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1563 Stand #

hel

Stand # 1563

	TREE	^{STAND CHARACTERISTICS} C.I.	^{SOILS} W.R.C.	
1803	SAP	C.I.	pH	81.4 6.8
+289	C.I.	DIFFERENCE	lbs./acre CA Mg P K NO_3 NH_3	100 310 3 25
279	4 SAPS / ACRE			
229	3 TREES / ACRE		Soil profile	A _o ½ A _i 2-3" silt loam B yellow 3 sides
45	4 AVE. B.A. STEM			
56	AVE BA TREE		slope	0° 15' of P.D. across
12876	Dom. / acre		C.I.	1323
568	stems + cfs		^{cutting} STUMPS / ACRE	87
289	STEMS / ACRE		Spp. cut	P.O.-v 41 PA 22
1,26	4 STEMS / TREE			
16	% mult		Ave. size cut	A. 6
58.5	CANOPY %		Ave. TIME since cut	3.2

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1563

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>	2	1	1	1	18+1	2	23 17+1	2	2	1
<i>C. ovata</i>		1								
<i>Celtis occ.</i>										
<i>Crataegus sp.</i>					1					
<i>Fagus grand.</i>		15 14			17 25 21 12+1					
<i>Fraxinus am.</i>	12 14 14	12 15 13 29	2	32 26	3	14 20	3	15 +1	15 12	12+1
<i>F. nigra</i>							19	55 28	35	3 17 +2
<i>Juglans cin.</i>										
<i>J. nigra</i>				45	90					
<i>Ostrya virg.</i>										
<i>Populus gran.</i>										
<i>P. tremul.</i>										
<i>Prunus serot.</i>										
<i>Quercus alba</i>				32 13 15		19 12	15 21 40 22			
<i>Q. ellipsoid.</i>										
<i>Q. macrocarpa</i>				17 13 +1	15					
<i>Q. rubra</i>	60								60 53+1	3
<i>Q. velutina</i>			12+1 26					32		
<i>Tilia amer.</i>										
<i>Ulmus amer.</i>						24+2 25				
<i>Ulmus fulva</i>		20			2	2 15 18 22 23	15	21+1	50 14+1	24+2 15+1
<i>Sandfly</i>		60		60		15 70		80		12 18 23 32
	7 9 15 10	2 9 3 14	9 11 5 12	8 7 6 6	15 18 14 15	8 12 6 14	6 7 25 13	5 13 11 9	7 11 4 15	7 7 8 22
Distance	15 6 12 23	7 8 11 15	6 9 7 10	21 14 7 18	7 12 13 9	3 12 13 17	8 17 24 13	20 3 10 20	17 10 11 17	19 5 9 17

17 25
31 2014 7
20 223 12 6 16
4 17 10 3417 10
12 6

Light out ^{High} 195

In High 95 75 30 150 40
35 35 100 150 45

A₀ $\frac{1}{2}$

A₁ 2-3" silt loam

B yellow clay

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1563

STATION NO.	1	2	3	4	5	6	7	8	9	20	
Acer rubrum											
A. saccharum				1							
Betula papy.											
Carpinus car											
Carya cord	2					L					
C. ovata											
Celtis occ											
Crataegus sp.											
Fagus grand			25		72						
Fraxinus am	2	14	3	17 17	34 35	38 86	45 1925	3 26 22	3 13 16	2 20 70	4 75 354
F. nigra											
Juglans cin.											
J. nigra		60	49							15	
Ostrya virg				2	4		L	L			
Populus gran											
P. tremul											
Prunus serot				L							
Quercus alba		18									
Q. ellipsoid											
Q. macrocarpa											
Q. rubra		18 23	1 2 15	12	1			380	①		
Q. velutina							190	102		205	
Tilia amer							(14+2)				
Ulmus amer											
Ulmus fulva	22 19+1 20 29 15	20 20 31 23+1		19 12	72 105	70				25 L	
		70		50		0		70		50	
	7 17 4 11	3 13 4 8	10 22 18 16	3 12 9 12	7 19 5 22	8 7 8 6	12 8 12 13	4 13 5 12	1 13 8 17	3 15 6 7	
Distance	4 7 16 34	11 12 13 25	9 16 10 13	5 13 11 17	11 15 21 19	20 18 18 21	11 13 12 15	7 14 8 13	8 12 9 15	10 18 16 22	

