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Site 1805: Dane County, Township 3N, Range 7E, Section 15. 1956-07-21

[s.l.]: [s.n.], 1956-07-21

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STAND RECORD

FORESTS

Stand No. ~~1506~~
1805

10

Name:

County: *Green*Date: *21/7/56*Size of Stand *10 acres*Forest Type: *Oak Bass.*Topography: *Rolling*

Locality:

T: *3N* R: *7E* Sec: *15*

Observers:

Size of Area Sampled: *20 p.x.*
40 p.l.

Soil Type:

Slope: Directions *NW*

Condition of Stand:

*Good**Grazed 24 years 1931-1955*

Open Grown Trees:

% Canopy:

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									

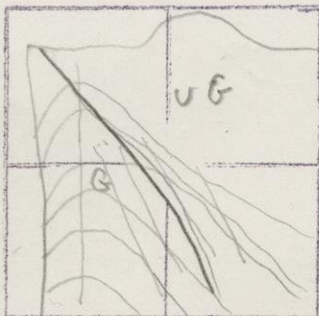
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>.5</i>	<i>.5</i>							
A ₁	<i>1</i>	<i>2</i>							
A ₂	<i>1 1/2</i>	<i>1</i>							
B									

Parent Material:

Map:



15	30
30	10
65	34
30	10
38	20
34	20

5

Ave. Dist.
Btw'n Trees
14.6
MA = 213.2
Ave. BA
(Total
PA ÷ 80)
111.5
No. Trees
Per acre
204.3
Dom. per
acre
22779.4
sap
18.1
334.89
130 sap/acre

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1805
1505

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	75									
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra			65							
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba				140	170			110 230		
Q. ellipsoid										
Q. macrocarpa										
Q. rubra			320 420 330	50	190					
Q. velutina	230	210						600		
Tilia amer		85 45	1		230	18 20 100	16 20 113 120	3	15 22 95 20	35 180 140 100
Ulmus amer										
Ulmus fulva	120 20	65 1	3	35 200	35 1			120		
	20, 15 35, 17	15, 10 15, 12	36, 24 36, 24	10, 24 12, 34	37, 6 35, 35	29, 24 18, 6	25, 20 20, 15	11, 12 16, 30	9, 13 15, 29	20, 20 10, 5
Distance	5, 24 2, 15	28, 7 32, 15	25, 24 11, 23	14, 23 4, 30	25, 8 16, 26	9, 10 16, 5	3, 17 10, 14	12, 18 12, 18	9, 12 13, 19	22, 5 23, 12

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

1506
1885

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	120		60 45		60	75 110		45		560
Q. ellipsoid										
Q. macrocarpa										
Q. rubra	130				75				180 95	100
Q. velutina								180		
Tilia amer	80 50	35 2	170 3	30 25 30 80	180 4	160 95 2	75 28	22 2	180 18	80 4 110 2
Ulmus amer										
Ulmus fulva		27 2	35 85	1			40 22	1		2
	27, 10 23, 30	7, 22 24, 18	8, 12 25, 7	20, 18 18, 22	5, 6 20, 8	19, 19 19, 12	19, 12 10, 13	10, 10 19, 8	22, 22 28, 30	10, 12 25, 15
Distance	12, 9 8, 23	15, 8 19, 7	15, 7 23, 4	6, 6 6, 19	3, 14 8, 9	17, 28 21, 7	24, 17 15, 14	14, 20 18, 6	10, 10 13, 8	10, 13 24, 17

Grazing Indicator Species

Stand No. 1805
Index No.

