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Stand # 1550

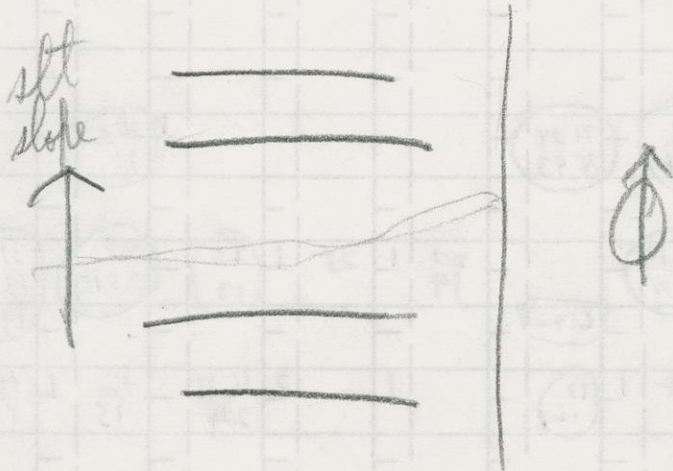
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Stand No. 1550

STATION NO.	1	2	3	4	5	6	7	8	9	10				
Acer rubrum	2613 +4													
A. saccharum		13	3	3	15	2	64 35	1	3	3	17	4	13	4
Betula papy.														
Carpinus car														
Carya cord		17+2												
C. ovata														
Celtis occ														
Crataegus sp.														
Fagus grand														
Fraxinus am														
F. nigra														
Juglans cin.														
J. nigra														
Ostrya virg														
Populus gran														
P. tremul														
Prunus serot				33 22 20 18	35	20 17								
Quercus alba														
Q. ellipsoid														
Q. macrocarpa														
Q. rubra	45 18 25	16 18 35 95	36 24	24 29 28 43				30 33 16						
Q. velutina	29 17 12 + 1													
Tilia amer	20 17 15	2	20	26 12 12 14		27 19	25	20 17	20 23 15	31 18 13 27	12 13	12	16 12 + 11	
Ulmus amer				60 + 2						19 + 6	14			
Ulmus fulva		45	28	13 12			2	16 13 24	16 13	16 16	18			
	7 7 6 22	6 9 11 24	4 10 8 6	8 19 9 12	5 6 11 6	2 7 14 17	2 11 2 9	3 11 7 6	1 7 7 7	11 8 12 9				
Distance	16 10 25 13	6 13 11 17	5 11 8 16	1 13 9 20	3 14 7 19	11 7 12 12	8 6 10 12	6 7 12 22	7 6 14 12	7 6 6 12				
	80			95		100		80		75				

Was red oak woods, clear cut.

Some resprouted, others didn't. Basswood cut too.
Sprouted. Maple, elm come in. Few
large maple at back end.



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1550

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum					14	15				
A. saccharum	2	4	2	1	19 3	21 4	1	3	2 22 4	12
Betula papy.										
Carpinus car										
Carya cord	15 20	1		3					15	
C. ovata	19+3									
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am	13+2				26					
F. nigra										
Juglans cin.										
J. nigra					26					
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot			13					17	36 32	
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra			20 21 28 22 24 2			16 35 31		1		26
Q. velutina			22 18 4 3 24 19 1	19 21 + 4						
Tilia amer		26	27 21 2 28 20 + 1	23 12 15 + 4		20 24 2 14	14 15 18 8 2		1	
Ulmus amer		12 24	15 + 1							
Ulmus fulva	23 23 18	1 24 24 22 13		17 16 17 30	1 13	24 14	1 52 12	37 80		23
	7 8 12 14	8 9 11 9	5 18 7 17	4 9 9 10	5 6 4 8	9 9 5 7	11 8 8 12	7 10 8 11	9 6 7 9	2 8 3 17
Distance	12 3 21 13	2 8 9 12	11 12 6 20	15 8 14 6	11 7 12 7	4 10 8 8	2 14 12 18	10 7 14 16	3 10 4 12	7 14 6 18

90

75

65

75

100

means
at a
stump spot

This was at the red oak - basswood stage & was clear cut. Most of Rd oak were too old to split, altho a few did, few cherry etc could help. If CC oak woods, that's too old, still won't split, of course.

A₀ $\frac{1}{4}$

A₁ $2\frac{1}{2}$

Silt loam - touch of sand

^{5-10°}
Silt N facing slope. at S end, levels off sllty. There ground cover better developed, more of it, oak plants.