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1563

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord		16			2					
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand			28	25 35 40						
Fraxinus am	19 18	20 16+2	3 17 13	40 23+2	16	82		2 40 2	3 14 3	
F. nigra										
Juglans cin.										
J. nigra		1	2			27 28 37	135	190	110	
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	1		1					1	1	1
Quercus alba			14		60		290	1	210 210	110 70
Q. ellipsoid										
Q. macrocarpa							1			
Q. rubra							65	280		
Q. velutina	111	18+1					180			
Tilia amer										
Ulmus amer										
Ulmus fulva	27 25+2	1	13	19	3 42 45	1		20	23	
Campy		75		65		75		55		65
Seip	14 15 29 28	12 16 7 15	5 15 2 11	19 8 10 12	17 13 15 15	17 12 21 21	21 14 16 20	8 13 15 14	11 30 8 32	8 25 19 23
Distance	11 13 13 10	26 6 6 17	7 21 28 15	6 28 16 27	6 21 10 30	8 10 25 8	6 16 21 27	6 26 13 21	5 15 13 20	23 10 35 22

180
80

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1563

STATION NO.	1	2	3	4	5	6	7	8	9	40
<i>Acer rubrum</i>										
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>	1	1		1	1	3	(13+1)	1	1	1
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>					1					
<i>Fagus grand</i>										65
<i>Fraxinus am</i>	30 14	2 30 20	1 26	2	22	1	20 (20+26+1)	14	18 43	30 35 21
<i>F. nigra</i>										
<i>Juglans cin.</i>								20 15		
<i>J. nigra</i>			95	35 110				15 15	65	
<i>Ostrya virg</i>										1
<i>Populus gran</i>						32 22				
<i>P. tremul</i>										
<i>Prunus serot</i>									1	
<i>Quercus alba</i>	190 290				40 (15+1)	52 (15+1)		21 (1)		
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>			275			12		1		
<i>Q. velutina</i>		86			1					
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>		23	2	15	2	45	55	13	1	23
Canop		60		25		70		50		75
	14 20 15 21	8 13 5 38	19 19 16 27	11 19 16 24	7 12 13 26	13 3 11 18	3 16 6 15	6 15 6 29	11 8 13 18	9 9 6 12
Distance	11 13 25 10	7 13 8 19	13 13 10 20	7 26 8 24	9 14 11 19	4 18 12 13	6 12 7 15	4 16 14 25	8 6 9 17	12 10 7 9

POINT RECORD TREES

SOUTHERN HARDWOODS

Station No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Tree No.										
Species										
Height										
DBH										
Form										
Notes										
Location										
Map										
Sketch										
Photograph										
Other										

N
①

nearly
level

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1563

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>										
1-1 2.2 1.4 5.4 <i>Carya cord</i> 46.4							A-3			
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>			A-5 2Sp							
6-7 13 9.7 34.1 <i>Fraxinus am</i> 228.5		A-5 Sp	A-5 3Sp	A-5 T15 +1T	B-5	A-5 2Sp				
<i>F. nigra</i>										
<i>Juglans cin.</i>										
2-2 4.3 2.8 10.7 <i>J. nigra</i> 67.4	A-4	A-4 Sp +3 diam 5Sp								
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
3-3 6.5 4.2 16.1 <i>Prunus serot</i> 58	A-5 Sd								A-5 Sp	A-5 Sp
10-16 21.7 22.2 65.9 <i>Quercus alba</i> 237.2	A-4		B-4			B-3	B-4 B-3	A-4 A-4 B-4	B-3 A-4	
<i>Q. ellipsoid</i>										
1-2 2.2 2.8 7.5 <i>Q. macrocarpa</i> 7.5						B-3 Sp				
6-1 13 15.3 42.5 <i>Q. rubra</i> 238		B-4	C-4 Sd B-4		B-5 T27+T	A-5 T12+Sp			A-5 T24+1T	
13-24 28.2 33.4 92.4 <i>Q. velutina</i> 231	B-5 Sp	B-4 Sp	B-5 T18+Sp	B-4 T12+Sp	B-4 T17 B-4 T20	B-4 Sd B-4		C-4	A-5 T42	A-5
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
4-6 8.7 8.3 25.5 <i>Ulmus fulva</i> 209.1				B-4 T21+1T		B-3 T18+T	A-3 4Sp		A-5 Sp	
Distance	8 35 14 17	7 17 12 33	7 15 12 22	13 51 15 21	13 21 21 30	11 20 17 22	31 48 16 54	14 38 33 33	14 27 13 45	8 40 12 17

