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Site 1822: Jefferson County, Township 8N, Range 13E, Section 17. 1957-09-05

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 1822

Name:

County: Jefferson

Date: Sept 5

Size of Stand:

Forest Type:

Topography:

Locality:

T: 8N R: 13E Sec: 17

Observers:

Size of Area Sampled:

Soil Type:

Slope:

Directions:

Condition of Stand:

Open Grown Trees:

Stumps:

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1.												
2.												
3.												

% Canopy:

Soil Data:

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

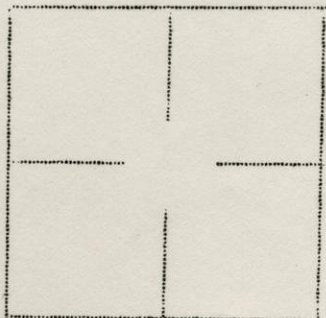
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2-1	leaf litter
A ₁	1 1/2	black clay loam
A ₂	3 1/2	yellow black
B	4	yellow clay

Parent Material:

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1822

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	3	4	35	2		1	3	3	4	3
Quercus alba					160		70	85 120 110	140 90 85	100 120 35 140
Q. ellipsoid										
Q. macrocarpa										
Q. rubra	410 500 270 180	200 210 250 340	240 170 150	210 370 110 200	220 240 230	510 350 290 240	600 450 230		280	
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva	1							1		
	60, 70 35, 60	40, 35 40, 80	70, 80		75	75, 10 60	42, 75 55, 65	40, 35 15, 80	10, 7 30, 60	10, 40 60, 35
Distance	27, 20 6, 19	6, 24 14, 32	8, 22 30, 21	11, 12 26, 23	7, 4 35, 26	13, 38 26, 5	9, 11 5, 12	9, 30 30, 10	19, 24 26, 25	18, 24 42, 30
	65	70	40	50	60	45	75	90	15	0

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1822

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							1				
Crataegus sp.	2	2	1	1					1		
Fagus grand											
Fraxinus am											
F. nigra											
Juglans cin.											
J. nigra											
Ostrya virg											
Populus gran											
P. tremul											
Prunus serot	1	35	1	1	2	4	3	20	4	2	3
Quercus alba	180	180 160	75		120	60 75 110	110 85 80	75 110 45 50	140 130 280 25	130	
Q. ellipsoid											
Q. macrocarpa											
Q. rubra	160 120 150	140	270 110 280	520 340 320 460	180 240 180	140				260 180	
Q. velutina											
Tilia amer											
Ulmus amer											
Ulmus fulva			1	1	1				1	1	110
	85, 70 55	85, 45 60	35, 28 85	45, 15 50, 35	10, 30 45, 40	15, 23 15, 25	40, 75 15, 20	35, 40 40, 25	10, 60 45, 3	70, 55 20, 30	
Distance	30, 20 19, 17	11, 13 25, 11	17, 22 10, 28	8, 40 24, 7	12, 14 8, 30	12, 14 25, 8	3, 17 8, 35	25, 28 16, 45	10, 14 13, 18	32, 40 18, 17	
	35	65	85	90	90	90	75	0	75	40	

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1822

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	2
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	4	4	25	4	4	4	18	4	3	2
Quercus alba			210	95 120 20	125 170	160	240 130 160	75 200 130	260 140 130	120 110 240
Q. ellipsoid										
Q. macrocarpa										
Q. rubra	230 200 240 140	220 170 200 230	160 200	200	260	240 160	300		320	280
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva								1	1	
	15,40 60,70	80,45 30,70	25,75 25,60	40,35 60,18	40,15 12,35	30,45 15,25	15,20 60,40	25,60 35,30	25,8 15,30	20,25 40
Distance	14,40 31,24	9,14 3,42	8,17 6,22	11,39 9,25	11,6 18,22	25,17 14,12	15,4 18,35	28,35 38,30	7,35 21,21	3,18 20,7
	0	75	95	85	30	75	90	0	85	90

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1822

STATION NO.	1	2	3	4	5	6	7	8	9	10							
<i>G. carolinum</i> Acer rubrum								45									
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	20		1	100	2	2	25 30	4	45	4	-	4		4	160	3
Quercus alba	160	250 160 150	580 180 150	140 110	160 140 210	210	100 95 45	180		120 210 230	160						120
Q. ellipsoid			200		180												
Q. macrocarpa																	
Q. rubra	380 180			130		130		180									140 200
Q. velutina																	
Tilia amer																	
Ulmus amer																	
Ulmus fulva								75									
Acer negundo																	
			60	55, 48	50, 40	15, 10	25, 50	35, 10	40, 55	30, 45							
						25, 35	22, 12	30, 60	35, 20	40, 25							
Distance	50, 17 40, 33	8, 32 22, 25	19, 15 21, 40	30, 26 26, 49	6, 60 10, 11	3, 9 22, 48	20, 18 7, 19	12, 35 12, 21	27, 16 5, 6	21, 26 22, 24							
	90	75	10	60	50	100	95	70	75	85							

28

1383.

