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POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1530

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord	14									
C. ovata	14		1	19	4	1	1	2	2	1
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg							38 33			
Populus gran						22	36 35	17 (22 23)		52
P. tremul										
Prunus serot	14 (18)	3	23	60 30		1				1
Quercus alba		(15+2) 190	(46) 30	40 25	(2) 22 16	1 (30) 12		(1) 85 107 (30)	1 (17) 3 80- 20	1 62 33 1
Q. ellipsoid										
Q. macrocarpa			(16+1)							
Q. rubra			2							
Q. velutina	(14)	(1) (54) 80			(15 16) +1	(44) (34)			(68) 120 103	(76) 24
Tilia amer					33					
Ulmus amer										
Ulmus fulva						1				
Canopy	70	5	75	75	5	75	70	5	60	75
Distance	17 5 13 11	6 20 13 22	6 11 9 10	12 12 21 7	6 8 7 9	6 12 8 20	8 10 16 7	11 13 12 28	10 13 11 11	7 28 11 17
Saps	2 11 8 17	6 8 17 19	4 19 6 21	12 9 10 21	9 20 21 30	8 18 13 16	10 15 27 24	15 24 12 25	11 32 21 48	3 14 10 20

not
stump

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1530

STATION NO.	11	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i> ^{<i>negundo</i>}								12		
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>			30	35						
<i>C. ovata</i>	16	1 20	31 33 26	3 48 50	1	1	3	25	16+1	1
<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>					90	1		35	15	21 17
<i>P. tremul</i>										
<i>Prunus serot</i>	3	1	1	122	2	22	63	16	2	2
<i>Quercus alba</i>	28 39	55		19	14 15 13 15	32 13+1	1 23 53	1	1	1 2 1
<i>Q. ellipsoid</i>						44	21			
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>	42 95	14	2 81 77 50			1			20	
<i>Q. velutina</i>					75 13	10			75 10	50 36
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>										
<i>Pyrus ioensis</i>		20			10 10	11				
Canopy	5	60	75	5	80	65	5	70	75	5
Distance	9 17 8 12	10 17 10 20	14 14 17 28	8 12 11 26	17 13 17 8	5 15 12 20	10 6 11 17	7 13 11 11	6 12 7 11	20 8 15 22
Saps	15 15 24 9	5 10 12 13	15 19 11 18	18 12 17 12	14 12 8 19	18 9 25 18	3 17 15 45	12 16 12 14	8 15 15 16	7 7 10 11

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1530

STATION NO.	21	2	3	4	5	6	7	8	9	30
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata		83	80 37	88	3	1	55	113 114 23 30 +2	2	21 21 25
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran	50	52			22	39 23				129
P. tremul		2	2		115 112 60	1	1	1	1	1
Prunus serot				73						
Quercus alba	20	1 19 40	14 17	3		24 12	2 19 1	1 72 25 24 38	2 40 24 12	2 13 1
Q. ellipsoid										
Q. macrocarpa					24	1				
Q. rubra	67 2	1	2	208 14	1			1		
Q. velutina	51				74	60	101		38 130	67 53 75
Tilia amer										
Ulmus amer							122			
Ulmus fulva										
Canopy	80	80	5	90	70	5	70	70	5	75
Distance	13 6 8 7	10 15 15 20	8 13 9 14	9 12 14 24	9 7 5 14	5 8 10 22	11 15 16 17	16 19 7 20	7 15 20 27	10 24 7 17
Saps	16 19 17 23	3 9 7 19	8 6 6 16	5 3 19 29	4 13 12 15	5 11 9 25	3 10 11 10	12 13 14 15	15 6 15 18	7 18 3 12

80% cost of trees.

you pay \$ 7.20/ac. to plant.

Investment pd. in 4 yrs.