CI = 1323.1

ave
22.4
87/ae

८४

1.26 stem/tree
candy 58, 5%

+ 288.9

12.1%

1563

CI=1803

Crataegus

	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.	4	2																
Quercus ellip.																		
Q. macrocarp.	2	1	10														2	10
Q. velut.	4	2	2	1	1			1	1				2	1			13	9
Prun. serot.	12	7																
Querc. alba	7	4	40	1	10	20	20	1	10				2	2	2		26	18
Pop. grand.				1	1												3	2
Carya ovata																		
Querc. rubra	9	5	2	10		20	1								2	1	13	9
Juglans nig.	5	3	2	10	20	2	1	1	2	2	1		1				22	15
Frax. amer.	117	67	25	18	9	5	3	4	2								96	66
Acer rubrum																		
Tilia amer.			1														2	1
Jug. cinerea																		
Ulmus amer.																		
Celtis occ.																		
Ulm. rubra	45	26	80	130	30	3	1	1	1	1							45	31
Carya cord.	56	32	4	10													7	50
Ostrya virg.	16	9																
Acer sacc.	2	1																

159

Sap CI=2092

157

60

#/acre

279

150.4

40.9

17.5

8.8

7.3

4.4

229

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
 Adiantum pedatum
 Agrimonia gryposepala
 Allium tricoccum
 Amphicarpa braceata 23689
 Anemone quinquefolia
 A. virginiana
 Anemonella thalictroides
 Antennaria sp.
 Aplectrum hiemale
 Apocynum androsaemifolium
 Aquilegia canadensis
 Aralia nudicaulis
 A. racemosa
 Arenaria lateriflora
 ✓ Arisaema atrorubens 45679
 Asarum canadensis
 Aster macrophyllus
 ✓ A. sagittifolius 567
 A. shortii
 Athyrium filix-femina
 ✓ Botrychium virginianum 24810
 Brachyelytrum erectum
 Campanula americana
 Carex albursina 349
 C. pensylvanica 134678910
 Caulophyllum thalictroides
 ✓ Celastrus scandens 347
 Circaea quadrisulcata 8
 Claytonia virginiana
 ✓ Cornus alternifolia
 C. femina 359
 C. rugosa
 ✓ Corylus americana
 Cryptotaenia canadensis 2349
 Cypridium pubescens
 Cystopteris fragilis
 Dentaria laciniata
 Desmodium glutinosum 14678910
 D. nudiflorum
 Dicentra cucullaria
 Dodecatheon meadia
 Dryopteris spinulosa
 Erigeron pulchellus
 Erythronium albidum
 Eupatorium purpureum 1357

Additional species:

Eupatorium rugosum 346
 Festuca obtusa
 ✓ Fragaria virginiana 10
 Galium aparine
 G. circaezans 346
 G. concinnum 23456810
 G. lanceolatum
 G. triflorum 3
 Geranium maculatum 4678910
 Gerardia grandiflora
 Geum canadense
 Goodyera pubescens
 Habenaria bracteata
 Hackelia virginica
 Hamamelis virginiana
 Helianthus strumosus 23467
 Hepatica acutiloba
 Heuchera richardsonii
 Hydrastis canadensis
 Hydrophyllum virginianum
 ✓ Hystrix patula 5
 Impatiens capensis
 I. pallida
 Isopyrum biternatum
 Lactuca biennis
 Laportea canadensis
 Lathyrus ochroleucus
 ✓ Lonicera prolifera
 Lysimachia quadrifolia
 Maianthemum canadensis
 Menispermum canadensis
 Mitella diphylla
 Monarda fistulosa 5
 Orchis spectabilis
 Oryzopsis racemosa
 Osmorhiza clayton. 28910
 O. longistylis
 Osmunda claytoni
 Panax quinquefolia
 Panicum latifolium
 Parietaria pennsylvanica
 ✓ Parthenocissus inserta 347910
 Phlox divaricata
 Phryma leptostachya 2310
 Podophyllum peltatum 10
 Polemonium reptans

