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Site 1826: Green County, Township 4N, Range 9E, Section 23. 1957-09-14

[s.l.]: [s.n.], 1957-09-14

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 6826

Name:

County: Green

Date: Sept. 14 57

Size of Stand: 25 acres

Forest Type: White oak

Topography: slightly rolling

Locality:

T: 4N

R: 9E

Sec: 23

Observers: E.T.C.

Size of Area Sampled: 40 quadrats 20 quadrats

Soil Type:

Slope: slight Directions: NE

Condition of Stand:

Some cutting but not much.
light grazing

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									

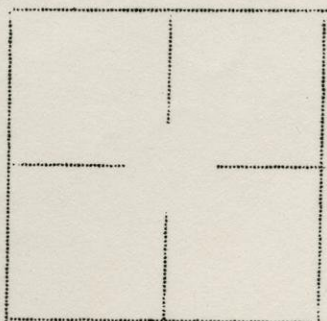
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2-1	Leaf litter
A ₁	1 1/2	black sandy loam
A ₂	1 1/2	black grey
B	Down	yellow grey

Parent Material:

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1826

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.		2					1	1				
Fagus grand												
Fraxinus am												
F. nigra												
Juglans cin.												
J. nigra	2	100 110	1 65	30 3	3	20	3	2	1	3	4	4
Ostrya virg												
Populus gran												
P. tremul												
Prunus serot	2	1	30	1	20	1	33 40	1				
Quercus alba	140 120 130	190 120	160	20 25 180	120	260 130 80 110	165 150 150	120 100 130	75 120	100 65 160 140		
Q. ellipsoid												
Q. macrocarpa									50			
Q. rubra												
Q. velutina							1	1				
Tilia amer												
Ulmus amer												
Ulmus fulva												
Pyrus	25											
	40,32 14,13	7,10 15,30	9,75 42,22	42,48 55,32	16,12 42,21	75,68 59,25	48,81 75,64	55,40 40	24,100 68,95	48,50 38,75		
Distance	13,5 3,14	14,24 14,28	30,7 21,16	5,22 19,19	3,38 17,21	20,22 7,19	10,11 28,14	19,11 10,12	11,11 18,19	7,14 3,14		
	90	85	75	80	80	95	65	50	80	50		

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1826

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	4	4	4	20	4	35	4	3	4	4
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	30									
Quercus alba	110 85 45	60 120 140	120 130 160	160 150 120	180 160 150	120 160 120	160 80 110	120 120 140	130 160 150	120 110 150
Q. ellipsoid		140	170			75	110	130	150	130
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva										
	8,40 30,25	15,55 50,29	8,48 110,28	8,15 75,42	48,17 16,50	32,34 20,60	39,65 60,15	60,75 35	15,65 75,54	100,40 43,64
Distance	13,21 8,18	24,12 19,20	3,2 29,24	17,40 14,14	14,22 22,17	5,18 12,25	12,13 19,9	27,31 25,12	23,14 23,20	14,18 19,36
	75	50	90	0	60	90	65	90	40	85

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1826

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>	1	1	2	1	2	1	1	2	1	
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>		1	2	1						
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>	1	1					1	25	1	35
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>	1	1								
<i>Prunus serot</i>	1			2	35	2	2	1	1	2
<i>Quercus alba</i>	120 25 70 110	180 128 140	150 160 140	120 200 120 110	170 240 160	190 240 170 140	180 130 140 170	80 150	110 130	140 120 160
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>						1	1		260	
<i>Q. velutina</i>										
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>								45		120
	55,65 65,101	16,100 80,65	10,24 27,26	75,106 50,50	75,100 15,30	15,20 40,30	65,20 75,150	35,75 75,22	20,25 16,30	13,75
Distance	10,114 8,20	8,17 21,38	19,24 14,8	5,15 20,24	14,11 14,14	40,30 8,30	14,20 16,17	10,14 25,26	5,29 7,6	15,23 13,3
	90	70	85	95	50	95	70	80	95	80

