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Stand # 1542

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1542

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran		25	1	1		1	41 (55 21)	60 5135	36 29 36	38 57
P. tremul		25	1							
Prunus serot	(28 24) 24 22	2 17 14	2	3	1	2 60 20	2	1 (15)	2	1
Quercus alba	14	2	1 25 20 +1 55	13 14 40	1 32 (32 37)	1 16	1 (21+1)	2	12	1
Q. ellipsoid			14 31							
Q. macrocarpa										
Q. rubra			(28)	2 27 43					(1)	1
Q. velutina	(35 45) 26	(55)	(38)	(58) 44	(16 33) 30	(17 22)	(32 12) 56	(1)	(48)	(38) (20)
Tilia amer										
Ulmus amer										
Ulmus fulva										
	16 14 15 14	12 18 23 27	16 26 14 22	3 10 22 20	22 19 23 15	9 15 7 18	8 5 8 36	10 15 8 23	17 10 24 20	20 11 12 18
Distance	3 8 13 13	9 6 4 14	6 5 11 12	12 6 14 21	2 9 16 10	5 15 10 13	12 14 8 19	6 9 9 11	10 12 7 9	2 6 2 8

70 90

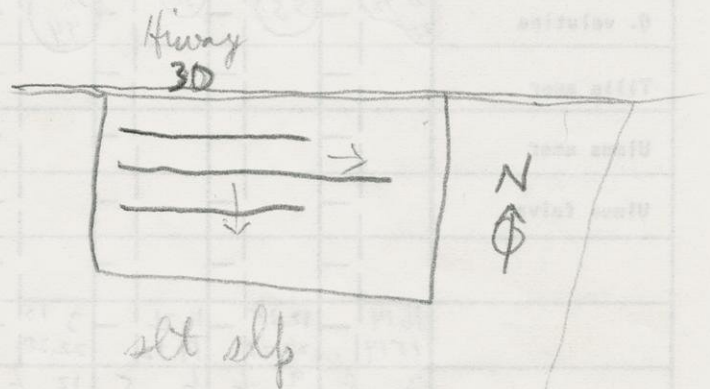
85 65

80 60

60

+ dead ones

nearly clear cut
 Mostly white + black oak, + cherry
 ash came in.



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1542

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>negundo</i> Acer rubrum	15									
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran	1	51 23	1	39 1938		57				
P. tremul										
Prunus serot	(39) (5435)	2-15	1	2 (16)	3 (714)	2	2 (1532)	2 (4043)	4	2 4
Quercus alba + 4 dead 15 →	(43)			(18)	(2337)	(1)	(1)	(13+1) (43)	(1447) (1912)	(23) (4923)
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										(35)
Q. velutina	(31+1)		(1212) 3222	(3225) 4038 5733	(4546) 2724 3720	(4722) +1 1229 69+2	(25) (3526) (2828) (38)		(24+1)	(37)
Tilia amer										
Ulmus amer										
Ulmus fulva										
<i>Sorbus americana</i>										
	2 21 22 32	9 16 12 21	4 15 6 14	9 17 17 24	15 22 5 24	8 10 14 17	3 20 12 25	28 14 22 23	20 22 29 30	14 12 18 8
Distance	7 14 18 16	8 16 9 11	4 10 19 12	5 8 6 17	10 10 10 17	10 15 10 23	13 8 3 7	6 8 15 13	22 13 13 17	13 12 9 19
	85		75	50				90	65	90

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1542

STATION NO.	1	2	3	4	5	6	7	8	9	30
Acer rubrum <i>negundo</i>				21			1			
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord		30					22		1	
C. ovata				L				15	L	
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am								L		
F. nigra										
Juglans cin.	1									
J. nigra										
Ostrya virg										
Populus gran			44	24					17	1
P. tremul						18 47				
Prunus serot	15	2	3	26 28	2	(31)	3	31	4	13
Quercus alba	(12 30 23)	(14 14)	(17 41)	(22 14)		(24 12)	(12)	(31 1)	(52 2)	(20 41)
Q. ellipsoid	17 22 26 26	24 17				(29 13)				
Q. macrocarpa			34		(39 19)					
Q. rubra			70 30 2		(12 46)					(54)
Q. velutina	(16 1)	(35)	40 60		(53 42)			(73 20)		(20)
Tilia amer					(76 45 86)					
Ulmus amer										
Ulmus fulva										
	17 24	26 13	10 10	9 35	13 32	2 9	4 10	8 22	18 10	5 10
	30 35	26 32	23 32	21 23	28 24	30 35	35 35	14 18	12 18	8 17
Distance	8 3	15 12	6 14	11 10	8 15	7 8	7 6	8 10	13 11	13 4
	6 12	7 14	10 18	20 7	8 15	16 15	9 12	8 14	11 11	18 13
	75	20	75	80	90	75	85			

