



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 1829: Jefferson County, Township 7N, Range 13E, Section 8. 1957-09-27

[s.l.]: [s.n.], 1957-09-27

<https://digital.library.wisc.edu/1711.dl/DGDP6PAP6TCLE8A>

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.

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 51729

Name:

County: Jeff.

Date: Sept 27

Size of Stand: 10 acres

Forest Type: oak, Black + white

Topography: rolling

Locality:

T: 7 N R: 13 E Sec: 8

Observers: ETC

Size of Area Sampled: 10 acres

Soil Type:

Slope: slight Directions: S

Condition of Stand:

Open Grown Trees:

Stumps:

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
% Canopy:												

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

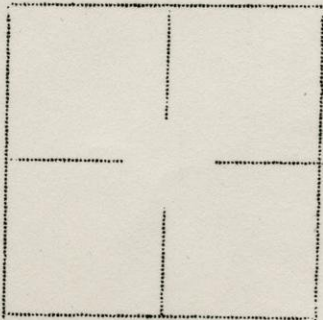
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	0-1/2	leaf litter
A ₁	1-2	grey - powdery clay loam
A ₂	1-2	grey to yellow "
B	-	

Parent Material:

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1829

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.		55	1							
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra	1	2	1						1	1
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	45				1	3	3	25	65	45
Quercus alba					160		100	35	140	85 200 45
Q. ellipsoid										
Q. macrocarpa		30	1	1	110	1				
Q. rubra			65	110						
Q. velutina	420 360	360 320	290 180	170 160 100	260 180	220 140 170				
Tilia amer										
Ulmus amer fulva	100	3	1	100	X	2	1	75	1	25 30 25
Ulmus fulva										
Juniperus Pyrus malus					1	1			1	1
	40,60 70,75	15,7 55,10	30,45 25	60,55 60	70,45 30,41	30,60 25,41	9,65 25,30	7,70 25,30	60,35 25,30	30,25 15,30
Distance	11,23 12,9 90	9,40 31,14 95	35,19 12,30 50	14,36 25,20 30	7,6 19,17 95	17,25 11,19 75	7,20 15,8 75	10,24 11,35 95	10,22 22,26 100	5,6 23,24 90

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1829

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														
Juniper Crataegus sp.								1						
Fagus grand														
Fraxinus am														
F. nigra														
Juglans cin.														
J. nigra	2	1			1	2	2	1		1				
Ostrya virg														
Populus gran														
P. tremul														
Prunus serot	1	170	3	180	1	200 200 90	1	80	190	35				
Quercus alba	110	30	65 90 170	25 40 120			160 30 10 170	170 170	85 170 120	120 130				
Q. ellipsoid														
Q. macrocarpa						25								
Q. rubra					170									
Q. velutina	90 140	140				170		271						
Tilia amer														
Ulmus amer														
Ulmus fulva	35	160	170	3	170	3	2	1	1	70	2	4	85 25	3
Catalpa									1					
	75,15 15,18	15,30 25,40	25,30 30,30	3,3 25,30	70,30 35,10	25,15 70,40	10,30 15,60	40,30 40,20	40,25 10,15	10,5 39,15				
Distance	2,8 0,21	14,30 18,12	10,22 25,20	12,15 10,16	12,25 23,9	11,22 22,23	26,42 38,13	15,13 22,26	13,27 12,11	25,20 35,29				
	95	90	75	91	95	80	0	25	95	75				

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1829

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car						1	1			
Carya cord										
C. ovata		45					120	1		
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra				2	1					
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot			2	*		160				
Quercus alba	110 270	210	240 140	140 120	120 140 160	240 170	130 300	85 120	120	
Q. ellipsoid										
Q. macrocarpa									160 140	120 140 140
Q. rubra										
Q. velutina							220	220 400	514	180
Tilia amer										
Ulmus amer				620	620					
Ulmus fulva	35 45	3 120 70	3 70 150	2 45 620	1	3	2			
Juniper		1	1				25	1	3	4
	45,60 10,8	15,25 66,60	5,8 80,10	15,15 16,60	10,8 15,5	30,40 50,40	15,25 40,30	10,15 40,60	30,10 25	30,60
Distance	161,38 9,19 90	51,34 50,22 95	101,35 11,38 80	7,4 24,35 70	9,24 18,41 85	9,32 17,23 50	17,9 18,15 90	5,38 30,92 85	3,50 30,25 85	19,35 16,35 80

