



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 1820: Dane County, Township 5N, Range 6E, Section 34. 1957-09-03

[s.l.]: [s.n.], 1957-09-03

<https://digital.library.wisc.edu/1711.dl/XZJJAZGE4XJOZ84>

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. 1820

Name:

County: Dane

Date: Sept 3 57

Size of Stand: 40 acres

Forest Type: Bur oak

Topography: Ridge Top

Locality:

T: 5N

R: 6E

Sec: 34

Observers: ETC.

Size of Area Sampled: 25 acres

Soil Type:

Slope:

Directions:

Condition of Stand:

Open Grown Trees:

Stumps:

1.

4.

7.

10.

2.

5.

8.

11.

3.

6.

9.

12.

Soil Data:

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

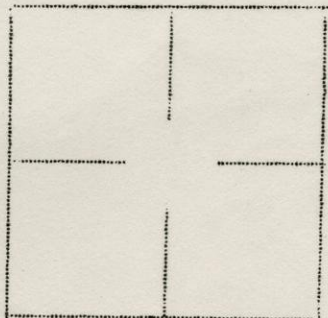
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2	grass + leaf mulch + litter
A ₁	4 in.	black clay loam
A ₂	2 in.	
B	red rock	

Parent Material:

Map:



64

33

1820

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. : Sap.	No. : Sap.	No. : Sap.	No. : Sap.	No. : Seed	No. : Seed	No. : Tr.	No. : Tr.	No. : Trees	No. : I.I.	No. : C.I.	No. : CI
Acerrubrum															
A. saccharum															
Carya cord.				2			2								
C. ovata				1			1								
Celtis occiden.															
Fagus grand.															
Fraxinus amer.				2			2								
F. lanceolata															
F. pennsylvani															
Juglans cinere															
J. nigra															
Ostrya virgin.															
Populus grand.															
P. tremuloides															
Prunus serotin															
Quercus alba															
Q. ellipsoidalis															
Q. macrocarpa	40	145	22730		3		3			76.8	90.6	94.8	262.2	262.6	
Q. rubra															
Q. velutina	1	1	260							1.9	0.6	1.1	3.6	9.0	
Tilia american	1	1	45							1.9	0.6	0.2	2.7	19.7	
Ulmus american															
U. rubra	7	9	789		59		59			13.4	5.6	3.3	22.3	182.9	
Malus alba	1	1	25							1.9	0.6	0.1	2.6	2.6	
Crataegus	2	3	110		21		21			3.8	1.9	0.4	6.1	6.1	
Prunus					13		13								
	52	160	23957		101										

Ave. Dist.
Btw'n Trees
23.4

547.6

Ave. BA
(Total
BA ÷ 80)
149.7

No. Trees
Per acre
79.5

Dom. per
acre
11901.1

cover

44.5%

55

3025

1440/acre

482.5

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1820

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										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa	230 20 80 180	210 140 85	110 70 40 210	120 75 65 100	140 180 120 290	120 180 160 200	220 110 200 240	310 180 140 160	300 180 250 180	250 105 200
Q. rubra										
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva										
malus pyrus		25								
	70	80	80					10	40, 25	60, 15
Distance	11, 20 35, 48 70	5, 23 18, 40 10	30, 28 40, 23 0	22, 29 15, 12 60	9, 22 29, 8 70	5, 40 26, 14 75	2, 11 45, 15 50	25, 16 21, 26 70	12, 60 11, 30 90	9, 48 20, 35 60

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1820

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord					1			1		
C. ovata										
Celtis occ										
Crataegus sp.								1	1	
Fagus grand										
Fraxinus am	1								1	
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa	230 160 320	160 150	200 180	65 140	120 180	110 130 120 130	340 130 200 120	120 140 130 120	140 90 80 120	160 140 120 180
Q. rubra										
Q. velutina					260					
Tilia amer		45								
Ulmus amer										
Ulmus fulva	250 1	250 2	12 25	2 140 35	3 25	2	2	2	1	2
Pyrus			1	1	1	1	1		1	1
	40,60	55,65	75,64 60	50,70 60,30	51,35 45,42	25,40 60	60,45 40,	15,40 30,	30,60 50	30,75 40
Distance	30,8 9,30	20,18 7,40	19,8 5,30	32,20 35,8	33,22 14,12	18,42 18,17	28,41 9,40	16,05 16,48	9,78 7,30	17,19 19,20
	20	75	90	40	0	0	35	45	85	5

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1820

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.	1	1	1	1					35	35 40
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa	180 200 160 320	120 200 160 240	180 180 160 200	160 180 170 180	180 160 140 170	210 160 150	130 140 120 240	260 130 140 220	230 200	230 200
Q. rubra										
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva	1	1	3	2	4	25	4	3	2	25
pyrus	1	1						1	1	30
	60,80 50	10,20 30	30,15 18,40	10,30 15,60	25,30 10,30	10,36 50,15	10,10 45,60	15,30 30	36,25 60	50,60
Distance	12,50 28,60	14,40 20,40	60,50 14,25	18,14 24,40	14,14 25,28	34,22 36,35	32,44 8,50	10,42 48,11	20,55 18,14	10,15 46,60
	6	20	75	0	50	10	0	10	80	