1530 ←

Observatory
Wds
(See map)

Wds
(See map)

(See map)

N
↑
①

Stumps

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1530

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
4.2 2.8 10.5 C. ovata 47.3		(A-5 T30+2T)		(A-5 3Sp)						
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
2.1 1.4 5.2 Populus gran 22.4			(A-5 T23+1T)							
P. tremul										
2.1 1.4 5.2 Prunus serot 18.7			(C-3 2Sp)		(2Sp A-5)	(A-5)			(A-5 3Sp)	(A-4 Sp)
41.6 35.2 115.2 Quercus alba 414.7	(A-5 Sp)	(A-5 T15+2Sp)	(A-5 B-5 A-4)	(A-4)	(B-4 A-4)	(A-4 A-5 Sp)	(B-3)		(A-5 3Sp)	(A-5 3Sp)
Q. ellipsoid										
Q. macrocarpa										
20.8 36.7 86.2 Q. rubra 482.7	(C-4 T18)	(A-5 T14)	(B-5 B-5)	(C-4 Sp B-5 T94+1T)		(A-5 T30+1T)	(B-4 C-4)	(C-4 C-4)	(A-5 T35+1T)	
29.1 22.6 72.6 Q. velutina 84	(A-5 T55)	(A-5 T16+1T)	(B-5 T76+1T)	(C-4)	(A-5 deal Sp)	(A-5 T50)	(A-5 T36)		(A-5 T50+1T)	
Tilia amer	(A-4 2Sp)									
Ulmus amer										
Ulmus fulva										
Distance	6 20 21 22	8 32 18 20	12 25 19 28	9 10 20 22	11 14 8 20	12 14 31 7	16 15 22 31	12 27 22 26	5 16 16 11	15 6 10 9

Stumps
CF = 1179.8

ave.

16.7
156/ac

CI															Ave B.A. 1530	
Tree	No. : Pts.	No. : Tr.	Dom.	No.Pts. : Sap.	No. : Sap.	F.% : Sap.	D.% : Sap.	II : Seed	F.% : Seed	D.% : Tr.	Dom.% : Tr.	I.I. : Trees	C.I. : Trees	Tr : St		
Acerrubrum	1	1	12							1.2	.8	2	2.2	2.2	12	
A. saccharum																
Carya cord.																Ave. Dist.
C. ovata	14	18	(23) 853	22	36	28.6	30.0	87.9	395.5	16.9	15.0	13.1	45.0	202.5	47.4	34.1
Celtis occiden.																Btw'n Trees ^{saps} 12.8 14.1
Fagus grand.																
Fraxinus amer.																Ave. BA
F. lanceolata																(Total
F. pennsylvani																PA - 80) ^{stem} 54.2 43.7
Juglans cinere																No. Trees
J. nigra																Per acre ^{saps} 265.9 219.1
Ostrya virgin.																Dom. per
Populus grand.	13	19	(20) 771	1	1	1.3	.8	3.2	13.8	15.7	15.8	11.9	43.4	186.6	40.6	38.6
P. tremuloides																acre
Prunus serotin	9	11	(13) 728	19	28	24.7	23.3	72.0	259.2	10.8	9.2	11.2	31.2	112.3	66.2	56
Quercus alba	22	40	(42) 1656	21	37	27.3	30.8	87.1	313.6	26.5	33.3	25.4	85.2	306.7	41.4	34.5
Q. ellipsoidalis																14,411.8
Q. macrocarpa	2	2	40	1	1	1.3	.8	3.2	3.2	2.4	1.7	.6	4.7	4.7	20	
Q. rubra	7	10	(15) 1094	10	14	13.0	11.7	37.0	207.2	8.4	8.3	16.8	33.5	187.6	109.4	72.9
Q. velutina	13	17	(33) 1213	2	2	2.6	1.7	6.4	16.0	15.7	14.2	18.7	48.6	121.5	71.4	52.7
Tilia american																
Ulmus american	1	1	122							1.2	.8	1.9	3.9	17.9	122	
U. rubra				1	1	1.3	.8	3.2	26.2							
Pyrus idensis	1	1	20							1.2	.8	.3	2.3	2.3	20	
	83	120	(141) 6509	77	120	100.1	99.9	306	1234.7	100	99.9	100.1	300	1144.3		

1.24 stems/tree

+90.4

Canopy 73%

1530

CI=1144

10.9%

255-284-314

	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		
ACER Pop. trem. NEG.		1																2	1
PyRUS IDEO Quercus ellip.			1															2	1
Q. macrocarp.	2	1	1															4	2
Q. velut.	4	2	2	3	2	3	4	1	1	1								38	17
Prun. serot.	51	28	3	2	1	2	1			2								24	11
Querc. alba	67	37	13	9	4	6	3	2	1				1					90	40
Pop. grand.	2	1	3	5	5	2	2	1										42	19
Carya ovata	65	36	4	3	6	1		3										40	18
Querc. rubra	26	14	2	1			3	2		1				1				22	10
Juglans nig.																			
Frax. amer.																			
Acer rubrum																			
Tilia amer.																			
Jug. cinerea																			
Ulmus amer.										1								2	1
Celtis occ.																			
Ulm. rubra	2	1																	
Carya cord.																			
Ostrya virg.																			
Acer sacc.																			
	120																	120	29
																			64
			13			10			4										
			12			7			9										
	219		155			69			38			2		2	1				266