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1826

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>			1				1	1		1
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>							1	1	1	
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>	2	2	3	2			25		3	3
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>	15	1	2	45	2	4	2	1		
<i>Quercus alba</i>	140 120 80	150 130 130 120	130 160	120 180 140 35	95 80 140 70	160 120 150	140 410	130 120 110	120 45 160	140 100 120 140
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>	1		200				120	1	180	
<i>Q. velutina</i>										
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>										
	55,37 50,44	30,75 40,50	31,18 50,20	25,75 25,40	21,28 100,68	25,48	22,10 68,100	100,15 25	100,65 75,100	15,45 90,30
Distance	14,10 15,30	2,12 16,12	30,38 6,28	14,11 13,14	18,14 25,17	39,2 2,9	23,32 48,6	2,26 27,15	9,30 25,25	8,7 15,25
	70	90	40	90	35	95	85	90	95	65

74p.

7

1826

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.
Acerrubrum														
A. saccharum														
Carya cord.														
C. ovata														
Celtis occiden.														
Fagus grand.														
Fraxinus amer.														
F. lanceolata														
F. pennsylvani														
Juglans cinere														
J. nigra	8	10	465		85	62				12.7	6.2	2.4	19.3	121.6
Ostrya virgin.														
Populus grand.														
P. tremuloides					2	1								
Prunus serotin	7	8	250		31	22				11.1	5.0	1.3	17.4	62.6
Quercus alba	40	134	17390							63.6	83.7	90.9	238.2	857.5
Q. ellipsoidalis														
Q. macrocarpa	1	1	50							1.6	0.6	0.3	2.5	2.5
Q. rubra	4	4	760		5	4				6.4	2.5	4.0	12.9	72.2
Q. velutina					2	1								
Tilia american														
Ulmus american														
U. rubra	2	2	165							3.2	1.2	0.9	5.3	43.5
PTUNUS	1	1	25							1.6	0.6	0.1	2.3	2.3
Croat.					11	8								

Ave. Dist.
Btw'n Trees
17.3
MA: 299.3

Ave. BA
(Total
BA ÷ 80)
119.4

No. Trees
Per acre
145.5

Dom. per
acre
17372.7

Cover
73.72

S&P.
Dis.
43.4
1883.
S&P/ave
22.9

63 160 19105

136

1162.2

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1826

Ambrosia artemisiifolia
 A. trifida
 Anemone cylindrica
 Arabis canadensis
 Arctium minus 23
 Bidens sp.
 Cerastium vulgatum
 Chenopodium hybridum
 Cirsium arvense 8
 C. discolor
 Cornus stolonifera
 Dioscorea villosa
 Elmus canadensis
 Leonurus cardiaca 1
 Lithospermum latifolium
 Medicago lupulina 9
 Milium effusum
 Muhlenbergia schreberi 1
 Oxalis stricta 68
 Panicum leibergii

Physalis heterophylla
 Pilea pumila
 Plantago sp. 18
 Plantago lanceolata
 Poa compressa
 P. pratense 3456789
 Polygonum convolvulus
 P. hydropiper 35
 Prunella vulgaris 589
 Rudbeckia hirta
 Rumex acetosella
 Scrophularia marilandica
 Senecio pauperculus
 Setaria glauca 2
 Solanium nigrum 2
 Solidago latifolia 10
 S. caesia
 Stellaria media
 Taraxacum officinale 68
 Trifolium hybridum 1
 T. pratense.
 Nepeta cataria 1

Presence or Frequency
(Common species only)

Stand. no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum
Asplenium grypsocarpum 346710
Amphicarpa bracteata 135678910
Anemone quinquefolia
Anemone thalictroides
Antennaria sp.
Aquilegia canadensis
Arisaema atrorubens
Aster sagittifolius 4568910
A. shortii
Athyrium filix-femina
Botrychium virginianum
Campanula americana
Carex albursina
C. pennsylvanica 6
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 123467
Cornus rugosa 2 f
Corylus americana 10
Cryptotaenia canadensis 1238
Cuscuta glutinosa 9
Dodecatheon meadia
Erigeron pulchellus
Eupatorium purpureum
Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 8
Galium aparine
G. concinnum 56710
G. triflorum
Geranium maculatum 46910
Geum canadense 67
Hackelia virginica 3
Helianthus strumosus
Heuchera richardsonii
Hydrophyllum virginianum
Impatiens capensis
I. pallida
Isopyrum bitermum
Lactuca biennis
Laportea canadensis 1289
Monarda fistulosa
Osmorhiza clayton.