10	D	GV	-10	D	GV
<i>Caulophyllum thalictroides</i>			<i>Ambrosia artemis.</i>	.4	4
<i>Cornus femina</i>			<i>Arctium minus</i>	.1	1
<i>Cornus rugosa</i>			<i>Bidens sp.</i>	.1	1
<i>Impatiens pallida</i>			<i>Cirsium arvense</i>		
<i>Polygonatum caniculatum</i>			<i>Oxalis erecta</i>	3.5	35
<i>Vitis aestivalis</i>			<i>Pilea pumila</i>		
<i>Vitis riparia</i>			<i>Plantago sp.</i>	1.3	13
<i>Prunus serotina</i>			<i>Poa. pratense</i>	.9	9
9			<i>Prenanthes alba</i>	.1	1
<i>Uvularia grandiflora</i>	.3	2.7	<i>Taraxacum off.</i>	2.0	20
<i>Rubus allegheniensis</i>			-9		
<i>Desmodium glutinosum</i>	.8	7.2	<i>Cryptotaenia canadensis</i>	2.3	20.7
8			<i>Ranunculus abortivus</i>	1.5	13.5
<i>Osmorhiza claytoni</i>	1.1	8.8	<i>Agriomania grypsosepala</i>	1.1	9.9
7			-8		
<i>Rubus occidentalis</i>			<i>Eupatorium rugosum</i>	4.0	32
6			<i>Lactuca binnis</i>	.6	4.8
<i>Geranium maculatum</i>	2.2	13.2	-7		
<i>Celastrum scandens</i>	.1	.6	<i>Amphicarpa bracteata</i>	5.6	39.2
<i>Eupatorium purpureum</i>	.1	.6	<i>Mulenbergia schreberi</i>	.6	4.2
<i>Festuca altua</i>			<i>Solidago ulmifolia</i>	.1	.7
5			-6		
<i>Discorea villosa</i>			<i>Galium triflorum</i>	.3	1.8
<i>Parthenocissus inserta</i>	1.7	8.5	<i>Viola cucullata</i>	6.1	36.6
4			<i>Parietaria pennsylvanica</i>		
<i>Botrychium virginianum</i>	.3	1.2			

Total 42.8

Total 247.4

Index

UG - G

$$42.8 - 247.4 = -204.6$$

Diff
Total units

$$\frac{-204.6}{290.2} = -70\%$$

$$\frac{G}{TV} = \frac{247.4}{290.2} = -86\%$$

$$\frac{UG}{G} = \frac{42.8}{247.4} = .173$$

STAND NO. 10 1506

SPECIES LIST FOR GRAZED STANDS

DATE _____

Acalypha virginica
Adiantum pedatum
Agrostis alba
Ambrosia artemisiifolia 4, 5, 7
Aralia racemosa
Aspidium spinulosum
Aster sagittifolius 5, 7, 8, 10, 11, 14, 15, 16, 17, 20
Bidens discoides
Bidens frondosa
Brachyelytrum erectum
Carex albursina
Carex rosea 12, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
Cardamine pennsylvanica
Circaea intermedia 6, 8, 9, 12, 15, 16, 17, 19, 20
Circaea latifolia
Corylus americana
Dryopteris spinulosa
Epifagus virginiana
Epilobium glandulosum
Erigeron philadelphicus
Eupatorium rugosum 4, 6, 8, 10, 12, 13, 15, 19, 20
Fragaria virginiana 10, 16
Galium concinnum 2, 3, 5, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20
Galium triflorum 19
Gaultheria procumbens
Geranium maculatum 3, 6, 10, 11, 13, 14, 15, 16
Geum canadense 3, 8, 9, 10, 12, 18, 20
Hackelia virginiana
Helianthus trachelifolius
Hepatica acutiloba
Hieracium aurantiacum
Juncus tenuis
Laportea canadensis
Lobelia inflata
Macanthemum canadense
Mitchella repens
Monotropa uniflora
Nepeta cataria
Osmorhiza Claytoni 8, 12, 17
Osmorhiza longistylis
Osmunda claytoniana
Oxalis acetosella 12, 4, 5, 6, 7, 9
Oxalis stricta
Parietaria pennsylvanica 13, 4, 7, 14
Parthenocissus vitacea 2, 3, 7, 9, 11, 14, 15
Phleum pratense
Phytolacca decandra
Pilea pumila
Plantago ~~sp.~~ ^{cordata} 14, 15
Poa spp. 10, 17, 20
Podophyllum peltatum 4, 5, 6
Polygonum convolvulus
Polygonum hydropiper
Polygonum persicaris
Potentilla canadensis 1, 13, 15
Potentilla recta
Ulmus fulva 12, 14
Sarcocolla monticola 13
Helianthus ulmifolius 14