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Amelanchier spp. 3
Amphicarpa bracteata 2389
Anemonella thalictroides
Apocynum androsaemifolium
Aralia nudicaulis 47
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum 24910
Brachyelytrum erectum
Carex albursina
C. convoluta
C. pensylvanica 457910
Caulophyllum thalictroides
Celastrus scandens 7
Circaea quadrisulcata 356710
Cornus alternifolia
C. femina 239
C. rugosa
Corylus americana 28910
Cryptotaenia canadensis
Desmodium glutinosum
D. nudiflorum
Dioscorea villosa
Eupatorium purpureum
E. rugosum
Festuca obtusa
Fragaria virginiana 59

Galium aparine
G. circaezans
G. concinnum 23678910
G. lanceolatum
G. triflorum
Geranium maculatum 12678
Geum canadense 9
Hackelia virginiana
Helianthus strumosus
Hepatica acutiloba
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus 8
Lonicera prolifera
Lysimachia quadrifolia 3
Monarda fistulosa 2
Osmorhiza claytoni 5610
O. longistylis
Oxalis violacea
Panicum latifolium
Parietaria pensylvanica
Parthenocissus vitacea 13567810
Phlox divaricata
Phryma leptostachya 2369
Podophyllum peltatum 125
Polemonium reptans
Polygonatum canaliculatum
P. pubescens
Polygonum virginianum
Potentilla simplex
Prenanthes alba
Prunus virginiana 35

Pteridium aquilinum
Pyrola elliptica 36
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
R. cynosbati 47
R. missouriense
Rosa sp.
Rubus allegheniensis 13
R. occidentalis 459
R. strigosus 578
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
Solidago canadensis
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. lentago 2
V. rafinesquianum
Viola cucullata
V. pubescens
Vitris aestivalis
V. riparia 137
Zanthoxylum americanum

Additional species:

- Aquilegia
- Ceanothus americ. 2
- Carya cordiformis 2
- Quercus alba 4
- Carya ovata 567
- Querc. rubra 8

- Nepeta cataria
- Plantago major

Actaea pachypoda
 ✓ Adiantum pedatum
 ✓ Agrimonia gryposepala 5
 Amelanchier spp.
 ✓ Amphicarpa bracteata 20
 Anemonella thalictroides
 ✓ Apocynum androsaemifolium
 ✓ Aralia nudicaulis 5
 ✓ A. racemosa
 Arenaria lateriflora
 Arisaema atrorubens
 Aster macrophyllus
 ✓ A. sagittifolius
 A. shortii
 ✓ Athyrium filix-femina
 ✓ Botrychium virginianum 20
 Brachyelytrum erectum
 Carex albursina
 C. convoluta
 ✓ C. pensylvanica 60
 Caulophyllum thalictroides
 ✓ Celastrus scandens 15
 ✓ Circaea quadrisulcata 70
 Cornus alternifolia
 ✓ C. femina 40
 C. rugosa
 ✓ Corylus americana 35
 Cryptotaenia canadensis
 ✓ Desmodium glutinosum 5
 D. nudiflorum
 Dioscorea villosa
 ✓ Eupatorium purpureum
 ✓ E. rugosum
 Festuca obtusa
 ✓ Fragaria virginiana

Additional species:

- Aquilegia
 - Ceanothus amer. 5
 - Corallorhiza

- Carex cord 5
 - C. ovata 30
 - P. alba 10
 - P. rub. 15

Galium aparine
 G. circaeazans
 ✓ G. concinnum 55
 G. lanceolatum
 G. triflorum
 ✓ Geranium maculatum 60
 ✓ Geum canadense 15
 ✓ Hackelia virginiana
 ✓ Helianthus strumosus
 Hepatica acutiloba
 Hydrophyllum virginianum
 Hystrix patula
 Impatiens biflora
 Lactuca biennis
 Laportea canadensis
 ✓ Lathyrus ochroleucus 5
 ✓ Lonicera prolifera
 ✓ Lysimachia quadrifolia 10
 ✓ Monarda fistulosa 5
 ✓ Osmorhiza claytoni 30
 ✓ O. longistylis 5
 Oxalis violacea
 Panicum latifolium
 ✓ Parietaria pensylvanica
 ✓ Parthenocissus vitacea 80
 Phlox divaricata
 ✓ Phryma leptostachya 35
 ✓ Podophyllum peltatum 20
 Polemonium reptans
 ✓ Polygonatum canaliculatum
 P. pubescens
 Polygonum virginianum
 ✓ Potentilla simplex
 Prenanthes alba
 ✓ Prunus virginiana 20