Osmorhiza longistylis
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phytolacca leptostachya 13678
Podophyllum peltatum
Polygonatum capitatum
Polygonatum pubescens
Potentilla simplex 69
Prenanthes alba
Ranunculus abortivus
R. recurvatus
Rhus radicans
Ribes sp.
Rosa sp.
Rubus allegheniensis 4510
R. occidentalis 69
R. strigosus
Sambucus canadensis 12
Sanguinaria canadensis
Sanicula marylandica 12357810
S. marilandica
Smilacina racemosa 6
S. stellata
Smilax eodiphata
S. herbacea
S. tamnoides
Solidago flexicaulis
S. ulmifolia 10
Thalictrum dioicum
Tovara virginiana
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
Viola cucullata 458910
V. pubescens
Vitis aestivalis
Xanthoxylum americanum
Zizia aurea

P. serotina 19

d. velutina 5

C. latifolia 10

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1824

Ambrosia artemisiifolia
 A. trifida
 Anemone cylindrica
 Arabis canadensis
 Arctium minus
 Bidens sp.
 Cerastium vulgatum
 Chenopodium hybridum
 ✓Cirsium arvense
 C. discolor
 Cornus stolonifera
 ✓Dioscorea villosa
 Elymus canadensis
 Leonurus cardiaca
 Lithospermum latifolium
 Medicago lupulina
 Milium effusum
 Muhlenbergia schreberi
 Oxalis stricta
 Panicum leibergii

Physalis heterophylla
 Pilea pumila
 Plantago sp.
 Plantago lanceolata
 Poa compressa
 P. pratense
 Polygonum convolvulus
 P. hydropiper
 Prunella vulgaris
 Rudbeckia hirta
 Rumex acetosella
 Scrophularia marilandica
 Senecio pauperculus
 Setaria glauca
 Solanium nigrum
 Solidago latifolia 2
~~S.~~ caesia
 Stellaria media
 Taraxacum officinale 10
 Trifolium hybridum 8
 T. pratense.

Aster pilosus

Presence or Frequency
(Common species only)

Stand no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum 2
Arimonia gryposepala 12 67, 10
Amphicarpa braceata 1 35 78 10
Anemone quinquefolia
Anemonella thalictroides 6
Antennaria sp. 2
Aquilegia canadensis
Arisaema atrorubens 5
Aster sagittifolius 23, 10
A. shortii 1
Athyrium filix-femina
Botrychium virginianum
Campanula americana
Carex albursina
C. pennsylvanica 1 23 46 89
Caulophyllum thalictroides
Chelidonium majus
Circaea quadrangulata 23 45 68
Cornus rugosa 3 79 10
Corylus americana
Cryptotaenia canadensis 46
Desmodium glutinosum
Dodecatheon meadia
Erigeron pulchellus 2
Eupatorium purpureum
Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 2, 10
Galium aparine
G. concinnum 12 35
G. triflorum
Geranium maculatum 13 4
Geum canadense 4 5
Hackelia virginica
Helianthus strumosus
Heuchera richardsonii
Hydrophyllum virginianum
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Monarda fistulosa
Osmerhiza clayton.

Osmerhiza longistylis
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 8
Phytolacca leptostachya 34 58 10
Podophyllum peltatum
Polygonatum canadense
Polygonatum pubescens
Potentilla simplex 1
Prenanthes alba 4
Ranunculus abortivus
R. recurvatus 5
Rhus radicans
Ribes sp.
Rosa sp. 10
Rubus allegheniensis 30
R. occidentalis 13, 10
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 24 58 10
S. marilandica
Smilacina racemosa
S. stellata
Smilax scirrhata 10
S. herbacea
S. tamnoides
Solidago flexicaulis
S. ulmifolia 3, 10
Thalictrum dioicum
Tovara virginiana
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
Viola cucullata 4
V. pubescens
Vitis aestivalis
Xanthoxylum americ.
Zizia aurea

Phlox glauca 1

C. cordif. 24

Crataegus 6

P. serotina 68

U. fulva 6