+5 dead
saps

CI																	Av. B.A. 1542	
Tree	No.	No.	Dom.	No. Pts.	No.	F. %	D. %	II	F. %	F. %	D. %	Dom. %					TREE	SAP
	Pts.	Tr.		Sap.	Sap.	Sap.	Sap.	Seed	Seed	Tr.	Tr.	Trees	I.I.	C.I.				
Acerrubrum																		
A. saccharum																		
Carya cord.	2	2	52	5	5	6.6	4.2	16.2	139.3	2.4	1.7	.9	5.0	43	26	26	Ave. Dist.	
C. ovata	1	1	15	2	2	2.6	1.7	6.5	29.2	1.2	.8	.3	2.3	10.3	15	15	Btw'n Trees	
Celtis occiden.																	10.7	SAP. 17.5
Fagus grand.																		
Fraxinus amer.	1	1	164	1	1	1.3	.8	3.2	21.4	1.2	.8	2.8	4.8	32.2	164	41	Ave. BA	
F. lanceolata																	(Total	
F. pennsylvani																	PA ÷ 80)	STEM 30.8
Juglans cinere				1	1	1.3	.8	3.2	24.3								No. Trees	
J. nigra																	Per acre	SAP. 380.5 142.2
Ostrya virgin.			21															
Populus grand.	11	20	790	9	9	11.8	7.5	28.9	124.3	13.1	16.7	13.5	43.3	186.2	39.5	37.6	Dom. per	
P. tremuloides			40														acre	
Prunus serotin	20	30	1059	30	69	39.5	57.5	145.5	523.8	23.8	25.0	18.1	66.9	240.8	35.3	26.5	18,568.4	
Quercus alba	19	28	1100	14	17	18.4	14.2	48.9	176	22.6	23.3	18.8	64.7	232.9	39.3	24.4		
Q. ellipsoidalis																		
Q. macrocarpa			12															
Q. rubra	6	7	695	6	8	7.9	6.7	21.9	122.6	7.1	5.8	11.9	24.8	138.9	99.3	38.6		
Q. velutina	21	28	1742	4	4	5.3	3.3	12.9	32.2	25	23.3	29.7	78.0	195	62.2	32.3		
Tilia american																		
Ulmus american	1	1	207	1	1	1.3	.8	3.2	14.7	1.2	.8	3.5	5.5	25.3	207	69		
U. rubra																		
Acer negundo	2	2	36	2	2	2.6	1.7	6.5	6.5	2.4	1.7	.6	4.7	4.7	18	18		
Sorbus americana			190	1	1	1.3	.8	3.1	3.1									
	84	120	5860	76	120	99.9	100	300	1217.4	100	99.9	100.1	300	1109.3				

1.58 stem/tree

Canopy 75.75%

+108.1

1215

stem	1	2	3	4	5	Total	single	multiple	trees	stems	% mult	st/ tree	Only mult %			#	split origin	
													mult	stems	slr/ tree		% split	% mult.
Q. alba	15	11	1		1	28	15	13	28	45	46.4	1.61	13	30	2.31	26	92.9	50
Q. rubra	3	1		2	1	7	3	4	7	18	57.1	2.57	4	15	3.75	7	100	57.1
Q. vel.	13	7	5	3		28	13	15	28	54	53.6	1.93	15	41	2.73	28	100	53.6
							31	32	63	117	50.8	1.86	32	86	2.69			
Q. rubra-vel							16	19	35	72	54.3	2.06	19	56	2.95	35	100	54.3

Ave. HA
 (Total
 HA = 80)
 No. Trees
 Per acre
 Don. per
 acre

U. rubra
 U. americana
 Tilia americana
 Q. velutina
 Q. rubra
 Q. macrocarpa
 Q. elliptica
 Quercus alba
 Quercus serotina
 F. pennsylvanica
 Populus grand.
 Castor virgin.
 J. nigra
 Quercus cinerea
 F. pennsylvanica
 F. lanceolata
 Fraxinus americana

1542

CI = 1109

Acer
neg.