Prunella vulgaris
Rubus allegheniensis
Rubus hispidus
Rubus occidentalis
Rumex acetosella ^{Rosa sp 16}
Rumex obtusifolius
Ranunculus acris 1, 2, 3, 5, 9, 11, 19
Sanguinaria canadensis 3, 9, 11, 12, 13, 14, 15, 16, 17, 19, 20
Sanicula gregaria 1, 2, 3, 4, 5, 6, 8, 10, 11, 17, 18, 19, 20
Smilax ecirrhata 9, 10
Stellaria media 11
Taraxacum officinale 14, 15, 16, 17, 18, 19, 20
Trientalis americana
Trifolium hybridum
Trifolium pratense
Trillium grandiflorum
Tycopodium lucidulum
Urtica gracilis
Uvularia grandiflora 15
Veronica officinalis
Viburnum acerifolium
Viola papilionacea
Cuculeta 12, 4, 5, 7, 8, 9, 11, 12, 13, 14, 17, 18, 19, 20
Impatiens pallida
Onoclea sensibilis
Sambucus canadensis
Sambucus racemosa
Vaccinium pennsylvanicum

Plantago lanceolata 2, 15, 20
amphicarpa bracteata 12, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 19, 20
Clactrum scandens 1
Phryma leptostachya 1, 3, 4, 5, 6, 10, 11, 13, 15, 18, 19
O. strobil. 2, 13, 14
Aganopsis grisea 2, 4, 8
Smilacina racemosa 3, 12, 15
Cryptantha canadensis 3, 6, 7, 11, 14, 16
Siladago latifolia 3, 4, 6, 8, 10, 13, 15, 18
arisaema 3, 6
Prunus serotina 3, 12
~~Prunus~~ 4, 5, 7 ^{arbutus} ~~folia~~ ^{prema} ~~alba~~ 14
Vitis 5, 10, 13, 14
Q. (sp.) 5, 7 ^{aculeata} ^{sp. 14}
Galium aparine 6, 15, 18, 19
Ribes cynosbati 7, 13, 17
Siladago ?? 9
Castanea sp 10
Anemone ~~thalictroides~~ 10, 11, 12, 13, 14, 15, 16, 17, 18, 20
Aquilegia canadensis 11
Desmodium acuminata 12, 16, 20
Anemone ^{quing.} 12, 15
Lactuca biennis 12
Rubus radicans 14
Grass 16
Botrychium 18
Plantago major 18
Aureolaria purpurea 19

STAND NO. ¹⁵⁰⁵ ~~14~~

SPECIES LIST FOR GRAZED STANDS

DATE

Acalypha virginica
Adiantum pedatum 14
Agrostis alba
Ambrosia artemisiifolia
Aralia racemosa
Aspidium spinulosum
Aster sagittifolius 1, 11, 14, 15, 16, 17, 18, 20
Bidens discoides
Bidens frondosa
Brachyelytrum erectum
Carex albursina
Carex rosea 14, 123456789, 11, 12, 14, 15, 16, 18, 19
Cardamine pennsylvanica
Circaea intermedia 12589, 10, 14, 16, 18, 19
Circaea latifolia
Corylus americana
Dryopteris spinulosa
Epifogus virginiana
Epilobium glandulosum
Erigeron philadelphicus
Eupatorium rugosum 249, 11, 12, 13, 14, 16, 17, 18, 20
Fragaria virginiana 2567, 10, 13, 14, 15
Galium concinnum 12356, 12, 13, 14, 20
Galium triflorum
Gaultheria procumbens
Geranium maculatum 678, 11, 13
Geum canadense 3456789, 10, 14
Hackelia virginiana
Helianthus trachelifolius
Hepatica acutiloba
Hieracium aurantiacum
Juncus tenuis
Laportea canadensis
Lobelia inflata
Macanthemum canadense
Mitchella repens
Monotropa uniflora
Nepeta cataria
Osmorhiza Claytoni 4, 17, 18, 20
Osmorhiza longistylis 6, 10
Osmunda claytoniana
Oxalis acetosella
Oxalis stricta 126789, 11, 13, 14, 15, 16, 19
Parietaria pennsylvanica 37, 89, 11, 19
Parthenocissus vitacea 5, 10, 17
Phleum pratense
Phytolacca decandra
Pilea pumila
Plantago ~~sp.~~ ^{arctica} 1, 18
Poa spp. 16, 17, 18
Podophyllum peltatum 46, 12, 13, 14, 15
Polygonum convolvulus
Polygonum hydropiper
Polygonum persicaria
Potentilla canadensis 12, 13, 20
Potentilla recta

