



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 1549: Iowa County, Township 7N, Range 5E, Section 36, SE 1/4.

[s.l.]: [s.n.], [s.d.]

<https://digital.library.wisc.edu/1711.dl/BSRE6WSUNEP4O9A>

This material may be protected by copyright law (Title 17, US Code).

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1549

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>	55 80 18	36 61	2	19	70	12	12X +1	1	13+2	110 22
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>										
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>			38 17	37 21+1	3		12 +1		33	1
<i>F. nigra</i>										
<i>Juglans cin.</i>						14 14 13+2		20		
<i>J. nigra</i>										
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>							12			
<i>Quercus alba</i>		42			DS=	105	37	18 12+1	310	
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>	12X +2			1	12X +2	1		22	13+2	68
<i>Q. velutina</i>										
<i>Tilia amer</i>	12 16 19	1	53	2	39 33	1	37	12X+2	14+2	2
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>										
	8 10	10 3	12 13	7 12	8 5	11 3	1 4	4 6	12 8	12 9
	10 9	1 5	10 13	8 14	10 7	5 7	3 7	15 4	12 17	10 9
Distance	7 14 9 12	12 21 10 11	6 8 7 16	8 11 8 10	7 17 8 19	5 11 7 12	11 4 11 20	10 13 11 13	16 3 9 9	16 11 5 12
	65	85		75	50		50	65		80

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1549

STATION NO.	1	2	3	4	5	6	7	8	9	210
Acer rubrum										
A. saccharum	1	1	(1) 290		(12X) (20+1)	1		(1)	(1)	(1)
Betula papy.										
Carpinus car										
Carya cord							13	(1)	(14+1)	
C. ovata				79						
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am		1	(1)	1	1		(1) 12	(12/13)	(14+5)	
F. nigra							+4 dead	+2 dead		
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot								(16+1)	12X	
Quercus alba	(15)	(12)	(1) (12+1)	(15)	(18+2)	(12)	(12)	(12X)	(12X)	
Q. ellipsoid		left over	44	(23)						
Q. macrocarpa		(16)								
Q. rubra	(23+1)	(15+1)	(13+1)	(12X)	70 yrs	(12)	(13)	(21/25)	(22)	
Q. velutina		(13+2)	(21+2)	(+1)				(28/25)	(+1)	
Tilia amer	2	(12X)		(1)	3	12		12X	3	
Ulmus amer	(1)	(+3)		1		19	2		2	(12+1)
Ulmus fulva										
	6 11	5 11	5 7	7 6	3 6	7 2	2 5	6 7	3 4	7 4
	11 16	11 12	6 8	7 7	3 10	7 11	4 10	7 6	4 6	10 10
Distance	14 6	19 8	19 19	9 12	16 7	15 7	18 8	11 13	14 13	3 12
	12 20	6 8	6 7	14 19	18 3	13 14	4 12	12 17	10 21	9 14
	55		75	65		65	75		70	60

50 yrs. cap split

45 yrs.

21/25 +2

Nearly CC 10-15 yrs. ago.
Soils thinned in places.

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1549

STATION NO.	1	2	3	4	5	6	7	8	9	30
Acer rubrum							16+1	39		
A. saccharum	23	1	12	20 21 22	17+2 16+8	12x +1	39 14	39 30	2	
Betula papy.										
Carpinus car										
Carya cord	1	1	12 14	2				14+1		1
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand			107+1							
Fraxinus am		15	15 30 17 14 17				1			
F. nigra			+2 dead							
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	18+ 1	14			34					1
Quercus alba						85 101	13 +1			17
Q. ellipsoid										
Q. macrocarpa		17								
Q. rubra	12x +1	14 20+2	24 33+2					17 26+1		18 22
Q. velutina										
Tilia amer	15 17+2	2	3	12x 16	13 14 15 15 +6	12 21+3 2 13 18	2	15 15 13 17+6	12 12x 17 14+2	1
Ulmus amer								12x +2		
Ulmus fulva										1
	3 7 3 12	5 8 6 11	6 11 10 9	6 2 7 11	13 6 8 9	3 7 7 7	4 11 8 7	8 10 9 12	7 9 8 17	6 6 6 1
Distance	14 11 7 11	4 7 4 25	13 8 8 20	10 15 15 16	8 20 11 14	12 11 9 16	17 10 7 26	12 7 6 16	11 3 17 17	13 18 18 11