	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.	2	2	1	1														6	2
Quercus ellip.																			
Q. macrocarp.																			
Q. velut.	5	4	2	5①	11⑤	4⑥	4⑥	2③										89	28②683
Forbus americana	1	1																	
Prun. serot.	83	69	12①	6④	5②	3②	4①											96	30⑩31
Querc. alba	20	17	9①	7⑤	6④	5③	1②											89	28⑦53
Pop. grand.	11	9	2	3	6	3	6①											63	20①3
Carya ovata	2	2	1															3	1
Querc. rubra	9	8		1	1	2④	2③	1④										22	7⑪35
Juglans nig.																			
Frax. amer.	1	1				1③												3	1③9
Acer rubrum																			
Tilia amer.																			
Jug. cinerea	1	1																	
Ulmus amer.	1	1						1③										3	1②6
Celtis occ.																			
Ulm. rubra																			
Carya cord.	6	5		1	1													6	2
Ostrya virg.																			
Acer sacc.																			

120

120⑦0

220

Sap CI = 1217

#/acre

142

256.8

120.4

3.2

380

Dane Co.

Univ. of Wisconsin

8N11E SW33

Stand No. 1542

Quadrat No.

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

✓ Actaea pachypoda
 Adiantum pedatum
 Agrimonia gryposepala
 Allium tricoccum
 Amphicarpa braceata 356
 Anemone quinquefolia
 A. virginiana
 Anemonella thalictroides
 Antennaria sp.
 Aplectrum hiemale
 ✓ Apocynum androsaemifolium 6
 Aquilegia canadensis
 ✓ Aralia nudicaulis 12356910
 ✓ A. racemosa 12356
 Arenaria lateriflora
 ✓ Arisaema atrorubens
 Asarum canadensis
 Aster macrophyllus
 A. sagittifolius 3
 A. shortii
 Athyrium filix-femina
 Botrychium virginianum
 Brachyelytrum erectum
 Campanula americana
 Carex albursina
 C. pensylvanica 34
 Caulophyllum thalictroides
 Celastrus scandens
 Circaea quadrisulcata 1247910
 Claytonia virginiana
 Cornus alternifolia
 ✓ C. femina 5
 C. rugosa
 Corylus americana
 Cryptotaenia canadensis
 Cypridium pubescens
 Cystopteris fragilis
 Dentaria laciniata
 ✓ Desmodium glutinosum 3457
 D. nudiflorum
 Dicentra cucullaria
 Dodecatheon meadia
 Dryopteris spinulosa
 Erigeron pulchellus
 Erythronium albidum
 Eupatorium purpureum

Additional species:

• Prun. virg. 1248
 • Carya cord. 13

Eupatorium rugosum 8
 Festuca obtusa
 Fragaria virginiana
 Galium aparine 8
 G. circaezans
 G. concinnum 1378
 G. lanceolatum
 G. triflorum
 Geranium maculatum 124578
 Gerardia grandiflora
 Geum canadense 238
 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 biternatum
 Lactuca biennis 3
 Laportea canadensis
 Lathyrus ochroleucus
 ✓ Lonicera prolifera
 Lysimachia quadrifolia
 Maianthemum canadensis
 Menispermum canadensis
 Mitella diphylla
 Monarda fistulosa
 Orchis spectabilis
 Oryzopsis racemosa
 Osmorhiza clayton. 12345678910
 O. longistylis 789
 Osmunda claytoni
 Panax quinquefolia
 Panicum latifolium
 Parietaria pennsylvanica
 Parthenocissus inserta 124567
 Phlox divaricata
 Phryma leptostachya 12357910
 Podophyllum peltatum
 Polemonium reptans