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1550

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>	2	4	28	3	2		2	17+5	1	
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>	22+4		13	L		L			23+1	13
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>		14 18	20	L	+				L	
<i>F. nigra</i>										
<i>Juglans cin.</i>		22 13								
<i>J. nigra</i>									14 14	15+1
✓ <i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>	43 22			32		16 23	32	L		
✓ <i>Quercus alba</i>										
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>								39 65		
<i>Q. velutina</i>			19 37 32 23	13 16 17 27				17 18+1		
<i>Tilia amer</i>		13+2	29 28 19+3	28+7	19 18 18 22	27+1		23+1	3 18	23
<i>Ulmus amer</i>	18 24+2				17+1	13+2	38			
<i>Ulmus fulva</i>				12 20	L		14 20	2	17	3 14
							24			
	7 10 10 15	6 8 6 8	6 8 9 12	6 5 7 17	7 9 10 14	3 6 9 11	5 14 3 24	14 10 12 12	6 5 13 10	7 8 7 7
Distance	8 8 4 14	14 17 11 7	14 7 9 12	9 8 7 9	10 6 9 16	8 12 10 22	4 6 5 18	10 12 4 19	3 18 16 22	2 8 3 16

90 90

90

85 90

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1550

STATION NO.	1	2	3	4	5	6	7	8	9	40
Acer rubrum										
A. saccharum		3	3	2			2	1		2
Betula papy.										
Carpinus car										
Carya cord	19		33	1	1			2		
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am				1				1		
F. nigra										
Juglans cin.				37						
J. nigra										
Ostrya virg						35				
Populus gran		34		12	37 29	23 32	33 40			
P. tremul										
Prunus serot		29								1
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra				19 39 38					30 56	+
Q. velutina		+1			12 17 17 18 18 + 3			31 55 + 2	32 27	
Tilia amer	23	20 18 26 + 2	17 + 3				1 52	40 18 61 44	26 23	30 16 + 4
Ulmus amer	25		15 29					39 + 5		25
Ulmus fulva	12 + 1	2	1	14		2 12	3 13	1		14
	7 8 17 11	6 15 13 14	10 21 14 12	4 13 8 22	6 25 14 25	11 14 13 11	6 6 13 12	8 15 10 21	7 9 9 8	3 10 11 15
Distance	10 7 7 12	2 10 7 5	7 10 7 8	12 2 11 10	9 10 15 11	8 6 8 7	4 3 3 14	18 17 14 7	9 3 7 11	4 9 6 17

85 65 90

60 75

45 15
+ 1

CI

AVE. B.A. 1550

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	F. % : Seed	D. % : Seed	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I.I. :	C.I. :	TREE :	STEM :
Acerrubrum			(10)													
A. saccharum	11	16	373	31	79	33.3	49.4	124	1240	9.3	10.1	6.2	25.6	256	23.3	20.7
Carya cord.	9	10	(11) 205	11	14	11.8	8.7	30.7	264	7.6	6.3	3.4	17.3	148.8	20.5	18.6
C. ovata																
Celtis occiden.																
Fagus grand.																
Fraxinus amer.	3	4	65	6	6	6.5	3.7	15.3	102.5	2.5	2.5	1.1	6.1	40.9	16.2	16.2
F. lanceolata																
F. pennsylvani																
Juglans cinere	2	2	(3) 72							1.7	1.3	1.2	4.2	31.9	36	24
J. nigra	3	3	(4) 69	1	1	1.1	.6	2.6	16.4	2.5	1.9	1.1	5.5	34.6	23	17.2
Ostrya virgin.																
Populus grand.	5	9	275	1	1	1.1	.6	2.6	11.2	4.2	5.7	4.6	14.5	62.3	30.6	30.6
P. tremuloides																
Prunus serotin	10	12	(16) 460	2	2	2.2	1.2	5.1	18.4	8.5	7.6	7.6	23.7	85.3	38.3	25.6
Quercus alba																
Q. ellipsoidalis																
Q. macrocarpa																
Q. rubra	10	11	(30) 934	4	4	4.3	2.5	10.2	57.1	8.5	7.0	15.5	31	173.6	84.9	31.1
Q. velutina			(101)													
Tilia american	30	43	2290	15	23	16.1	14.4	45.7	333.6	25.4	27.2	38.0	90.6	661.4	53.3	22.7
Ulmus american	11	14	(16) 385	1	1	1.1	.6	2.6	12.0	9.3	8.9	6.4	24.6	113.2	27.5	24.1
U. rubra	24	34	(43) 894	21	29	22.6	18.1	61	500.2	20.3	21.5	14.8	56.6	464.1	26.3	20.8
			(257)													
	118	158	6022	93	160	100.1	99.8	299.8	2555.4	99.8	100	99.9	299.7	2072.1		

1.63 stem/tree

+ 483.3

Canopy % 82.75

stems

Q. rubra

1	2	3	4	Tot	single	milt	tree	stems	% milt	st/4
1	3	5	2	11	1	10	11	30	90.9	2.73

milt	stems	stems/tree
10	29	2.9

#	% split	% milt
11	100	90.9

Mult. only

Split origin

Q. cocc.

Q. ovata

Q. laevis

Q. prinus

Q. macrocarpa

Q. velutina

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

Q. prinus

1550

CI = 2072

Sap.

12-
1920-
2829-
3839-
5051-
6364-
7879-
9596-
113114-
132133-
153154-
176177-
201202-
254255-
314315-
380381-
452

Pop. trem.

Quercus ellip.

