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Site 1827: Dodge County, Township 10N, Range 13E, Section 7. 1957-09-16

[s.l.]: [s.n.], 1957-09-16

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 6827

Name:

County: Dodge

Date: *Sept 16*Size of Stand: *28 acres*Forest Type: *Elm white oak*Topography: *side of ridge*

Locality:

T: *10 N* R: *13 E* Sec: *7*Observers: *E.C.C.*Size of Area Sampled: *40 quadr. pl. 20 quadr.*

Soil Type:

Slope: *slight* Directions: *S*

Condition of Stand:

*Good, some much cutting
open with stumps*

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									

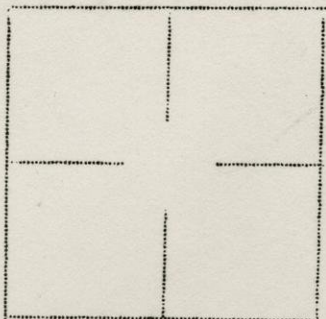
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>6-1/2</i>	<i>leaf litter</i>							
A ₁	<i>3-5</i>	<i>black</i>	<i>day loam</i>	<i>compact</i>					
A ₂	<i>2-5</i>	<i>grey</i>	<i>loamy clay</i>						
B									

Parent Material:

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1827

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata			1			80	120		160	120 35
Celtis occ										
Crataegus sp.	4	3	3	2	2	3	1	1	1	2
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot						1 75	1	2		
Quercus alba			220	190 150					240	460 120
Q. ellipsoid										
Q. macrocarpa										
Q. rubra								200		
Q. velutina									210	
Tilia amer		50	75	95 80	1	120 65 180		25	1	
Ulmus amer	180 120 160 100	150 140 160	1	15 15	45	1	30 100	25 110	1	40 160 100
Ulmus fulva										
	55, 48 22, 35	15, 25 30, 60	5, 3 15, 20	60, 35 10, 18	85, 40 40, 40	10, 15 4, 8	30, 25 10, 5	15, 25 10, 15	5, 45 40, 20	10, 8 35, 20
Distance	11, 11 20, 21	11, 20 29, 25	12, 73 3, 12	10, 14 20, 10	11, 15 7, 21	17, 17 12, 35	12, 10 30, 12	2, 17 21, 32	10, 12 19, 13	20, 27 35, 16
	40	75	80	85	90	80	95	95	70	65

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1827

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			130	1 75	80	70	
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>							2	1	2	1
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>			45						1	
<i>Quercus alba</i>	150	140	120	210	75 140 160				120 130	
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>										
<i>Q. velutina</i>										
<i>Tilia amer</i>	90 120	2 120		75	1 100	1	1 80 150	80	1 65	1 18 160
<i>Ulmus amer</i>	40 110	2 90 60	4 20 18	3 65 110	3	3 35 85	2 60	2 75 30	2	90 20
<i>Ulmus fulva</i>										
	40, 30 25, 20	15, 30 10, 40	40, 65 20, 45	20, 40 60, 15	10, 20 18, 28	15, 30 20, 30	10, 15 15, 25	11, 8 40, 30	5, 33 8	8, 10 7, 16
Distance	9, 7 11, 10	5, 27 32, 21	11, 27 12, 15	15, 13 25, 20	3, 15 25, 18	7, 13 16, 12	23, 18 22, 42	10, 9 12, 21	15, 40 20, 25	11, 15 16, 23
	80	40	65	80	100	90	15	80	60	70