✓ Rhamnus celtica
 ✓ Pilea pumila
 • Homocidus cardiaca

Polygonatum canaliculatum
 Polygonatum pubescens
 Potentilla simplex
 Prenanthes alba
 ✓ Pteridium aquilinum 48
 Pyrola elliptica
 Ranunculus abortivus 210
 R. recurvatus
 R. septentrionalis
 Rhus radicans 12348
 Ribes americanum
 ✓ R. cynosbati
 R. missouriense
 Rosa sp.
 Rubus allegheniensis
 R. occidentalis 167
 R. strigosus 578
 ✓ Sambucus canadensis 10
 Sanguinaria canadensis
 Sanicula gregaria 4

S. marilandica
 ✓ Smilacina racemosa 23456789
 S. stellata
 Smilax ecirrhata 5
 S. herbacea
 S. tamnoides
 Solidago altissima 8
 S. flexicaulis
 S. ulmifolia
 Thalictrum dioicum
 Tovar virginiana
 Trillium cernuum
 T. flexipes
 T. grandiflorum
 T. recurvatum
 Triosteum perfoliatum
 ✓ Uvularia grandiflora 457
 Veronicastrum virginicum
 Viburnum acerifolium
 V. rafinesquianum
 Viola cucullata 8
 V. pubescens
 Vitis aestivalis
 V. riparia
 Xanthoxylum americ.
 Zizia aurea

✓ Viburnum lentago 34
 • Viola eriocarpa 8

SOUTHERN UPLAND HARDWOODS

- | | | |
|---------------------------------------|------------------------------------|----------------------------------|
| ✓ <i>Actaea pachypoda</i> | ✓ <i>Galium aparine</i> 5 | ✓ <i>Pteridium aquilinum</i> 10 |
| <i>Adiantum pedatum</i> | <i>G. circaeazans</i> | <i>Pyrola elliptica</i> |
| <i>Agrimonia gryposepala</i> | ✓ <i>G. concinnum</i> 25 | ✓ <i>Ranunculus abortivus</i> 10 |
| <i>Amelanchier</i> spp. | <i>G. lanceolatum</i> | <i>R. recurvatus</i> |
| ✓ <i>Amphicarpa bracteata</i> 30 | <i>G. triflorum</i> | <i>R. septentrionalis</i> |
| <i>Anemonella thalictroides</i> | ✓ <i>Geranium maculatum</i> 70 | ✓ <i>Rhus radicans</i> 45 |
| ✓ <i>Apocynum androsaemifolium</i> 10 | ✓ <i>Geum canadense</i> 45 | ✓ <i>R. cynosbati</i> 5 |
| ✓ <i>Aralia nudicaulis</i> 65 | <i>Hackelia virginiana</i> | <i>R. missouriense</i> |
| ✓ <i>A. racemosa</i> | ✓ <i>Helianthus strumosus</i> 5 | <i>Rosa</i> sp. |
| ✓ <i>Arenaria lateriflora</i> 5 | <i>Hepatica acutiloba</i> | ✓ <i>Rubus allegheniensis</i> 5 |
| <i>Arisaema atrorubens</i> | <i>Hydrophyllum virginianum</i> | ✓ <i>R. occidentalis</i> 20 |
| <i>Aster macrophyllus</i> | ✓ <i>Hystrix patula</i> 5 | ✓ <i>R. strigosus</i> 25 |
| ✓ <i>A. sagittifolius</i> 5 | <i>Impatiens biflora</i> | ✓ <i>Sambucus canadensis</i> 5 |
| <i>A. shortii</i> | ✓ <i>Lactuca biennis</i> 10 | <i>Sanguinaria canadensis</i> |
| <i>Athyrium filix-femina</i> | <i>Laportea canadensis</i> | ✓ <i>Sanicula gregaria</i> 10 |
| ✓ <i>Bettrychium virginianum</i> 5 | <i>Lathyrus ochroleucus</i> | <i>S. marilandica</i> |
| <i>Brachyelytrum erectum</i> | ✓ <i>Lonicera prolifera</i> | ✓ <i>Smilacina racemosa</i> 85 |
| <i>Carex albursina</i> | <i>Lysimachia quadrifolia</i> | <i>S. stellata</i> |
| <i>C. convoluta</i> | <i>Monarda fistulosa</i> | ✓ <i>Smilax ecirrhata</i> 5 |
| ✓ <i>C. pensylvanica</i> 25 | ✓ <i>Osmorhiza claytoni</i> 85 | <i>S. herbacea</i> |
| ✓ <i>Caulophyllum thalictroides</i> 5 | ✓ <i>O. longistylis</i> 35 | ✓ <i>Solidago canadensis</i> 15 |
| <i>Celastrus scandens</i> | <i>Oxalis violacea</i> | <i>S. flexicaulis</i> |
| ✓ <i>Circaea quadrisulcata</i> 50 | <i>Panicum latifolium</i> | <i>S. ulmifolia</i> |
| <i>Cornus alternifolia</i> | <i>Parietaria pensylvanica</i> | <i>Thalictrum dioicum</i> |
| ✓ <i>C. femina</i> 20 | ✓ <i>Parthenocissus vitacea</i> 70 | <i>Triosteum perfoliatum</i> |
| <i>C. rugosa</i> | <i>Phlox divaricata</i> | ✓ <i>Uvularia grandiflora</i> 25 |
| ✓ <i>Corylus americana</i> 5 | ✓ <i>Phryma leptostachya</i> 75 | <i>Veronicastrum virginicum</i> |
| <i>Cryptotaenia canadensis</i> | <i>Podophyllum peltatum</i> | <i>Viburnum acerifolium</i> |
| ✓ <i>Desmodium glutinosum</i> 40 | <i>Polemonium reptans</i> | ✓ <i>V. lentago</i> 10 |
| <i>D. nudiflorum</i> | <i>Polygonatum canaliculatum</i> | <i>V. rafinesquianum</i> |
| <i>Dioscorea villosa</i> | <i>P. pubescens</i> | ✓ <i>Viola cucullata</i> 5 |
| <i>Eupatorium purpureum</i> | <i>Polygonum virginianum</i> | <i>V. pubescens</i> |
| ✓ <i>E. rugosum</i> 10 | <i>Potentilla simplex</i> | <i>Vitris aestivalis</i> |
| <i>Festuca obtusa</i> | <i>Prenanthes alba</i> | ✓ <i>V. riparia</i> 5 |
| <i>Fragaria virginiana</i> | ✓ <i>Prunus virginiana</i> 35 | <i>Zanthoxylum americanum</i> |