Tree	No.	No.	No.	No.	No.	Pts.	No.	F. %	D. %	F. %	F. %	D. %	Dom. %	I. I.	C. I.	C. I.
	Pts.	Tr.	Dom.	Sap.	Sap.	Sap.	Sap.	Seed	Seed	Tr.	Tr.	Trees	I. I.	C. I.		
Acerrubrum	1	1	45							1.3	0.6	0.2	2.1	6.3		
A. saccharum																
Carya cord.																
C. ovata																
Celtis occiden.																
Fagus grand.																
Fraxinus amer.																
F. lanceolata																
F. pennsylvani																
Juglans cinere																
J. nigra																
Ostrya virgin.																
Populus grand.																
P. tremuloides																
Prunus serotin	11	12	548				108	83.5	84	14.8	7.5	2.0	24.3	87.5		
Quercus alba	32	78	10685							43.2	48.7	38.2	130.1	468.4		
Q. ellipsoidalis																
Q. macrocarpa																
Q. rubra	29	67	16480							39.1	41.9	59.0	140.0	784.0		
Q. velutina																
Tilia american																
Ulmus american																
U. rubra	2	2	185				10		8	2.7	1.2	0.6	4.5	36.9		
Crataegus							9		7							

Ave. Dist.
Btw'n Trees
20.5
420.2
Ave. BA
(Total
BA ÷ 80)
174.6
No. Trees
Per acre
103.7
Dom. per
acre
18106
Cover
64.2%

53
2809
1600/acre

74 160 27943
129
1383.1

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1822

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum 4

Chenopodium hybridum 48

Cirsium arvense 8, 10

C. discolor

Cornus stolonifera

Dioscorea villosa

Alnus canadensis

Leonurus cardiaca 2

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 145, 10

Oxalis stricta 48, 10

Panicum leibergii

Acalpha virginica 238, 10

mint 478

Stellaria media 9

Phyealis heterophylla

Pilea pumila

Plantago sp. 52

Plantago lanceolata

Poa compressa

P. pratense 1468, 10

Polygonum convolvulus

P. hydropiper 23789, 10

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 1467, 10

Trifolium hybridum 8

T. pratense.

Onopeltis catenaria 12

Verbascum blattaria

Eclipta alata

Woodsia

ilvenace

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala 5
Allium tricoccum
Amphicarpa braceata 23678
Anemone quinquefolia
A. virginiana
Anemonella thalictroides 7
✓ Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
✓ Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 345678,10
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 7
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

Additional species:

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum 5,10
G. lanceolatum
G. triflorum 5
Geranium maculatum 89,10
Gerardia grandiflora
Geum canadense 1235789,10
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
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
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 4
Phlox divaricata
Phryma leptostachya 34568,10
Podophyllum peltatum
Polemonium reptans

Q. rubra 35

P. serotinum 78

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 3
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 4
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati hirsutum 45678
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis 10
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 4579
V. pubescens
Vitis aestivalis 2
V. riparia
Xanthoxylum americ.
Zizia aurea

Panicum

capillare

Euphorbia
vermiculata

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1822

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus?

Bidens sp.

Cerastium vulgatum 47

Chenopodium hybridum 1578

Cirsium arvense

C. discolor

Cornus stolonifera

Dioscorea villosa

Linus canadensis

Leonurus cardiaca 3

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 1468

Oxalis stricta 7

Panicum leibergii

minus 3469 scutellaria leonardi

Acalpha virginiana

Physalis heterophylla

Pilea pumila

Plantago sp.

Plantago lanceolata

Poa compressa

P. pratense 124789

Polygonum convolvulus

P. hydropiper 1345789

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum 679

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 1589

Trifolium hybridum

T. pratense.

Rumex crispus 6

onopeltis cataracta?

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

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Allium tricoccum
Amphicarpa braceata 6
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
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica 3
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 67
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 7
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Additional species:

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 7
Gerardia grandiflora
Geum canadense 13689
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
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
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 68
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 356
Podophyllum peltatum
Polemonium reptans

P. serotina 410

D. fulva 8

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 456, 20
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati or muller 15689
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis 2
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 237
V. pubescens
Vitis aestivalis 5
V. riparia
Xanthoxylum americ.
Zizia aurea