



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 1811: Dane County, Township 7N, Range 10E, Section 34. 1957-08-03

[s.l.]: [s.n.], 1957-08-03

<https://digital.library.wisc.edu/1711.dl/LXKG5LOQZLVQC8A>

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. 7811

Name: *McC Farland*County: *Dane*Date: *Aug. 3, 1957*Size of Stand: *15 acres*Forest Type: *Oak*Topography: *Ridge top*

Locality:

T: *7N*R: *10E*Sec: *34 SE 1/4*

Observers:

Size of Area Sampled: *15 acres*

Soil Type:

Slope: *slight*Directions: *to E & W*Condition of Stand: *Good, very little cutting - grazed 60 or more years*

Open Grown Trees:

Stumps:

1.	4.
2.	5.
3.	6.

% Canopy:

7.	10.
8.	11.
9.	12.

Soil Data:

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

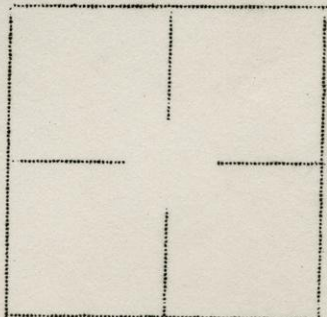
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>1/2 in</i>	<i>dark leaves partially decayed humus</i>
A ₁	<i>1 1/2 in</i>	<i>dark grey sandy humus</i>
A ₂	<i>2 in</i>	<i>brown sandy humus</i>
B	<i>down</i>	

Parent Material:

Map:



6 up 14 1871

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	F. % : Seed	F. % : Seed	D. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. :	C. I. :	CI =
Acerrubrum															986.8
A. saccharum															
Carya cord.															
C. ovata	2	2	65		1		1			2.4	1.2	0.3	3.9	17.5	
Celtis occiden.															
Fagus grand.															
Fraxinus amer.					3		2								
F. lanceolata															
F. pennsylvani															
Juglans cinere															
J. nigra															
Ostrya virgin.															
Populus grand.															
P. tremuloides															
Prunus serotin	18	27	2080		7		6			21.6	16.9	10.6	49.1	176.8	
Quercus alba	39	97	13475							46.8	60.6	68.8	176.2	634.3	
Q. ellipsoidalis															
Q. macrocarpa	3	3	450							3.6	1.9	2.3	7.8	7.8	
Q. rubra															
Q. velutina	19	29	3470							22.8	18.1	17.7	58.6	146.5	
Tilia american															
Ulmus american					5		4								
U. rubra					87		70								
Crataegus	2	2	55		5		4			2.4	1.2	0.3	3.9	3.9	
L. acer					4		5								
morum alba					11		15								
	83	160	19605		125										986.8

Ave. Dist.
Btw'n Trees

15.1

228.0

Ave. BA
(Total
BA ÷ 80)
122.5

No. Trees
Per acre
191.0

Dom. per
acre
23397

Cover
72.2%

35.2

1239

35 rep/acre

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1811

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata					45					
Celtis occ										
Crataegus sp.									15	
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot			1	45	1	180 210	1		30	
Quercus alba	120 110	70	60	40 100 90	280 180 190	150	130 120 160 150	75 60 200 90	55 110	60 140 100 120
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	140 150	110 160 120	75 55 140			140				
Tilia amer										
Ulmus amer			1	2	1	1				
Ulmus fulva					2	3	3	4	3	4
<i>myrica alba</i>		1	1	1	1				1	
	0	60	60,50 55	20,35 30,45	20,5 35,25	10,35 40,15	5,45 30,10	10,8 20,35	15,20 20,40	10,60 20,45
Distance	3,7 25,19 85	10,13 16,16 65	18,5 23,5 90	18,20 7,22 85	19,21 15,17 55	20,15 22,23 10	7,35 13,8 85	23,29 11,15 90	10,8 7,13 75	16,12 18,13 75

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1811

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Negundo</i> Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata									20	
Celtis occ										
Crataegus sp.						40				
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot		25 40		40	65	120		85		110 50
Quercus alba	140 120 160	130 50	130 75	90 60	180 160 150	140 85	30 280 90	50 180	75	60
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	160		170 90	190			120	110 1	140 60	130
Tilia amer										
Ulmus amer										
Ulmus fulva	2	2	1				1	2	3	3
<i>Monarda</i> Morus alba	1									1
	40, 70 25	20 25	40	55	10	70	35, 60	45, 70 25	15, 20 60, 70	10, 30 30
Distance	9, 5 26, 12	8, 17 14, 25	20, 14 22, 25	5, 22 13, 10	11, 26 14, 19	11, 10 19, 14	11, 22 5, 24	9, 30 2, 8	21, 5 10, 19	5, 21 8, 16
	90	30	80	85	80	40	80	70	85	70