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1829

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																	
P. tremul																	
Prunus serot							180			200							
Quercus alba	140 35 30	50	45		25 35 120	35 100 130	140 45	120	260 130 30 25	300 120							
Q. ellipsoid																	
Q. macrocarpa																	
Q. rubra		130															
Q. velutina			340 190	220 180 200				340									
Tilia amer																	
Ulmus amer	60	4	130 65	4	4	130	4	60	4	4	55	4	20 15	4	4	65	4
Ulmus fulva			85														
	60,22 28,75	3,15 35,60	15,35 40,10	4,35 9,15	75,10 26,60	60,30 90,65	40,25 60,60	46,26 30,60	60,75 60,40	35,25 15,40							
Distance	3,12 26,20	3,17 8,16	17,21 22,18	9,30 24,34	12,27 14,8	10,17 20,13	25,11 8,12	3,30 15,15	10,10 15,28	7,24 14,17							
	95	85	100	80	70	60	90	90	70	85							

Tree	No. Pts.	No. Tr.	No. Dom.	No. Sap.	No. Sap.	No. Sap.	No. Sap.	F. %	D. %	F. %	F. %	D. %	Dom. %	I. I.	C. I.	CI
Acerrubrum																1181.8
A. saccharum																
Carya cord.																Ave. Dist.
C. ovata	2	2	165							2.0	1.2	0.7	3.9	17.5		Btw'n Trees
Celtis occiden.																18.9
Fagus grand.																357.2
Fraxinus amer.																Ave. BA
F. lanceolata																(Total
F. pennsylvani																PA ÷ 80)
Juglans cinere																139.4
J. nigra				19		13										No. Trees
Ostrya virgin.																Per acre
Populus grand.																121.9
P. tremuloides																Dom. per
Prunus serotin	12	15	1925		17	113	11			12.2	9.4	8.6	30.2	108.7		acre
Quercus alba	31	64	7660							31.6	40.0	34.3	105.9	381.2		16993
Q. ellipsoidalis																Cover
Q. macrocarpa	5	8	865							5.1	5.0	3.9	14.0	14.0		78.50
Q. rubra	3	3	365							3.1	1.9	1.6	6.6	37.0		Rep
Q. velutina	17	30	7170							17.3	18.7	32.0	68.0	170.0		34.8
Tilia american																1211
Ulmus american	9	11	1840		40		27			9.2	6.9	8.2	24.3	111.8		
U. rubra	16	24	2170		50		33			16.3	15.0	9.7	41.0	336.2		
Cornus	1	1	55							1.0	0.6	0.2	1.8	1.8		
Juniper vit.	1	1	25		20		14			1.0	0.6	0.1	1.7	1.7		
Prunus	1	1	65							1.0	0.6	0.3	1.9	1.9		
Catalpa	98	160	22,305		1		1									1181.8
Carpinus					2											

150

36 App/ave

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand No. 1829

Stand location. _____

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum

Chenopodium hybridum 146 8910

Cirsium arvense 1

C. discolor

Corax stolonifera

Dioscorea villosa

Elmus canadensis

Leonurus cardiaca 7

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 2345678910

Oxalis stricta 16710

Panicum leibergii

Physalis heterophylla

Pilea pumila

Plantago sp.

Plantago lanceolata

Poa compressa

P. pratense 27

Polygonum convolvulus

P. hydropiper 8

Prunella vulgaris 16

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum 167

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 135710

Trifolium hybridum 7

T. pratense.

Nepeta cataria 12710

Presence or Frequency
(Common species only)Stand. no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum	Osmorhiza longistylis
Arimonia gryposepala 3	Panax quinquefolia
Amphicarpa braceata 4	Panicum latifolium
Anemone quinquefolia	Parietaria pennsylvanica
Anemonella thalictroides	Parthenocissus inserta
Antennaria sp.	Phytolacca leptostachya 7
Aquilegia canadensis	Podophyllum peltatum
Arisaema atrorubens	Polygonatum canaliculatum
Aster sagittifolius	Polygonatum pubescens
A. shortii	Potentilla simplex 3
Athyrium filix-femina	Prenanthes alba
Botrychium virginianum	Ranunculus abortivus
Campanula americana	R. recurvatus
Carex albursina	Rhus radicans
C. pennsylvanica 1 4 5 9	Ribes sp. 1 2 6 8 9 10
Caulophyllum thalictroides	Rosa so.
Chelastrum scandens	Rubus allegheniensis 3
Circaea quadrisulcata 2 4	R. occidentalis 3
Cornus rugosa	R. strigosus
Corylus americana	Sambucus canadensis 6
Cryptotaenia canadensis	Sanguinaria canadensis
Cuscuta glutinosa	Sanicula gregaria
Dodecatheon meadia	S. marilandica
Erigeron pulchellus	Smilacina racemosa
Eupatorium purpureum	S. stellata
Eupatorium rugosum	Smilax scirrhata
Festuca obtusa	S. herbacea
Fragaria virginiana	S. tamnoides
Galium aparine	Solidago flexicaulis
G. concinnum	S. ulmifolia
G. triflorum 2 4	Thalictrum dioicum
Geranium maculatum	Toxaria virginiana
Geum canadense 1 2 3 4 5 6 7 8	Triosteum perfoliatum
Hackelia virginica	Uvularia grandiflora
Helianthus strumosus	Veronicastrum virginicum
Heuchera richardsonii	Viburnum acerifolium
Hydrophyllum virginianum	Viola cucullata 1 3 4 10
Impatiens c. pensis	V. pubescens
I. pallida	Vitis aestifolia
Isopyrum biternatum	Xanthoxylum americ.
Lactuca biennis	Zizia aurea
Laportea canadensis	
Monarda fistulosa	
Osmorhiza clayton.	