75 80

85 65

80 65

Soil A₀ $\frac{1}{8} - \frac{1}{4}$ "

A₁ 3"

1549

CT = 2007

	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.																		
Quercus ellip.																		
Q. macrocarp.																		
Q. velut.																		
Prun. serot.	18	3	5	1													16	6
Querc. alba	37	6	12①	2	1	2		1	1						11		52	20①3
Pop. grand.																		
Carya ovata								1									3	1
Querc. rubra	12	2	11①	11③	1①		1										63	24①19
Juglans nig.																		
Frax. amer.	67	11	5②	4⑤													23	9①19
Acer rubrum																		
Tilia amer.	338	55	26②	1	2	1①	1										81	31①23
Jug. cinerea			1②	1													5	2②5
Ulmus amer.																		
Celtis occ.																		
Ulm. rubra	6	1																
Carya cord.	67	11	4①														10	4①3
Ostrya virg.																		
Acer sacc.	190	31	10	4①	2	2①	1	1	1②	1①						1	60	23⑤13
	120																	120 ③2

Sap CI = 22335

#/acre

735

271.4

23.4

13.1

5.2

313

CI

AVBA 1549

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	II : Seed	F. % : Seed	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. : I. I.	C. I. : C. I.	Tr. : Tr.	St. : St.
Acerrubrum			(28)													
A. saccharum	17	23	1111	23	31	29.9	25.8	83.5	835	19.3	19.2	28.5	67.0	670	48.3	39.7
Carya cord.	4	4	(5) 67	8	11	10.4	9.2	29.4	252.8	4.5	3.3	1.7	9.5	81.7	16.7	13.4
C. ovata	1	1	79							1.1	.8	2.0	3.9	17.6	79	79
Celtis occiden.																
Fagus grand.			(16)													
Fraxinus amer.	8	9	317	9	11	11.7	9.2	31.3	209.7	9.1	7.5	8.1	24.7	165.5	35.2	19.8
F. lanceolata																
F. pennsylvani			(4)													
Juglans cinere	2	2	61							2.3	1.7	1.6	5.6	42.6	30.5	15.2
J. nigra																
Ostrya virgin.																
Populus grand.																
P. tremuloides																
Prunus serotin	6	6	106	3	3	3.9	2.5	9.6	34.6	6.8	5.0	2.7	14.5	52.2	17.7	17.7
Quercus alba	15	20	(21) 843	4	6	5.2	5.0	15.3	55.1	17.0	16.7	21.6	55.3	199.1	42.1	40.1
Q. ellipsoidalis																
Q. macrocarpa			(31)													
Q. rubra	17	24	627	2	2	2.6	1.7	6.4	35.8	19.3	20.0	16.1	55.4	310.2	26.1	20.2
Q. velutina			(40)													
Tilia american	18	31	693	27	55	35.1	45.8	121.3	885.5	20.5	25.8	17.8	64.1	467.9	22.4	17.3
Ulmus american																
U. rubra				1	1	1.3	.8	3.2	26.2							
			(152)													
	88	120	3904	77	120	100.1	100	300	2334.7	99.9	100	100.1	300	2006.8		

Ave. Dist.
Btw'n Trees

11.8 ^{sap} 7.7

Ave. BA
(Total
BA ÷ 80) ^{stem} 32.5 25.7

No. Trees
Per acre ^{sap} 312.8 734.7

Dom. per
acre

10,166

1.27 stems/tree

+327.9

Canopy 69.2%

Q. alla	1	2	Tot.	single	mult.	trees	stems	% mult	st/h	mult. only			#	% of tot	% mult.
										mult	stem	st/h			
Q. alla	19	1	20	19	1	20	21	5	1.05	1	2	2	14	70	7.1
Q. rubra	17	7	24	17	7	24	31	29.2	1.29	7	14	2	23	95.8	30.4
				36	8	44	52	18.2	1.18	8	16	2			

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1549
Quadrat No.