- Nepeta cataria
 - Plantago major

Pteridium aquilinum
 ✓ Pyrola elliptica 10
 ✓ Ranunculus abortivus
 ✓ R. recurvatus
 R. septentrionalis
 ✓ Rhus radicans 5
 ✓ R. cynosbati 10
 R. missouriense
 ✓ Rosa sp.
 ✓ Rubus allegheniensis 30
 ✓ R. occidentalis 20
 ✓ R. strigosus 20
 ✓ Sambucus canadensis
 Sanguinaria canadensis
 Sanicula gregaria
 S. marilandica
 ✓ Smilacina racemosa 5
 ✓ S. stellata
 ✓ Smilax ecirrhata 5
 ✓ S. herbacea
 ✓ Solidago canadensis
 S. flexicaulis
 S. ulmifolia
 Thalictrum dioicum
 ✓ Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrium virginicum
 Viburnum acerifolium
 ✓ V. lentago 5
 ✓ V. rafinesquianum
 ✓ Viola cucullata
 V. pubescens
 Vitris aestivalis
 ✓ V. riparia 25
 Zanthoxylum americanum

- Rhamnus cathartica 5
 - Verbascum thapsus

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Amelanchier spp.
Amphicarpa bracteata
Anemonella thalictroides
Apocynum androsaemifolium
Aralia nudicaulis

☒ A. racemosa

Arenaria lateriflora
Arisaema atrorubens
Aster macrophyllus
A. sagittifolius
A. shortii

Athyrium filix-femina

Botrychium virginianum 14 17

Brachyelytrum erectum

Carex albursina

C. convoluta

C. pennsylvanica 11 12 13 15 18 19 20

Caulophyllum thalictroides

Celastrus scandens 11 13

Circaea quadrisulcata 11 12 14 16

Cornus alternifolia 20 19 18 17

C. femina 12 13 15 16 17

C. rugosa

Corylus americana 15 20

Cryptotaenia canadensis

Desmodium glutinosum 11

D. nudiflorum

Dioscorea villosa

Eupatorium purpureum

E. rugosum

Festuca obtusa

Fragaria virginiana 12 14

Galium aparine

G. circaezans

G. concinnum 11 13 14 15

G. lanceolatum

G. triflorum

Geranium maculatum 11 12 13 14

Geum canadense 13 26 19 17 15

Hackelia virginiana

Helianthus strumosus

Hepatica acutiloba

Hydrophyllum virginianum

Hystrix patula

Impatiens biflora

Lactuca biennis

Laportea canadensis

Lathyrus ochroleucus

Lonicera prolifera

Lysimachia quadrifolia 11

Monarda fistulosa

Osmorhiza claytoni 11 14 20

O. longistylis 11

Oxalis violacea

Panicum latifolium

Parietaria pennsylvanica

Parthenocissus vitacea 11 12 13

Phlox divaricata 20 19 18 17 15 14

Phryma leptostachya 11 19 20

Podophyllum peltatum 19

Polemonium reptans

Polygonatum canaliculatum

P. pubescens

Polygonum virginianum

Potentilla simplex

Prenanthes alba

Prunus virginiana 12 13

Pteridium aquilinum

Pyrola elliptica

Ranunculus abortivus

R. recurvatus

R. septentrionalis

Rhus radicans 12

R. cynosbati

R. missouriense

Rosa sp.

Rubus allegheniensis 15 18 19 20

R. occidentalis 17

R. strigosus 11

Sambucus canadensis

Sanguinaria canadensis

Sanicula gregaria

S. marilandica

Smilacina racemosa

☒ S. stellata

☒ Smilax ecirrhata 20

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 16 17

Zanthoxylum americanum

- Rhamnus cathartica 17

- Verbascum thapsus

Additional species:

P. alba 11

- Carya ovata 12 13 14

Quercus 15 16

- Corallorhiza

1530

