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Site 1812: Jefferson County, Township 6N, Range 15E, Section 14. 1957-08-09

[s.l.]: [s.n.], 1957-08-09

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 1812

Name:

Locality:

County: Jefferson

T: 6N

R: 15E

Sec: 14 E 1/2

Date: Aug 9, 57

Observers:

Size of Stand: 20 acres

Size of Area Sampled: 20 acres

Forest Type: Red Oak

Soil Type:

Topography: Rolling

Slope: 100

Directions: E

Condition of Stand:

Good - some cutting of some of the
alder oaks - sprayed 6 or more years.

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.)

very compact

A₀

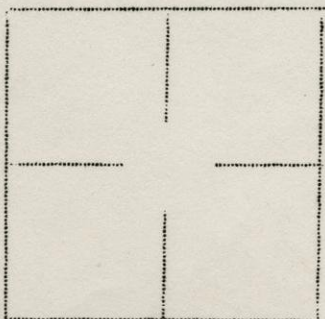
A₁

A₂

B

Parent Material:

Map:



124

27

1812

Tree	No.	No.	No.	Pts.	No.	F.%	D.%	F.%	F.%	D.%	Dom.%	I.I.	C.I.	
	Pts.	Tr.	Dom.	Sap.	Sap.	Sap.	Sap.	Seed	Seed	Tr.	Tr.	Trees		
Acerrubrum														
A. saccharum	14	20	9510		11		9			14.6	12.5	35.6	62.7	627.0
Carya cord.	23	57	5565							23.9	35.6	20.8	80.3	690.6
C. ovata														
Celtis occiden.														
Fagus grand.														
Fraxinus amer.	5	5	1180							5.2	3.1	4.4	12.7	
F. lanceolata	5	5	1180							5.2	3.1	4.4	12.7	38.1
F. pennsylvani														
Juglans cinere														
J. nigra														
Ostrya virgin.	14	22	1038		24		19			14.6	13.7	3.9	32.2	280.1
Populus grand.					1		1							
P. tremuloides														
Prunus serotin					5		4							
Quercus alba	2	3	720							2.0	1.9	2.7	6.6	23.8
Q. ellipsoidalis														
Q. macrocarpa														
Q. rubra	5	5	1580							5.2	3.1	5.9	14.2	79.5
Q. velutina														
Tilia american	7	10	3400							7.3	6.2	12.7	26.2	191.3
Ulmus american	1	1	470							1.0	0.6	1.8	3.4	15.6
U. rubra	19	31	2965		50		46			19.7	19.4	11.0	50.1	410.8
Crataegus	4	4	175		33		24			4.2	2.5	0.6	7.3	7.3
Prunus sp	1	1	110							1.6	0.6	0.4	2.0	2.0
Morus alba	1	1	55		2		2			1.0	0.6	0.2	1.8	1.8
	96	160	26768		124									2367.9

Ave. Dist.
Btw'n Trees
27.7

767.3

Ave. BA
(Total
BA ÷ 80)

167.3

No. Trees
Per acre
57.8Dom. per
acre
9669Cover
55.7%

31

961

45 sq/acre

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1812

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum			1	1		500	1	2	1	450
Betula papy.										
Carpinus car										
Carya cord	100 140	85 50	100 120 80 100	100 90 120	100 110	120				
C. ovata										
Celtis occ										
Crataegus sp.			1	35	1	1	1	1		
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg					1	60 40	40	1	1	1
Populus gran										
P. tremul										
Prunus serot			1	1						
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra	290	290							350	320
Q. velutina										
Tilia amer								380	380	
Ulmus amer										
Ulmus fulva	30	1	1	2	30 35	1	50 130 160	180 130 100	2	160
	50	90	5,8 10,30	5,10 4,15	5,7 15,20	5,20 30,	60,65 30,45	15,20 20,40	20,35 35,45	20,25 25,15
Distance	16,50 25,12	13,22 5,16	30,45 30,35	13,40 17,40	30,35 20,35	8,35 25,24	68,16 10,27	41,40 35,55	38,42 16,55	24,25 17,38
	75	90	0	95	0	80	80	0	0	60

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1812

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>	250	480 320	480 480	480 1		480 440	360		370	
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>									160 140 210	140 160
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>		1	3	1	1	3			30	
<i>Fagus grand</i>										
<i>Fraxinus am</i>	350									
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg</i>	45	50	65 40	80 40 35	2		65	30 35 25	2 40 20	20
<i>Populus gran</i>						1				
<i>P. tremul</i>										
<i>Prunus serot</i>						30				
<i>Quercus alba</i>					320 280					
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>					300					
<i>Q. macrocarpa</i> <i>Q. velutina</i>					55		1	1		
<i>Tilia amer</i>								210		
<i>Ulmus amer</i>										470
<i>Ulmus fulva</i>		4 40	2					1	2	3 4
<i>Frax. pensyl.</i> <i>var. lanceolata</i>	170							200		1
	20,20 30 25	15,55 25,30	20,10 20,85	20,35 60,70	30,60	5,35 40,40	30,25 20,40	10,20 60,50	20,35 15,40	20,50 35,30
Distance	20,50 50,17	40,18 17,40	27,40 30,41	30,14 20,22	40,70 20,59	35,30 28,38	19,8 62,34	24,40 14,14	17,8 50,13	42,21 40,42
	80	60	35	90	85	0	80	50	100	70