P. serotina 1 2 3 4 5 8 9 10

Q. alba 1

U. fulva 4 5 6 7 8 9 10

Verbena strictifolia 4

Pyrus

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1829

Ambrosia artemisiifolia 26
 A. trifida
 Anemone cylindrica
 Arabis canadensis
 Arctium minus
 Bidens sp.
 Cerastium vulgatum
 Chenopodium hybridum 2
 Cirsium arvense 6
 C. discolor
 Cornus stolonifera
 Dioscorea villosa
 Alnus canadensis
 Leonurus cardiaca
 Lithospermum latifolium
 Medicago lupulina
 Milium effusum
 Muhlenbergia schreberi 236 10
 Oxalis stricta 2
 Panicum leibergii
 Erigeron philadelphicus 4

Physalis heterophylla
 Pilea pumila
 Plantago sp. 26
 Plantago lanceolata
 Poa compressa
 P. pratense 234 6 10
 Polygonum convolvulus
 P. hydropiper
 Prunella vulgaris 4
 Rudbeckia hirta
 Rumex acetosella
 Scrophularia marilandica
 Senecio pauperculus
 Setaria glauca
 Solanum nigrum
 Solidago latifolia
 S. caesia
 Stellaria media
 Taraxacum officinale 2346
 Trifolium hybridum 346
 T. pratense.
 Nepeta cataracta 145
 Acalypha virginiana
 Verbascum Thapsus

Presence or Frequency
(Common species only)

Stand. no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum	Osmorhiza longistylis
Arimonia grypsocsepala	Panax quinquefolia
Amphicarpa braceata 8	Panicum latifolium
Anemone quinquefolia	Parietaria pennsylvanica
Anemonella thalictroides	Parthenocissus inserta
Antennaria sp.	Phytolacca leptostachya
Aquilegia canadensis	Podophyllum peltatum
Arisaema atrorubens	Polygonatum canaliculatum
Aster sagittifolius	Polygonatum pubescens
A. shortii	Potentilla simplex 9
Athyrium filix-femina	Prenanthes alba
Botrychium virginianum	Ranunculus abortivus 6
Campanula americana	R. recurvatus
Carex albursina	Rhus radicans
C. pennsylvanica 2 6 10	Ribes sp. 5 7 8 9
Caulophyllum thalictroides	Rosa so.
Chelastrus scandens	Rubus allegheniensis 5
Circaea quadrisulcata 8	R. occidentalis
Cornus rugosa	R. strigosus
Corylus americana	Sambucus canadensis 8
Cryptotaenia canadensis	Sanguinaria canadensis
Cuscuta glutinosa	Sanicula gregaria
Dodecatheon meadia	S. marilandica
Erigeron pulchellus	Smilacina racemosa
Eupatorium purpureum	S. stellata
Eupatorium rugosum	Smilax edirrhata
Festuca obtusa	S. herbacea
Fragaria virginiana	S. tamnoides
Galium aparine	Solidago flexicaulis
G. concinnum 1	S. ulmifolia
G. triflorum 1 8	Thalictrum dioicum
Geranium maculatum	Tovara virginiana
Geum canadense 1 2 3 4 8	Triosteum perfoliatum
Hackelia virginica 2	Uvularia grandiflora
Helianthus strumosus	Veronicastrum virginicum
Heuchera richardsonii	Viburnum acerifolium
Hydrophyllum virginianum	Viola cucullata
Impatiens o. pensis	V. pubescens
I. pallida	Vitis aestivalis 7
Isopyrum biternatum	Xanthoxylum americ.
Lactuca biennis	Zizia aurea
Laportea canadensis 1	
Monarda fistulosa	
Osmorhiza clayton.	

P. serotinum 1 2 7 8

V. fulva 1 2 5 6 8

A. alba 5

Acer negundo 7