✓ Botrych. multif.
 Cirsium altissimum 4
 Prunus virg. 9
 Muehlenbergia schreberi 7

Polygonatum canaliculatum
 Polygonatum pubescens
 Potentilla simplex
 Prenanthes alba
 Pteridium aquilinum
 Pyrola elliptica
 Ranunculus abortivus
 R. recurvatus 23457
 R. septentrionalis
 Rhus radicans
 Ribes americanum
 R. cynosbati 3
 R. missouriense
 Rosa sp.
 Rubus allegheniensis
 ✓ R. occidentalis 457
 R. strigosus
 Sambucus canadensis
 Sanguinaria canadensis
 Sanicula gregaria 14567810
 S. marilandica
 ✓ Smilacina racemosa 568
 S. stellata
 Smilax ecirrhata 6
 ✓ S. herbacea
 S. tamnoides
 Solidago altissima
 S. flexicaulis 5
 S. ulmifolia
 Thalictrum dioicum
 Tovar virginiana
 Trillium cernuum
 T. flexipes
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora 235678
 Veronicastrum virginicum
 Viburnum acerifolium
 ✓ V. rafinesquianum
 Viola cucullata 1239
 V. pubescens
 Vitis aestivalis
 V. riparia
 Xanthoxylum americ. 3
 Zizia aurea