Q. macrocarp.

Q. velut.

Prun. serot. 6

2

3

20

64

10

32

12

16

Querc. alba ✓

Pop. grand. 3

1

1

1

6

1

24

9

Carya ovata

Querc. rubra 12

4

1

4

7

4

10

10

30

11

19

52

Juglans nig. 3

1

20

1

8

30

3

Frax. amer. 17

6

3

1

11

4

Acer rubrum

Tilia amer. 66

23

11

9

24

29

4

12

3

5

13

117

43

58

158

Jug. cinerea

10

1

5

20

3

Ulmus amer. 3

1

6

4

10

2

10

1

38

14

2

5

Celtis occ.

Ulm. rubra 84

29

19

10

5

2

3

1

1

1

92

34

9

24

Carya cord. 40

14

6

3

10

1

27

100

3

Ostrya virg.

Acer sacc. 229

79

11

4

10

10

43

16

2

5

160

158

99

269

Sap CI = 2555

#/acre

463

378

43.2

5.4

427

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum 10
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides 23
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 467
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii 3
Athyrium filix-femina
Botrychium virginianum 268
Brachyelytrum erectum
Campanula americana
Carex albursina 38910
C. pensylvanica 12345678910
✓ Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 1235679
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
✓ Desmodium glutinosum 9
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
✓ Eupatorium purpureum 3

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaeazans
G. concinnum 67
G. lanceolatum
G. triflorum
Geranium maculatum 458
Gerardia grandiflora
Geum canadense 136
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
✓ Hydrastis canadensis
Hydrophyllum virginianum 6
✓ Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 137910
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. 4
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 3458
Parthenocissus inserta 310
Phlox divaricata
Phryma leptostachya
✓ Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 9
✓ Prenanthes alba 9
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
✓ R. septentrionalis 78
✓ Rhus radicans
Ribes americanum
✓ R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
✓ R. occidentalis 8
R. strigosus
Sambucus canadensis
Sanguinaria canadensis 1468
Sanicula gregaria 3489
S. marilandica
Smilacina racemosa 45678
S. stellata
Smilax ecirrhata 5
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
✓ Toxaria virginiana
✓ Trillium cernuum
T. flexipes
T. grandiflorum
✓ T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 1235678910
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Ulmus 1239
Prunus xrt 2368910
Quercus alba 2
Carya cord 368

• Fraxinus am. 6
• Erigeron annuus 3, 4
• Hypericum pyramidatum 2

• Dioscorea 14567
• Oxalis 18
• Aster lateriflorus 1
• Elymus v. 2
B. latifolius 2

SOUTHERN UPLAND HARDWOODS

1550

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

Additional species:

- | | | |
|-----------------------|---------------------------|----------------------|
| - Allium tricocc. 5 | - Hydrastis can. | - Trillium recurv. |
| - Dryopteris asust. 5 | - Hypericum pyramidatum 5 | |
| - Erigeron annuus 10 | - Rosa comp. 5 | - Viola eriocarp. 15 |
| - Elymus villosus 20 | | |
| - Aster laterif. 5 | | |
| | - Acer. sacc. 5 | |
| | - Carya cord. 45 | |
| | - Fraxinus Am. 5 | |
| | - Prun. serot. 45 | |
| | - Q. alba 5 | |
| | - Q. rubra 5 | |
| | - Ulmus 25 | |

10
48
58

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1550
Quadrat No.

Page 2
Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala 15
Allium tricoccum
Amphicarpa braceata 5
Anemone quinquefolia
A. virginiana
Anemonella thalictroides 24
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 56710
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum 125710
Brachyelytrum erectum
Campanula americana
Carex albursina 149
C. pensylvanica 2345789
Caulophyllum thalictroides
Celastrus scandens 310
Circaea quadrisulcata 12345789
Claytonia virginiana
Cornus alternifolia
C. femina 8
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa 8
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum 123578

Eupatorium rugosum 58
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum 3
G. lanceolatum
G. triflorum
Geranium maculatum 89
Gerardia grandiflora
Geum canadense 145710
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 6
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum 2710
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 2
Parietaria pennsylvanica
Parthenocissus inserta 345610
Phlox divaricata
Phryma leptostachya 12
Podophyllum peltatum 1239
Polemonium reptans 4

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis 45678910
Rhus radicans
Ribes americanum
R. cynosbati 79
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis 567
R. strigosus
Sambucus canadensis
Sanguinaria canadensis 13467810
Sanicula gregaria 12346789
S. marilandica 4
Smilacina racemosa 56910
S. stellata
Smilax ecirrhata 89
S. herbacea
S. tamnoides
Solidago altissima 56
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana 5
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum 8
Uvularia grandiflora 89
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 124567910
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

• Carya cord 134589
• Prunus serot 168
• Ulmus 1
• Acer sac 8
Querc rubra 8

• Viola eriocarp 57
• Oxalis 4
• Poa comp 5
• Elymus villosus 78107810

1550

CI=2072

Sap-2555+1

H-340-1