Actaea pachypoda (18)
✓ Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 469141516
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
✓ Aralia nudicaulis 7912
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 3
Asarum canadensis
Aster macrophyllus
A. sagittifolius 10121415
A. shortii 717
Athyrum filix-femina
Botrychium virginianum 6111519
Brachyelytrum erectum (14)
Campanula americana
Carex albursina 123611121314151618
C. pennsylvanica 1678910111714151617
Caulophyllum thalictroides
Celastrus scandens (13)
Circaea quadrisulcata 2346917
Claytonia virginiana
Cornus alternifolia 4
C. femina 58161719
C. rugosa
Corylus americana
✓ Cryptotaenia canadensis 31417
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 58101314
D. nudiflorum 5719
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
✓ Eupatorium purpureum 23491416

✓ Eupatorium rugosum 234679101112
Festuca obtusa
Fragaria virginiana 8915
Galium aparine (16)
G. circaezans
G. concinnum 1245791015
G. lanceolatum
G. triflorum
Geranium maculatum 1258910111214
Gerardia grandiflora
Geum canadense 24
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 1810131420
Hepatica acutiloba 7891012
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum 13
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 41020
Laportea canadensis
Lathyrus ochroleucus 1
Lonicera prolifera (18)
Lysimachia quadrifolia 810
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. 41316
O. longistylis
Osmunda claytoni
✓ Panax quinquefolia
Panicum latifolium 467891011
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 11015
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
✓ Potentilla simplex 29
Prenanthes alba 789
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis 49101417
Rhus radicans 56711121820
Ribes americanum
R. cynosbati
R. missouriense
✓ Rosa sp. (18)
Rubus allegheniensis (15)
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis 114
Sanicula gregaria 1234589101417
S. marilandica
✓ Smilacina racemosa 8
S. stellata
✓ Smilax ecirrhata
✓ S. herbacea
S. tamnoides
Solidago altissima 618
S. flexicaulis 12345678910111314
S. ulmifolia
✓ Thalictrum dioicum 8121314
✓ Tofieldia virginiana
Trillium cernuum
✓ T. flexipes gleasonii
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora 41213
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 1231418
V. pubescens
Vitis aestivalis
V. riparia (18)
✓ Xanthoxylum americ.
Zizia aurea

Additional species:

Alnus 1112
Catalpa
Fraxinus 16101117
Quercus 24567811131617
Liriodendron 217
Q. rubra 5
Palma 6
Tilia 715
P. virginiana 1018
Amelanchier 1918
Corylus 1517
Monarda

Opalis (13) 20
Taraxacum 111220
Cirsium 91420
Coralorrhiza maculata (13)
Comandra richardsonii 14, 17, 19

- Ceanothus 1
- ✓ Vib. lentago
- Vib. acerifolia 31317
- Diervilla lonicera 7
- ✓ Asclepias sp. 14