Additional species:

- 6
44
50
- *Erigeron pulch*
 - *Oryzopsis racemosa* 5
 - *Pilea pumila*
 - *Rhamnus cath.*
 - *Leonurus cardiaca*
 - *Viola oriscarpa* 5

- *Carya cord.* 10
- *Pop. grand.* 10
- *Prun. serot.* 5
- *Ulmus* 15

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1542
Quadrat No.

Page 2

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 127
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium 1
Aquilegia canadensis
Aralia nudicaulis 456789
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 7
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athrium filix-femina
Botrychium virginianum 1
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 1910
Caulophyllum thalictroides 8
Celastrus scandens
Circaea quadrisulcata 235
Claytonia virginiana
Cornus alternifolia
C. femina 178
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 1246
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum 5
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum 13
G. lanceolatum
G. triflorum
Geranium maculatum 234567910
Gerardia grandiflora
Geum canadense 134567
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 1
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula 3
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 9
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa 2
Osmorhiza clayton. 12457810
O. longistylis 3679
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 1234568
Phlox divaricata
Phryma leptostachya 123456910
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 46810
Ribes americanum
R. cynosbati 5
R. missouriense
Rosa sp.
Rubus allegheniensis 6
R. occidentalis 3
R. strigosus 12
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 7
S. marilandica
Smilacina racemosa 134567910
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima 15
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora 29
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
? Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia 2
Xanthoxylum americ.
Zizia aurea

Additional species:

• Prun virginiana 7810
• Populus grand 69
• Ulmus 679
• Prun serot 9

1542

CI=1109

Sap-1217 S

H-315 +2

