellata
Smilax ecirrhata 7
✓ S. herbacea 7
S. tamnoides
Solidago altissima 6
S. flexicaulis 14567910
S. ulmifolia 2678
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora 310
✓ Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 26810
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ. 4
Zizia aurea

Additional species:

• Prunus 49

• P. rubra 5

• Tilia 7

• Poa compressa 5

C. ... 26

... 4 87

• Acer sac 4678910

• Corylus 234510

• Ostrya 2

• Ulmus 26

• Prunus 34567

SOUTHERN UPLAND HARDWOODS

1570

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Amelanchier spp.
✓ Amphicarpa bracteata 35
✓ Anemonella thalictroides 25
Apocynum androsaemifolium
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Aster macrophyllus
✓ A. sagittifolius 30
✓ A. shortii 5
Athyrium filix-femina
✓ Botrychium virginianum
Brachyelytrum erectum
Carex albursina
✓ C. convoluta 25
✓ C. pennsylvanica 45
Caulophyllum thalictroides
✓ Celastrus scandens 20
✓ Circaea quadrisulcata 10
Cornus alternifolia
✓ C. femina 15
C. rugosa
✓ Corylus americana
Cryptotaenia canadensis
✓ Desmodium glutinosum
D. nudiflorum
✓ Dioscorea villosa
Eupatorium purpureum
✓ E. rugosum 5
Festuca obtusa
✓ Fragaria virginiana 5

Galium aparine
G. circaezans
✓ G. concinnum 40
G. lanceolatum
G. triflorum
✓ Geranium maculatum 55
✓ Geum canadense
Hackelia virginiana
✓ Helianthus strumosus 10
Hepatica acutiloba
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
✓ Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
✓ Lonicera prolifera 5
Lysimachia quadrifolia
Monarda fistulosa
✓ Osmorhiza claytoni
O. longistylis
Oxalis violacea
Panicum latifolium
✓ Parietaria pennsylvanica 15
✓ Parthenocissus vitacea 25
Phlox divaricata
✓ Phryma leptostachya 5
✓ Podophyllum peltatum 5
✓ Polemonium reptans 15
Polygonatum canaliculatum
P. pubescens
Polygonum virginianum
Potentilla simplex
✓ Prenanthes alba 10
✓ Prunus virginiana 10

Pteridium aquilinum
Pyrola elliptica
✓ Ranunculus abortivus 10
R. recurvatus
✓ R. septentrionalis 5
✓ Rhus radicans 10
✓ R. cynosbati 25
R. missouriense
Rosa sp.
✓ Rubus allegheniensis
✓ R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
✓ Sanicula gregaria 10
S. marilandica
✓ Smilacina racemosa 80
S. stellata
✓ Smilax ecirrhata 10
✓ S. herbacea
✓ Solidago canadensis 5
✓ S. flexicaulis 60
✓ S. ulmifolia 25
✓ Thalictrum dioicum 5
Triosteum perfoliatum
✓ Uvularia grandiflora 15
✓ Veronicastrum virginicum
Viburnum acerifolium
V. lentago
✓ V. rafinesquianum
Viola cucullata 40
V. pubescens
Vitris aestivalis
✓ V. riparia
✓ Zanthoxylum americanum 5

Additional species:

- Asclepias exaltata
- Trillium recurvatum
- Cirsium alt 10

- Poa compressa 10

- Acer sacce 65
- Carya ovata 55
- Ostrya 20
- Prun serot 40
- Q. alba 10
- Q. rub 5
- Tilia 5
- Ulmus 25

4
49
53

Presence or Frequency
(Common species only)

Stand No. 1570
Quadrat No.

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata 12367
Anemone quinquefolia
A. virginiana
Anemonella thalictroides 3710
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 3410
✓ A. shortii 8
Athyrium filix-femina
✓ Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina 4
C. pensylvanica 3579
Caulophyllum thalictroides
Celastrus scandens 9
Circaea quadrisulcata 9
Claytonia virginiana
Cornus alternifolia
C. femina 710
C. rugosa
Corylus americana
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 7
Galium aparine
G. circaezans
G. concinnum 235710
G. lanceolatum
G. triflorum
Geranium maculatum 346710
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 3
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
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 124
Parthenocissus inserta 10
Phlox divaricata
Phryma leptostachya 4
Podophyllum peltatum 8
Polemonium reptans 3

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba 3
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 3
Ribes americanum
R. cynosbati 48
R. missouriense
Rosa sp.
✓ Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 2
S. marilandica
Smilacina racemosa 1234678
S. stellata
Smilax ecirrhata 7
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis 247910
S. ulmifolia 10 710
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 2457
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

• Prunus serot 347

• Acer sac 12567810 Ulmus 349

• Carya ovata 2345810 Cirsium 34

• Poa comp 4

• Ostrya 248

• Palla 79

Prunella 10

1570

CI=2222

SAP-2166 S

H-345-1

750

550

350

250

150

100

50

25

1

4

7

10

13

16

19

22

α

