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Site 1823: Rock County, Township 1N, Range 11E, Section 22. 1957-09-13

[s.l.]: [s.n.], 1957-09-13

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. *1P23*

Name:

County: *Rock*

Date: *Sept 13*

Size of Stand:

Forest Type:

Topography:

Locality:

T: *1N* R: *11E* Sec: *22*

Observers: *E.T.C.*

Size of Area Sampled:

Soil Type:

Slope:

Directions:

Condition of Stand:

*Good - slight cutting
grazed until this year.*

Open Grown Trees:

Stumps:

1.

4.

2.

5.

3.

6.

% Canopy:

7.

10.

8.

11.

9.

12.

Soil Data:

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

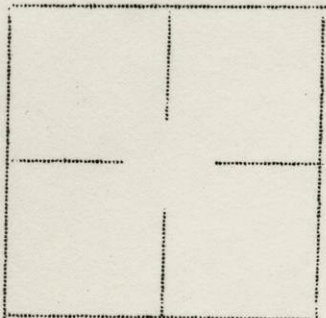
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>0-1</i>	<i>leaf litter - grass in place</i>
A ₁	<i>1 1/2-3</i>	<i>black sandy loam</i>
A ₂	<i>1-4</i>	<i>light brown</i>
B		<i>light brown</i>

Parent Material:

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1823

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>	120	25	1, 25 30 40	1, 120 110	45	35 30	45 30 35 160	50 25 120	80 15 130	30 100 75
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<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>	3	2	1	3	1	4	3		120	
<i>Quercus alba</i>										
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>		30								
<i>Q. rubra</i>										
<i>Q. velutina</i>	180 240	160	220	220	190 170 140	130 360		150		
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>	140	160	1	1				1		
<i>more abo</i> <i>Juniper</i>										
	25, 30 15, 20	15, 30 35, 70	15, 25 15, 00	10, 8 7, 1	25, 40 40	10, 05 20, 50	10, 8 9, 15	25,	50, 40	30, 40
Distance	20, 8 13, 50	14, 45 30, 15	16, 19 22, 30	17, 17 31, 35	12, 20 14, 23	26, 22 27, 13	13, 25 15, 20	35, 8 30, 21	19, 30 14, 35	35, 16 24, 29
	95	80	60	0	25	60	40	90	35	0

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1823

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 30 40 120	1 120 65	30 100	1 75 180	130 120 100 120	140 160	65 25 35 40	1 75 95 70 60	20 60	1
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>	1	1							1	1
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>		140	120	1	3	2			3	
<i>Quercus alba</i>										
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>				110						
<i>Q. rubra</i>										
<i>Q. velutina</i>	160 140 220 200			120	240 300	330 200	390 200			310 380
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>			200	2	1			1		1
<i>J. niper</i>				1						
	20, 20	65, 70	8, 15 30	15, 25 60	10, 30 30	00, 8	0	15, 10	10, 10 25, 30	11, 15 60
Distance	12, 26 13, 39	22, 29 22, 8	24, 40 27, 20	20, 10 17, 29	5, 20 35, 20	3, 25 22, 30	2, 23 5, 15	5, 35 12, 12	10, 18 35, 25	14, 19 18, 23
	100	70	75	80	50	60	95	90	15	40

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1823

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>										
<i>C. ovata</i>	100	1 65	35 160	70	2	70 75	12		25 70 35	55 75
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>				180	1	100 150 25	95	1		
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>			1 65	3 25	1	1 65	1 40	40		140
<i>Quercus alba</i>										
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>									85	
<i>Q. rubra</i>										
<i>Q. velutina</i>	260 250 170	220 180 300		180	160	250	170 210 230	240 210		
<i>Tilia amer</i>										
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>			170		1			65		110
<i>pyrus malensis</i>	3	3	1	1	2	1	4	4	4	4
<i>Juniper</i>										
	10,20 25,18	5,15 20,10	10,8 15,5	30,90 25,20	30,40 60,25	10,10 25,30	10,10 10,15	10,8 5,5	15,25 10,8	60,20 8,40
Distance	9,25 32,13	21,35 50,19	9,15 30,25	32,8 24,11	10,25 20,14	7,7 13,27	30,8 50,21	7,22 17,30	32,38 12,14	23,18 20,15
	90	95	70	76	75	90	95	85	30	0

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1723

STATION NO.	1	2	3	4	5	6	7	8	9	10
Morus alba Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord			7							
C. ovata			25 23 120	100 30	18 40	30 18	1 45	3 130	30	
Celtis occ										
Crataegus sp.						1				
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra	15	1	2	200	260 200	120 260	120 290 70	150	1 150	1 140
Ostrya virg										
Populus nalis Populus gran										35
P. tremul										
Prunus serot		130		80				60	160	200
Quercus alba										
Q. ellipsoid										
Q. macrocarpa		120	65			1	1			
Q. rubra										
Q. velutina	200 190	190							370	370
Tilia amer										
Ulmus amer										
Ulmus fulva	260			1	2	1	1	170		1
Juniperus	1									
Pinus strobus	2	3	2	3	1				3	2
Pinus strobus	30, 30 25, 25	10, 8 6, 12	10, 25 10, 8	10, 8 40, 15	10, 50 60, 35	60, 30 40, 40	40, 120 70, 50	60, 60 30, 30	10, 10 40, 75	50, 8 32, 9
Distance	30, 35 7, 22	7, 20 5, 22	20, 18 14, 16	6, 28 12, 15	26, 30 29, 40	17, 16 32, 32	11, 12 25, 10	22, 21 19, 9	5, 7 36, 30	11, 50 41, 17
	10	10	75	90	0	30	85	80	90	70