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1812

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum			840	1840 580 450	1450					560 250
Betula papy.										
Carpinus car										
Carya cord						80 120 20	140 80 70	120 100 80 75	200 140 50 110	150
C. ovata										
Celtis occ										
Crataegus sp.	1		1		1	1	2	2	1	2
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg	2	35	1		35 50	250	2	2	1	1
Populus gran										
P. tremul										
Prunus serot	1	1				1				
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer	480 260 800	260 240								
Ulmus amer										
Ulmus fulva	160	140	2	140 65 40	2360	380	1		235	1
	20,35 40,60	30,45 70,30	8,7 5,20	20,40 25,60	40,25 60,4	40,15 25,25	10,20 35,30	60,40 30,15	10,20 15	15,10 25,30
Distance	35,25 38,20	16,15 7,27	40,19 22,48	60,12 22,27	10,16 44,28	44,17 12,48	9,22 31,30	75,38 10,30	10,30 30,55	27,42 26,5
	0	100	0	100	65	85	75	70	50	85

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1812

STATION NO.	1	2	3	4	5	6	7	8	9	10					
Acer rubrum															
A. saccharum							1		1						
Betula papy.															
Carpinus car															
Carya cord															
C. ovata 	100 20 40	65 40 100 50	65 40	35 110 210	150 55	100 130	100	35	40 90	130					
Celtis occ															
Crataegus sp.	1	1	25	1	1	1	1	1	1	85					
Fagus grand															
Fraxinus am ^{Penn} _{sub nte} ^{19m}						250	210	210							
F. nigra															
Juglans cin.															
J. nigra															
Ostrya virg					100										
Populus gran															
P. tremul															
Prunus serot															
Quercus alba					200										
Q. ellipsoid															
Q. macrocarpa															
Q. rubra															
Q. velutina															
Tilia amer			330				430								
Ulmus amer															
Ulmus fulva				70	100	1	90	2	35 20	3	35 40	2	40 55	1	40 55
Psycos sp.	110														
	72	15	15	75	25, 60	35, 20 25, 20	20, 35 35, 40	30, 40 7	45, 30 45						
Distance	30, 25 15, 8	16, 20 20, 10	15, 21 42, 35	16, 30 20, 19	17, 6 15, 23	32, 28 20, 16	21, 31 48, 35	20, 38 35, 22	24, 14 29, 23	2, 26 10, 55					
	70	80	0	45	80	95	0	40	10	50					

SE slope

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1812

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arotium minus

Bidens sp.

Cerastium vulgatum

Chenopodium hybridum

Cirsium arvense

C. discolor

Cornus stolonifera

Dioscorea villosa

Linus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 13467

Oxalis stricta 179

Panicum leibergii

Erigeron phil.

Lepidium virginicum

Verbascum Thapsus

✓ Physalis heterophylla

Pilea pumila

Plantago sp. 340

Plantago lanceolata

Poa compressa

P. pratense 12456789,10

Polygonum convolvulus

P. hydropiper

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 13469

Trifolium hybridum 137

T. pratense.

Ephedra supina 15

Cotinus 2

Achillea millefol 7

TP. ed. 102

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp. 1679
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 10
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica 369
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
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

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 36
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
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 137
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 2
Podophyllum peltatum 3
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 70
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati 9 *Hindellon*
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
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 123467,10
V. pubescens 2
Vitis aestivalis
V. riparia
Xanthoxylum americ. 2469,10
Zizia aurea

Additional species:

Acer sac. 2,10

Tilia 2

Ostrya 3

Viburnum 4

agastache
nepetoides
Aster lateriflora

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1812

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus ²

Bidens sp.

Cerastium vulgatum ³⁹

Chelopodium hybridum

Cirsium arvense ^{2 47, 10}

C. discolor

Cornus stolonifera

Dioscorea villosa

Elmus canadensis

Leonurus cardiaca ⁹

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi ^{1349, 10}

Oxalis stricta

Panicum leibergii

Eragrostis pulchra ²

Eragrostis phil ³

Catnip

B-6

~~Acahypha~~ Acalypha
~~virginica~~ virginica

Physalis heterophylla

Pilea pumila

Plantago sp. ³

Plantago lanceolata

Poa compressa

P. pratense ^{1 2 34 56 789, 10}

Polygonum convolvulus

P. hydropiper

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum ^{dulcamara}

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale ¹³⁴⁵⁶⁷⁹

Trifolium hybridum ^{4, 10}

T. pratense.

P

Achillea

Euphorbia supina

Verbena officinalis

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum 8
✓ Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp. 146, 10
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 56
Asarum canadensis
Aster macrophyllus
A. sagittifolius 9
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica 246
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 59
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

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 3589
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
✓ Geranium maculatum 3
Gerardia grandiflora
Geum canadense 349
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
✓ Heuchera richardsonii 342
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 1346
Parthenocissus inserta 78
Phlox divaricata
Phryma leptostachya 35789
Podophyllum peltatum 2
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 35C
R. recurvatus 5
R. septentrionalis
Rhus radicans
Ribes americanum 2, 10
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 5
R. occidentalis
R. strigosus
Sambucus canadensis
✓ Sanguinaria canadensis 59
Sanicula gregaria 89
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 1235689, 10
V. pubescens 56
Vitis aestivalis
V. riparia
✓ Xanthoxylum americ. 2579
Zizia aurea

Additional species:

2-2 Aster lateriflora

Bourc - 10

Cynoplossum
officinale

Prunus serotina 2
V. fulva 25689-10
Acer sac 59
Ostrya 10

Fragaria
pennsylvanica
var. subintermedia
Medicago
polypodica