Plantago lance 17*Prunella vulgaris* 20

Prunella vulgaris
Rubus allegheniensis
Rubus hispidus
Rubus occidentalis
Rumex acetosella
Rumex obtusifolius
Ranunculus ~~repens~~ ^{repens} 24567, 11, 13, 15, 16, 19
Sanguinaria canadensis 245689, 10, 13, 18, 19, 20
Sanicula gregaria 14578, 10, 11, 13, 20
Smilax ecirrhata
Stellaria media
Taraxacum officinale 7, 14, 17, 18, 19
Trientalis americana
Trifolium hybridum
Trifolium pratense
Trillium grandiflorum
Tycopodium lucidulum
Urtica gracilis
Uvularia grandiflora 16
Veronica officinalis
Viburnum acerifolium
Viola papilionacea
Viola cucullata 2489, 11, 13, 16, 17, 18, 19, 20

Impatiens pallida
Onoclea sensibilis
Sambucus canadensis
Sambucus racemosa
Vaccinium pennsylvanicum

Soladago laterifolia 126, 14, 15, 19
Agemonia glycyphala 125, 13
Anemone thalictroides 2458, 13, 14, 15, 18, 19, 20
Amphicarpa bractea 257, 10, 11, 12, 14, 15, 20
Ranunculus abort. 27
Oenanthe racemosa 26
Ribes cynosbati 379
Desmodium acuminata 4, 15
A. rubra 4, 18
Orythalia canadensis 59, 10, 11, 12, 15, 18
V. faba 5, 13
Vitis 5, 18
Cornus 5, 20
Phoradendron 68, 12, 13, 14, 15, 20
Burdock 6
Bidens 6
Plantago ^{sp.} 68, 17
P. serotina 28
Ancistrum atrocaule 8
Brythuan 9
Carya cord 11
Smilacina raca 12, 13, 15, 16, 19
Saturnia obtusa 14, 16, 19
Ragweed 16, 19

A0 — 0 / 1/2 | 1/2
 A1 — 1 1/2 / 2 | 1
 A2 — 1 1/2 / 1 1/2 | 1 1/2

15 30

60 34

150 120

40 25

3 | 260 3 | 179

83 57

Grazing Indicators
Presence

1805

Extreme +2
Decreasers

Carya ovata
Quercus alba
Aralia nudicaul.
A. racemosa
Caulophyllum thal.
Hystrix patula
Sanicula mariland.
Vitis aestivalis

Moderate +1 11
Decreasers

Acer saccharum
Prunus serotina ✓
P. virginiana
Quercus rubra ✓
Tilia americana
Actaea Sp.
Adiantum pedatum ✓
Anthriscus angustif.
Campanula americana
Celastrus scandens ✓
Cornus femina
C. rugosa ✓
Corylus americana
Desmodium glutinosum ✓
Dioscorea villosa
Eupatorium purpur. ✓
E. rugosum ✓
Polygonatum canic.
Rhus radicans ✓
Rubus alleghen.
R. occidentalis
Smilax hebeca
Triosteum perfol.
Uvularia grandiflorum ✓
Vitis riparia ✓

Invaders -2 8 = 16

Fraxinus americana
Ambrosia artemisiifolia ✓
Antennaria sp.
Aquilegia canadense ✓
Arctium minus ✓
Aster lateriflorus
Bidens sp. ✓
Cerastium vulgatum
Cirsium arvense
Erigeron philadel.
Lithospermum latiflorum
Monarda fistulosa
Oxalis stricta ✓
Panicum lebergi
Pilea pumila
Plantago sp. ✓
Poa compressa
Smilax hispida ✓
Taraxacum off. ✓
Toxaria virginiana