72p U

1823

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	F. % : Seed	F. % : Seed	D. % : Tr.	Dom. % : Tr.	I. I. :	C. I. :	CI :
Acerrubrum														1231.0
A. saccharum														
Carya cord.	34	76	5186					30.4	47.5	26.7	110.6			
C. ovata	34	76	5186		17		13	36.4	47.5	26.7	110.6	497.7		
Celtis occiden.														
Fagus grand.														
Fraxinus amer.														
F. lanceolata														
F. pennsylvani														
Juglans cinere														
J. nigra	11	17	2495		15		11	11.8	10.6	12.8	35.2	221.8		
Ostrya virgin.														
Populus grand.														
P. tremuloides														
Prunus serotin	13	13	1345		33	252	25	13.9	8.1	6.9	28.9	104.0		
Quercus alba								13.9	8.1	6.9	28.9			
Q. ellipsoidal														
Q. macrocarpa	5	6	510		3		2	5.3	3.7	2.6	11.6	11.6		
Q. rubra														
Q. velutina	21	39	8570					22.5	24.4	44.1	91.0	227.5		
Tilia american														
Ulmus american														
U. rubra	8	8	1285		15		11	8.7	5.0	6.6	20.3	166.5		
R. sp.	1	1	35		43		4	1.1	0.6	0.2	1.9	1.9		
Juniper					5		4							
R. sp.					43		33							
	93	160	19426		131									1231.0

Ave. Dist.
Btw'n Trees
21.4

MA = 458.0

Ave. BA
(Total
BA ÷ 80)

121.4

No. Trees
Per acre
95.1

Dom. per
acre
11545.1

Cover
60.5%

Sap
23.0

72 sap/acre

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. _____ 1823

✓ Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum

✓ Chenopodium hybridum

Cirsium arvense?

C. discolor

Cornus stolonifera

Dioscorea villosa

Alnus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi 58

Oxalis stricta

Panicum leibergii

Nedeoma polid. 1529, 10

Acaylpha virgin 378, 10

Oenothera 7

Asclepias verticill 8, 10

Verbena strictifolia

Physalis heterophylla

Pilea pumila

Plantago sp.

Plantago lanceolata

Poa compressa

P. pratense 256789, 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 259

Trifolium hybridum

T. pratense.

Achillea millefol

Onopeltis asarifolia 38

Verbascum thapsus

Euphorbia maculata

Paronychia
canadensis

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala 25
Allium tricoccum
Amphicarpa braceata 258
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. pensylvanica 4
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 3509
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa 48
Corylus americana
Cryptotaenia canadensis 39
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus 4
Erythronium albidum
Eupatorium purpureum

Additional species:

Erigeron annuus

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 57
Galium aparine
G. circaeazans
G. concinnum 46
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 10
Parietaria pennsylvanica
Parthenocissus inserta 4
Phlox divaricata
Phryma leptostachya 38
Podophyllum peltatum
Polemonium reptans

V. fulva 24569

P. serotina 34610

Lysim. 3,8

Phlox

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 26
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 2
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati 4
R. missouriense 39
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 2
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 14569
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. _____

1823

Ambrosia artemisiifolia
A. trifida †
Anemone cylindrica
Arabis canadensis
Arctium minus
Bidens sp.
Cerastium vulgatum
Chenopodium hybridum
Cirsium arvense
C. discolor
Cornus stolonifera
Dioscorea villosa
Elmus canadensis
Leonurus cardiaca †
Lithospermum latifolium
Medicago lupulina
Milium effusum
Muhlenbergia schreberi 3458
Oxalis stricta
Panicum leibergii
Nedecoma poledodica
Aster oblongifolius pilosus
A. ostrya virginica

Physalis heterophylla
Pilea pumila
Plantago sp. 13
Plantago lanceolata
Poa compressa
P. pratense 4510
Polygonum convolvulus
P. hydropiper
Frunella vulgaris †
Rudbeckia hirta
Rumex acetosella
Scrophularia marilandica
Senecio pauperculus
Setaria glauca
Solanum nigrum
Solidago latifolia
S. caesia
Stellaria media
Taraxacum officinale †
Trifolium hybridum †
T. pratense.

Achillea millefolium †
Lachna canadensis
Viburnum nudifolium †
Phytolacca

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala 12346 10
Allium tricoccum
Amphicarpa braceata 8
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. pensylvanica 2 479
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 12689
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa 359 10
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 56
Galium aparine
G. circaeazans 10
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 38
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 67
Phlox divaricata
Phryma leptostachya 3467
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 9
Prenanthes alba 8
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 2
Ribes americanum
R. cynosbati
R. missouriense 6
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria 7
S. marilandica
Smilacina racemosa
S. stellata 10
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 8, 10
V. pubescens
Vitis aestivalis 7
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

U. fulva 2 4689

C. ovata 54

P. serotinus 679

Asaphoglossa obtusifolia

Q. velutina 10