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1820

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.	1		1	2	2	1	1	2	1	2
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa	25 230 780 190	100 160 160 150	140 80 100 120	80 180 120 75	170 70 120 240	90 420 190 170	420 90 210 170	160 80 230 120	75 90 110 160	40 120 130 160
Q. rubra										
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva	3	3	1	1	1	1	1	1	2	2
	8, 30 15, 40	10, 40 40, 0	30, 60	15, 60 35	40, 35 30	35, 60	40, 80	60, 80 50	45, 50 30	40, 50 10, 60
Distance	9, 15 19, 29 15	30, 43 22, 10 25	12, 13 19, 30 80	15, 35 22, 16 20	7, 18 12, 30 50	7, 24 12, 30 90	7, 9 35, 21 85	7, 34 14, 32 35	11, 26 11, 8 60	5, 8 25, 11 75

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1820

Ambrosia artemisiifolia 67
 A. trifida
 Anemone cylindrica
 Arabis canadensis
 ✓ Arctium minus 4689
 ✓ Bidens sp. ^{prostrata}
 Cerastium vulgatum 59
 Chenopodium hybridum 9,10
 Cirsium arvense 45
 C. discolor
 Cornus stolonifera
 Dioscorea villosa
 Echinacea canadensis
 Leonurus cardiaca 6,10
 Lithospermum latifolium
 Medicago lupulina 12
 Milium effusum
 Muhlenbergia schreberi
 Oxalis stricta 10
 Panicum leibergii

Asclepias verticillata 12
 Bouteloua curtipendula 21
 Euphorbia supina 2

Silene alba 10
 Rumex crispus 10

Physalis heterophylla
 Pilea pumila
 Plantago sp. 4569
 Plantago lanceolata
 Poa compressa
 P. pratense 1235678
 Polygonum convolvulus 3
 P. hydropiper 4
 Prunella vulgaris
 Rudbeckia hirta
 Rumex acetosella
 Scrophularia marilandica
 Senecio pauperculus
 Setaria glauca 167,10
 Solanum nigrum 27,10
 Solidago latifolia
 S. caesia 2
 Stellaria media
 Taraxacum officinale 2456789,10
 Trifolium hybridum 260
 T. pratense.

Catalpa 4689
 Datura stramonium 5
 Verbena officinalis
 Lonicera xylosteum 10

Acalypha virginica 9
 Abutilon theophrasti

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
✓ Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 89
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 46
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
✓ Campanula americana
Carex albursina
C. pensylvanica 4
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 259, 11
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa 3
Corylus americana 12349
✓ Cryptotaenia canadensis 89
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus 5
Erythronium albidum
Eupatorium purpureum

Additional species:

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 245678
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 2
Gerardia grandiflora
Geum canadense 45
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 4
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
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 157
Orchis spectabilis
Oryzopsis racemosa
✓ Osmorhiza clayton.
O. longistylis 3
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 4
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 3479
Podophyllum peltatum
Polemonium reptans

U. fulva 9

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 49
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp. 1
Rubus allegheniensis
R. occidentalis 4
R. strigosus 6
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
V. pubescens
Vitis aestivalis 9
V. riparia
Xanthoxylum americ. 2456789
Zizia aurea

Viola pedunculata 2

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1820

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum 478

Chenopodium hybridum

Cirsium arvense

C. discolor

Cornus stolonifera

Dioscorea villosa

Elmus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina 48

Milium effusum

Muhlenbergia schreberi

Oxalis stricta 8

Panicum leibergii

Physalis heterophylla

Pilea pumila

Plantago sp. 49

Plantago lanceolata

Poa compressa

P. pratense 123456789

Polygonum convolvulus

P. hydropiper

Prunella vulgaris 38

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca 19

Solanum nigrum

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 12345789, 10

Trifolium hybridum 1789

T. pratense.

A+

Achillea 7. 8. 9

Acalpha virginica 7

Anemone cylindrica

anorpha

Ceanothus americanus 16

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsossepala
Allium tricoccum
Amphicarpa braceata 7
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp. 789
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 3
A. shortii 3
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 27
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 36
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa 6
Corylus americana 2356, 10
Cryptotaenia canadensis 10
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus 7
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 2 45 78, 10
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 23
Gerardia grandiflora
Geum canadense 2, 10
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 9
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
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 5, 10
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 4
Phlox divaricata
Phryma leptostachya 23
Podophyllum peltatum 5
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 248
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus 56 10
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
V. pubescens
Vitis aestivalis 2
V. riparia
Xanthoxylum americ. 3456, 10
Zizia aurea

Additional species:

U. fulva 23
Q. macro 45