Increasers -1 14

Ulmus fulva ✓
Agrimonia gryposep. ✓
Botrychium virginiana ✓
Cryptotaenia canadensis ✓
Galium aparine ✓
G. triflorum ✓
Lactuca biennis ✓
Lemnismum can.
Muhlenbergia schreberi ✓
Parietaria penn. ✓
Poa pratense ✓
Ranunculus abortivus ✓
Sanicula gregaria ✓
Smilacina racemosa ✓
Solidago ulmifolia ✓

Sum of Indicators

11

- 30

$$\frac{V-G}{\text{Tot units}} = \frac{11-30}{41} = -\frac{19}{41} = -.46$$

Data Form No. 11

Plant Ecology Research

Univ. of Wisconsin

TABULATION FORM

SOUTHERN HARDWOODS

Stand No. 4506

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
TREES:																							
Acer negundo																							
A. rubrum																							
A. saccharinum																							
A. saccharum																							
Amelanchier sp.																							
Betula lutea																							
B. nigra																							
B. papyrifera																							
Carpinus carol.																							
Carya cordiform.		1		2.5		2.5		.2															
C. ovata																							
Celtis occident.																							
Crataegus sp.		1		2.5		2.5		.2															
Fagus grandif.																							
Fraxinus americ.																							
F. nigra																							
F. pennsylvanica																							
Gleditsia tria.																							
Gymnocladus dio.																							
Juglans cinerea																							
J. nigra																							
Ostrya virgin.																							
Platanus occid.																							
Populus deltoid.																							
P. grandident.																							
P. tremuloides																							
Prunus american.																							
P. nigra																							
P. pennsylvan.																							
P. serotina		3		7.5		7.5		.6															
P. virginiana																							
Quercus alba																							
Q. bicolor																							
Q. ellipsoid.																							
Q. macrocarpa																							
Q. rubra		3		7.5		7.5		.6															
Q. velutina																							
Robinia pseudo.																							
Salix nigra																							
Sorbus americana																							
Tilia americana																							
Ulmus americana																							
U. fulva		2		5		5		.4															
U. thomasi																							
SHRUBS & HERBS:																							
Actaea sp.																							
Adiantum pedat.		1		2.5		2.5		.2															
Agastache scrophul.																							
Agrimonia gryp.		7		17.5		19		1.4															
Aletris farin																							

[illegible]

[illegible]

STATION NO.	p.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SHRUBS & HERBS (cont'd																					
Lithospermum latifolium																					
Lobelia cardin.																					
L. spicata																					
Lonicera canadense																					
L. dioica																					
L. hirsuta																					
L. prolifera																					
Luzula acuminata																					
L. multiflora																					
Lycopodium lucidulum																					
L. obscurum																					
Lysimachia quadrifolia																					
Maianthemum can.																					
Menispermum can.																					
Milium effusum																					
Mitchella repens																					
Mitella diphylla																					
Monarda fistul.																					
Monotropa uniflora																					
Morus rubra																					
Muhlenbergia ^{Schreb.} frondosa		4		10		11		.8													
Oenothera biennis																					
Onoclea sensibil.																					
Orchis spectab.																					
Oryzopsis asper.																					
O. racemosa																					
Osmorhiza clayt.		7		17.5		19		1.4													
O. longistylis		2		5		5		.4													
Osmunda cinnam.																					
O. claytoniana																					
Oxalis violacea ^{stricta}		18		45		60		3.6													
Panax quinquef.																					
P. trifolium																					
Panicum latifol.																					
Parietaria penn.		11		27.5		32		2.2													
Paronychia cana.																					
Parthenocissus vitacea		10		25		29		2.0													
Pedicularis can.																					
Phlox divaricata																					
Phryma leptost.		18		45		60		3.6													
Physocarpus opul.																					
Phytolacca dec.																					
Pilea pumila																					
Poa palustris ^{provenca}		6		15		16		1.2													
Podophyllum pel.		9		22.5		25.5		1.8													
Polemonium rep.																					
Polygonatum com.																					
P. pubescens.																					
Polygonum virg.																					
Polymnia canad.																					
Polypodium virgin.																					

[illegible]

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