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1827

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	1		95	116 65	35 3	60 2 75	90 4 95	120 110	35 40	55 1
Celtis occ										
Crataegus sp.	2	4	2	1				2	2	1
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul				13	1	1				
Prunus serot										
Quercus alba	120 140	1350 85								
Q. ellipsoid										
Q. macrocarpa		25								
Q. rubra										
Q. velutina			190							1
Tilia amer		140 8						1	1	340 1
Ulmus amer	80 95		30 25	2 85	2 180 140 120	210 140	2 100 95	150 35	180 40	240 900
Ulmus fulva										
	10, 15 12, 18	8, 8 8, 12	3 5, 10 25, 30	4, 3 8, 14	10, 15 20, 40	30, 45 15, 15	40, 45 40, 50	10, 30 7, 3	3, 8 3, 20	20, 40 60, 50
Distance	15, 18 15, 24	21, 14 23, 19	15, 8 16, 25	12, 22 38, 42	9, 40 7, 25	15, 14 35, 26	30, 13 15, 31	2, 14 19, 73	14, 18 19, 30	24, 16 16, 18
	80	70	75	95	90	70	90	66	70	75

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1827

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	30	1	80	2	80	1	70	2	20	2
			35						110	40
										100
Celtis occ										
Crataegus sp.				2	1	2	1	1	2	3
										3
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot				1					1	
Quercus alba						120				
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer		1	75		120		420	35	1	160
					70			3	18	85
										140
										1
Ulmus amer	130	2	100	2	110		45	1	35	75
	25		60		100					40
	45									140
										25
										40
										95
										100
										30
										95
										80
										30
										60
										25
										75
Distance	35, 30	10, 8	10, 25	8, 15	10, 40	11, 15	30, 28	5, 3	8, 5	35, 15
	20, 40	50, 45	18, 30	35, 15	15, 18	18, 60	27, 35	8, 20	7, 15	50, 60
	3, 11	11, 14	5, 18	6, 5	8, 18	7, 23	19, 21	5, 9	11, 9	9, 13
	26, 12	22, 10	19, 20	11, 30	20, 7	15, 16	27, 28	8, 6	27, 10	23, 16
	40	80	100	30	95	80	30	60	25	75

944

9

1827

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	Seed : Seed	F. % : Tr.	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. :	C. I. :			
Acerrubrum																	
A. saccharum																	
Carya cord.																	
C. ovata	23	31	2420		23		15		22.5	19.4	13.3	55.2	248.4				
Celtis occiden.																	
Fagus grand.																	
Fraxinus amer.																	
F. lanceolata																	
F. pennsylvani																	
Juglans cinere																	
J. nigra																	
Ostrya virgin.																	
Populus grand.																	
P. tremuloides	1	1	13						1.0	0.6	0.1	1.7	1.7				
Prunus serotin	2	2	120						2.0	1.2	0.6	3.8	13.7				
Quercus alba	13	19	4290						12.7	11.9	23.5	48.1	173.2				
Q. ellipsoidalis																	
Q. macrocarpa	1	1	25						1.0	0.6	0.1	1.7	1.7				
Q. rubra	1	1	200						1.0	0.6	1.1	2.7	15.1				
Q. velutina	2	2	400						2.0	1.2	2.2	5.4	13.5				
Tilia american	23	30	3371		21	14			22.5	18.7	18.5	59.7	435.8				
Ulmus american	36	73	7360		48	32			35.3	45.6	40.4	121.3	558.0				
U. rubra																	
<i>Crataegus</i>				29	57	34											

Ave. Dist.
Btw'n Trees
17.1

292.4

Ave. BA
(Total
BA ÷ 80)
113.7

No. Trees
Per acre
149.0

Dom. per
acre
16941.3

Cover
71.4%

52P
23.4
547.5

79.44/acre

102 160 18199

149

1461.1

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1827

Ambrosia artemisiifolia
 A. trifida
 Anemone cylindrica
 Arabis canadensis
 Arctium minus 34
 Bidens sp.
 Cerastium vulgatum 2
 Chenopodium hybridum
 Cirsium arvense
 C. discolor
 Cornus stolonifera
 Dioscorea villosa
 Elmus canadensis
 Leonurus cardiaca
 Lithospermum latifolium
 Medicago lupulina
 Milium effusum
 Muhlenbergia schreberi
 Oxalis stricta
 Panicum leibergii

Physalis heterophylla
 Pilea pumila
 Plantago sp. 4 8
 Plantago lanceolata
 Poa compressa
 P. pratense 34
 Polygonum convolvulus
 P. hydropiper
 Prunella vulgaris 4
 Rudbeckia hirta
 Rumex acetosella
 Scrophularia marilandica
 Senecio pauperculus
 Setaria glauca
 Solanium nigrum
 Solidago latifolia
 S. caesia
 Stellaria media
 Taraxacum officinale 34, 10
 Trifolium hybridum 4
 T. pratense.