SOUTHERN UPLAND HARDWOODS

1549

~~Actaea~~ pachypoda 5
~~Adiantum~~ pedatum
 Agrimonia gryposepala
~~Amelanchier~~ spp.
~~Amphicarpa~~ bracteata 30
 Anemonella thalictroides
 Apocynum androsaemifolium
~~Aralia~~ nudicaulis 15
 A. racemosa
 Arenaria lateriflora
~~Arisaema~~ atrorubens 5
 Aster macrophyllus
~~A.~~ sagittifolius 20
~~A.~~ shortii 10
 Athyrium filix-femina
~~Botrychium~~ virginianum 20
~~Brachyelytrum~~ erectum 5
 Carex albursina
~~C.~~ convoluta 60
~~C.~~ pensylvanica 70
 Caulophyllum thalictroides
~~Celastrus~~ scandens 5
~~Circaea~~ quadrisulcata 30
~~Cornus~~ alternifolia 5
~~C.~~ femina 25
 C. rugosa
 Corylus americana
~~Cryptotaenia~~ canadensis 15
~~Desmodium~~ glutinosum 25
~~D.~~ nudiflorum 15
 Dioscorea villosa
~~Eupatorium~~ purpureum 30
~~E.~~ rugosum 75
 Festuca obtusa
~~Fragaria~~ virginiana 15

Additional species:

- Ceanothus 5
 - Asclepias exaltata
 - Diervilla laevis 5
 - Corallorhiza innata 5
 - Comandra richardsonii 15
 - Cirsium 15

- Acer sacc. 60
 - Carya cord 10
 - Crataegus 5
 - Fraxinus 25

~~Galium~~ aparine 5
 G. circaeans
~~G.~~ concinnum 40
 G. lanceolatum
 G. triflorum
~~Geranium~~ maculatum 55
~~Geum~~ canadense 10
 Hackelia virginiana
~~Helianthus~~ strumosus 30
~~Hepatica~~ acutiloba 25
~~Hydrophyllum~~ virginianum 10
 Hystrix patula
 Impatiens biflora
~~Lactuca~~ biennis 15
 Laportea canadensis
~~Lathyrus~~ ochroleucus 5
~~Lonicera~~ prolifera 5
~~Lysimachia~~ quadrifolia 10
 Monarda fistulosa
~~Osmorhiza~~ claytoni 15
 O. longistylis
~~Oxalis~~ violacea 10
~~Paricum~~ latifolium 40
 Parietaria pensylvanica
 Parthenocissus vitacea
 Phlox divaricata
~~Phryma~~ leptostachya 15
 Podophyllum peltatum
 Polemonium reptans
 Polygonatum canaliculatum
 P. pubescens
~~Polygonum~~ virginianum
~~Potentilla~~ simplex 10
~~Prenanthes~~ alba 15
~~Prunus~~ virginiana 10

- Panax quinquefolium
 - Monotropa uniflora

- Prunus serot 10
 - Galba 5
 - Prunus 5
 - Ulmus 15
 - Tilia 10

Pteridium aquilinum
 Pyrola elliptica
 Ranunculus abortivus
 R. recurvatus
~~R.~~ septentrionalis 25
~~Rhus~~ radicans 35
 R. cynosbati
 R. missouriense
~~Rosa~~ sp. 5
~~Rubus~~ allegheniensis 5
 R. occidentalis
 R. strigosus
 Sambucus canadensis
~~Sanguinaria~~ canadensis 10
~~Sanicula~~ gregaria 60
 S. marilandica
~~Smilacina~~ racemosa 5
 S. stellata
~~Smilax~~ ecirrhata
~~S.~~ herbacea
~~Solidago~~ canadensis 10
~~S.~~ flexicaulis 85
 S. ulmifolia
~~Thalictrum~~ dioicum 20
 Triosteum perfoliatum
~~Uvularia~~ grandiflora 15
 Veronicastrum virginicum
 Viburnum acerifolium
~~V.~~ lentago
 V. rafinesquianum
~~Viola~~ cucullata 25
 V. pubescens
 Vitris aestivalis
~~V.~~ riparia 5
~~Zanthoxylum~~ americanum

- Trillium glaberrimum
 - Viola eriocarpa 15
 - Taraxacum 15

#1549

CI = 2007

Sap - 2335 +1

H - 340 -1