✓ Carex convoluta 3,6
 Carex blanda 3
 Carex 6. 36
 Carex 5

Ulmus 23467910
 Carya cord 34
 Crataegus 610
 Ostrya 8
 Q. rubra 9

SOUTHERN UPLAND HARDWOODS

Presence 1563

- ✓ *Actaea pachypoda* ^{rubra}
 ✓ *Adiantum pedatum* 5
 ✓ *Agrimonia gryposepala*
Amelanchier spp.
 ✓ *Amphicarpa bracteata* 50
Anemonella thalictroides
Apocynum androsaemifolium
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
 ✓ *Arisaema atrorubens* 35
Aster macrophyllus
 ✓ *A. sagittifolius* 25
A. shortii
 ✓ *Athyrium filix-femina*
 ✓ *Botrychium virginianum* 40
 ✓ *Brachyelytrum erectum* 5
 ✓ *Carex albursina* 25
 ✓ *C. convoluta* 15
 ✓ *C. pensylvanica* 80
Caulophyllum thalictroides
 ✓ *Celastrus scandens* 35
 ✓ *Circaea quadrisulcata* 30
 ✓ *Cornus alternifolia*
 ✓ *C. femina* 15
C. rugosa
 ✓ *Corylus americana* 15
 ✓ *Cryptotaenia canadensis* 30
 ✓ *Desmodium glutinosum* 85
D. nudiflorum
 ✓ *Dioscorea villosa* 5
 ✓ *Eupatorium purpureum* 20
 ✓ *E. rugosum* 25
Festuca obtusa
 ✓ *Fragaria virginiana* 5
- ✓ *Galium aparine* 10
 ✓ *G. circaeazans* 20
 ✓ *G. concinnum* 75
G. lanceolatum
 ✓ *G. triflorum* 5
 ✓ *Geranium maculatum* 55
 ✓ *Geum canadense* 10
Hackelia virginiana
 ✓ *Helianthus strumosus* 25
Hepatica acutiloba
Hydrophyllum virginianum
 ✓ *Hystrix patula* 5
Impatiens biflora
 ✓ *Lactuca biennis* 10
Laportea canadensis
Lathyrus ochroleucus
 ✓ *Lonicera prolifera*
 ✓ *Lysimachia quadrifolia* 10
 ✓ *Monarda fistulosa* 5
 ✓ *Osmorhiza claytoni* 40
O. longistylis
Oxalis violacea
 ✓ *Panicum latifolium* 5
Parietaria pensylvanica
 ✓ *Parthenocissus vitacea* 60
Phlox divaricata
 ✓ *Phryma leptostachya* 45
 ✓ *Podophyllum peltatum* 5
Polemonium reptans
 ✓ *Polygonatum canaliculatum*
P. pubescens
Polygonum virginianum
 ✓ *Potentilla simplex*
Prenanthes alba
 ✓ *Prunus virginiana* 5
- ✓ *Pteridium aquilinum* 5
Pyrola elliptica
 ✓ *Ranunculus abortivus* 5
 ✓ *R. recurvatus* 25
R. septentrionalis
 ✓ *Rhus radicans*
 ✓ *R. cynosbati* 5
R. missouriense
Rosa sp.
Rubus allegheniensis
 ✓ *R. occidentalis* 25
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
 ✓ *Sanicula gregaria* 65
S. marilandica
 ✓ *Smilacina racemosa* 35
 ✓ *S. stellata* 5
 ✓ *Smilax ecirrhata* 10
S. herbacea
 ✓ *Solidago canadensis*
 ✓ *S. flexicaulis* 5
S. ulmifolia
Thalictrum dioicum
Triosteum perfoliatum
 ✓ *Uvularia grandiflora* 55
Veronicastrum virginicum
Viburnum acerifolium
 ✓ *V. lentago*
 ✓ *V. rafinesquianum* 5
 ✓ *Viola cucullata* 45
 ✓ *V. pubescens* 5
Vitris aestivalis
 ✓ *V. riparia* 5
 ✓ *Zanthoxylum americanum* 5

Additional species:

- *Asclepias exaltata*
 - *Campanula americana* 10
 - *Cirsium althesimum* 5
 - *Erigeron pulchellus*

- *Aquilegia can.* 5
 - *Botrych. multif.*

- *Carya cord* 25
 - *Crataegus* 10
 - *Fraxinus* 15
 - *Prun. acrot.* 5

- *Ostrya* 5
 - *Pala* 5
 - *Querc* 15
 - *Ulmus* 65

- *Steironema*

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1563
Quadrat No.

1.2
Actaea pachypoda
Adiantum pedatum 2
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 127910
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis 2
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 310
Asarum canadensis
Aster macrophyllus
A. sagittifolius 26
A. shortii
Athyrum filix-femina
Botrychium virginianum 23910
Brachyelytrum erectum 8
Campanula americana 7,9
Carex albursina 49,9
C. pensylvanica 123467910
Caulophyllum thalictroides
Celastrus scandens 13510
Circaea quadrisulcata 12357
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana 367
Cryptotaenia canadensis 78
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 12345678910
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum 47
Festuca obtusa
Fragaria virginiana
Galium aparine 47
G. circaezans 1
G. concinnum 1345679
G. lanceolatum
G. triflorum
Geranium maculatum 156910
Gerardia grandiflora
Geum canadense 37
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 bitermum
Lactuca biennis 79
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia 26
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. 3568
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium 6
Parietaria pennsylvanica
Parthenocissus inserta 1234578
Phlox divaricata
Phryma leptostachya 13458
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum 2
Pyrola elliptica
Ranunculus abortivus 2
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis 24
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 4578910
S. marilandica
Smilacina racemosa 16710
S. stellata 6
Smilax ecirrhata
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 1237
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum 6
Viola cucullata 127910
V. pubescens 4
Vitis aestivalis
V. riparia 5
Xanthoxylum americ.
Zizia aurea

Additional species:

Palba
Ulmus 1456710
Carya cord 157
Pinus strobus 4
Frax 567

Carex convoluta 3
Hioscoca 2
P. rub 610

1563

CI = 1803

Sap - 2092 + 1

H - 303 S