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1811

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		35			50					
Quercus alba	120 135 140 150	75 70 60	70 40 140 170	230 200 120 125	370 190	45 160 180	250 160 120 160	100 140 140	150 180	770 180 160
Q. ellipsoid										
Q. macrocarpa								110	1	
Q. rubra										
Q. velutina						190			75	65
Tilia amer										
Ulmus amer										
Ulmus fulva	3	3	3	1	4	4	4	3	4	3
<i>Ulmus alba</i>	1			2						
	60, 30 15, 40	40, 40 10, 15	15, 25 3, 25	10, 7 3, 20	70, 20 25, 25	10, 20 15, 10	5, 15 4, 40	20, 70 15, 60	10, 15 10, 100	5, 15 20, 40
Distance	6, 30 11, 15	7, 2 15, 24	4, 12 5, 28	26, 26 3, 11	10, 8 9, 18	21, 27 3, 24	8, 24 23, 10	13, 11 13, 14	13, 10 16, 8	13, 13 24, 12
	90	95	75	95	70	80	50	75	50	70

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1711

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		30		120		40	35	85	85	40
Quercus alba	180 160 240 580	120 40 180		340	230 140	260 200	170 60	180 110	180	210
Q. ellipsoid										
Q. macrocarpa			140	200						
Q. rubra										
Q. velutina			170 90 160	140	120 60	100	90			
Tilia amer										
Ulmus amer										
Ulmus fulva	4	3	3	3	1	1	3		1	
JUNIPER							1	1	2	1
Juniperus communis										
	15, 60 40, 35	30, 65 50, 35	20, 30 40, 30	5, 8 10, 30	30, 15 45, 10	10, 10 20, 15	20, 20 15, 10	15, 40 35, 25	10, 25 35, 25	20, 20 15, 40
Distance	5, 38 13, 19	9, 8 16, 5	11, 10 20, 16	15, 18 12, 19	18, 24 12, 8	22, 11 9, 9	21, 8 10, 18	12, 19 20, 21	19, 8 25, 40	16, 16 18, 12
	95	75	85	100	70	85	70	5	70	48

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1811

Ambrosia artemisiifolia 46, 10

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp. 6

Cerastium vulgatum 57

Cheilopodium hybridum

Cirsium arvense 3459

C. discolor

Cornus stolonifera

Dioscorea villosa

Elmus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 4579, 10

Oxalis stricta 5789, 10

Panicum leibergii

Asclepias verticillata 10

Physalis heterophylla

Pilea pumila 123456789

Plantago sp. 4789, 10

Plantago lanceolata

Poa compressa

P. pratense 1456789, 10

Polygonum convolvulus

P. hydropiper 679

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum

Solidago latifolia 10

S. caesia

Stellaria media

Taraxacum officinale 1, 56789

Trifolium hybridum

T. pratense. 9 10

Ribes hamamelidis 4789, 10

~~Ribes~~ 9

Prunella vulgaris 10

Eriogonum phloeo
1968

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 2456
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 9, 10
A. shortii 10
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica 3
Caulophyllum thalictroides
Celastrus scandens 9
Circaea quadrisulcata 1, 234 57
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 5
Galium aparine ✓
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 14568
Gerardia grandiflora
Geum canadense 6
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 134689
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
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
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 123469
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 79
R. recurvatus
R. septentrionalis
Rhus radicans 4
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 1
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 1345789
V. pubescens 6
Vitis aestivalis 6
V. riparia
Xanthoxylum americ. 458
Zizia aurea

Additional species:

Prunus serotina 1357
U. fulva 4, 110

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1811

Ambrosia artemisiifolia / 3

A. trifida

Anemone cylindrica

Arabis canadensis

✓ Arotium minus

Bidens sp.

Cerastium vulgatum /

Chenopodium hybridum 2/6 on 1

Cirsium arvense /

C. discolor

Cornus stolonifera

Dioscorea villosa

Linus canadensis

✓ Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 7, 9, 10

Oxalis stricta / 2, 10

Panicum leibergii

✓ Berterod incana

Raphanus raphanistrum /

Erigeron pulchellus?

Physalis heterophylla

Pilea pumila / 4, 5, 6, 9, 10

Plantago sp. / 2

Plantago lanceolata / 2

Poa compressa

P. pratense /

Polygonum convolvulus

P. hydropiper /

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum document 1, 2, 3, 4

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale / 2, 5

Trifolium hybridum

T. pratense.

Ribes hirtellum 2, 4, 7, 8, 9

Urtica 3

✓ Verbena ulmifolia

✓ Nepeta cataracta

✓ Berberis thunbergii

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala 10
Allium tricoccum
Amphicarpa braceata 45
Anemone quinquefolia 2
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
✓ Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 1
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica SP 12
Caulophyllum thalictroides
Celastrus scandens 4
Circaea quadrisulcata 456789 10
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
✓ Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 12710
Galium aparine
G. circaeazans 6?
G. concinnum 2
G. lanceolatum
G. triflorum 19
Geranium maculatum 58
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 256710
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii 10
Hydrastis canadensis
Hydrophyllum virginianum
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 1
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 124567
Parthenocissus inserta 10
Phlox divaricata
✓ Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 2
R. recurvatus
R. septentrionalis
✓ Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis 4
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
✓ S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
✓ Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 1349
V. pubescens 257
Vitis aestivalis 2
V. riparia
Xanthoxylum americ. 6
Zizia aurea

Additional species:

✓ Juniper
He
A 2567
Celtis

Prunus serotina 6810
Log. barberry

Viburnum lentago
Celtis americana 9