Presence or Frequency
(Common species only)

Stand no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum
Arisaema grypsocsepala
Amphicarpa bracteata 26
Anemone quinquefolia 4
Anemonella thalictroides
Antennaria sp.
Aquilegia canadensis
Arisaema atrorubens
Aster sagittifolius 49
A. shortii
Athyrium filix-femina
Botrychium virginianum
Campanula americana
Carex albursina
C. pennsylvanica 1245678910
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Cornus rugosa 267
Corylus americana 6
Cryptotaenia canadensis 5678910
Desmodium glutinosum
Dodecatheon meadia
Erigeron pulchellus
Eupatorium purpureum
Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. concinnum 1235
G. triflorum
Geranium maculatum
Geum canadense 67
Hackelia virginica
Helianthus strumosus
Heuchera richardsonii
Hydrophyllum virginianum
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Monarda fistulosa
Osmorhiza claytonii 35489

Berberis Thunbergii

Osmorhiza longistylis 135679,10
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 23
Phytolacca leptostachya 1234567,10
Podophyllum peltatum
Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Ranunculus abortivus 5678
R. recurvatus
Rhus radicans
Ribes sp. 6
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 6789,10
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Tricostema perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium *lentago*
Viola cucullata 345789,10
V. pubescens
Vitis aestivalis
Xanthoxylum americanum
Zizia aurea
P. serotinum 25
Crataegus, 10
T. americana 28
V. americana 35

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1827

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum 42, 10

Chenopodium hybridum

Cirsium arvense 45

C. discolor

Cornus stolonifera

Dioscorea villosa

Elmus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi

Oxalis stricta

Panicum leibergii

Physalis heterophylla

Pilea pumila

Plantago sp. 146

Plantago lanceolata

Poa compressa

P. pratense 4689

Polygonum convolvulus

P. hydropiper

Prunella vulgaris 456

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 2 456, 10

Trifolium hybridum 4

T. pratense.

Lonicera tatarica

Presence or Frequency
(Common species only)

Stand. no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum
Arimonia grypsocsepala 1
Amphicarpa bracteata
Anemone quinquefolia
Anemonella thalictroides
Antennaria sp.
Aquilegia canadensis
Arisaema atrorubens 7
Aster sagittifolius 4
A. shortii
Athyrium filix-femina
Botrychium virginianum 10
Campanula americana
Carex albursina
C. pennsylvanica 12345689, 10
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 9
Cornus rugosa 8
Corylus americana 7
Cryptotaenia canadensis 12345789, 10
Desmodium glutinosum
Dodecatheon meadia
Erigeron pulchellus 4
Eupatorium purpureum
Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 4
Galium aparine
G. concinnum 234589
G. triflorum
Geranium maculatum 25
Geum canadense 1345678
Hackelia virginica
Helianthus strumosus
Heuchera richardsonii
Hydrophyllum virginianum
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Monarda fistulosa
Osmorhiza clayton. 1238

Comus alternifolia

Osmorhiza longistylis 1237
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phytolacca leptostachya 3589, 10
Podophyllum peltatum
Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Ranunculus abortivus 38
R. recurvatus
Rhus radicans
Ribes sp. 127
Rosa so.
Rubus allegheniensis
R. occidentalis 59
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 1578
S. marilandica
Smilacina racemosa
S. stellata
Smilax acutirrhata
S. herbacea
S. tannoides
Solidago flexicaulis
S. ulmifolia
Thalictrum dioicum
Toxaria virginiana
Tricostema perfoliatum 10
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
Viola cucullata 2569
V. pubescens
Vitis aestivalis
Xanthoxylum americ.
Zizia aurea

T. serotina 29, 10

T. americana 69

Q. #1029

Crataegus 10