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Site 1808: Dane County, Township 6N, Range 9E, Section 22. 1957-06-26

[s.l.]: [s.n.], 1957-06-26

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 1702

Name:

Locality:

County: Dane

T: 6N

R: 9E

Sec: 22 center

Date: 6/28/57

Observers: E.T.C.

Size of Stand:

Size of Area Sampled:

Forest Type: Black white oak

Soil Type: clayey loam

Topography: level

Slope: Directions:

Condition of Stand: Slight cutting, some time ago.
Well grazed - no fire recently.

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"	black
A ₁	1"	black clayey loam
A ₂	1"	
B	from 2" down	yellow clayey

Parent Material:

Map:



↑ N

744

1808

905.2

Tree	No.	No.	No.	No.	F.	D.	F.	F.	D.	Dom.	I.I.	C.I.	Stand C1
	Pts.	Tr.	Dom.	Sap.	Sap.	Sap.	Sap.	Seed	Seed	Tr.	Tr.	Trees	
Acerrubrum													
A. saccharum													
Carya cord.													
C. ovata	2	2	120							2.5	1.2	0.4	4.1 18.4
Celtis occiden.													
Fagus grand.													
Fraxinus amer.													
F. lanceolata													
F. pennsylvani													
Juglans cinere													
J. nigra													
Ostrya virgin.													
Populus grand.													
P. tremuloides													
Prunus serotin	2	2	420		29	69	69			2.5	1.2	1.5	5.2 18.7
Quercus alba	36	98	16065		8		19			46.1	58.1	59.4	163.6 589.0
Q. ellipsoidalis													
Q. macrocarpa	14	20	2840		1		2			18.0	12.5	10.5	41.0 41.0
Q. rubra	3	3	800							3.8	1.9	3.0	8.7 48.7
Q. velutina	20	39	6745							25.6	24.4	25.0	75.0 187.5
Tilia american										25.6	24.4	25.0	75.0
Ulmus american													
U. rubra													
Malus alba	1	1	25		4		9			1.2	0.6	0.1	1.9 1.9
Total	78	160	27615		42								905.2

Ave. Dist.
Btw'n Trees
22.0

484.0

Ave. BA
(Total
BA ÷ 80)
168.8No. Trees
Per acre
90.Dom. per
acre
15192Cover
57.9%sap.
92.5
85565 sap/
acre

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1808

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										
Quercus alba	100	65		40 170	170 170 30 40	40 270 100 160	200 65	300 85		150 55
Q. ellipsoid										
Q. macrocarpa							45	60	150	
Q. rubra										
Q. velutina	160 200 170	260 170 120	120 240 110 90	210 95			270	210	230 200 160	330 130
Tilia amer										
Ulmus amer										
Ulmus fulva										
<i>malus</i>		1	1	1	1					
	75	45	25	75	0	0	70	10		0
Distance	25, 20 5, 7	10, 5 29, 13	10, 19 22, 25	16, 33 10, 14	17, 16 4, 4	10, 40 45, 40	8, 14 11, 12	17, 15 29, 7	9, 15 16, 22	16, 11 17, 18
	95%	90	10%	40%	60%	30%	90%	70%	85%	95%

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1802

STATION NO.	1	2	3	4	5	6	7	8	9	10		
Acer rubrum												
A. saccharum												
Betula papy.												
Carpinus car												
Carya cord												
C. ovata									35			
Celtis occ												
Crataegus sp.												
Fagus grand												
Fraxinus am												
F. nigra												
Juglans cin.												
J. nigra												
Ostrya virg												
Populus gran												
P. tremul												
Prunus serot		2	1	1		210	210			1		
Quercus alba	120 80 100	110 100 120 65	200 200 65	160 270 280 210	270	1	440 210 120	1	210 100	1	360 1	540 1
Q. ellipsoid												
Q. macrocarpa					170 160		180	180 150 60	60 380			
Q. rubra												
Q. velutina	75		75		190						130 120 140 110	
Tilia amer												
Ulmus amer												
Ulmus fulva												
		20,35	25	45	25	10	45	50	35 55			
Distance	21,17 7,32	22,30 7,8	23,16 9,35	50,17 38,8	16,28 38,25	20,18 20,28	27,48 13,24	15,20 37,40	30,55 7,8	5,8 2,18		
	85%	50%	60%	50	80%	0%	75	30%	80%	80%		

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1803

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		1	1	2	3	1	1		4	2
Quercus alba	160 200	130 160	300 120	150 190,80	190 260 340	35 230 140 260	270 130 410	150 410 300	180 300	170 1
Q. ellipsoid										
Q. macrocarpa		340	180		45					75
Q. rubra	180	320						300		
Q. velutina	160		220						190 250	220 230 170
Tilia amer										
Ulmus amer										
Ulmus fulva										
malaga sp.				25						
52p	0	100	60	10,8 30	40,35 15	40	50	0	10,35 50,20	15,20 60
Distance	55,23 22,2	21,25 26,34	26,27 29,38	36,39 7,5	25,27 32,32	24,34 26,37	14,15 22,45	42,10 32,41	27,29 50,13	21,13 50,27
	90%	25%	85%	90	50%	50%	75%	85	15%	15%

01001

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1708

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata						85				
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot	1	1	1				2	2	1	
Quercus alba	45 80 22 28	110 120 65 310	310 250 180 120	130 90 110	130 210 100	100	75	320	130 160 230 140	55 230 130
Q. ellipsoid										
Q. macrocarpa					25	45 190	190 150	140	1	
Q. rubra										
Q. velutina				210			170	170 120		170 150
Tilia amer										
Ulmus amer										
Ulmus fulva										
	75	45	60			27, 18	10, 20	15 95		0
Distance	11, 12 22, 20 45%	25, 27 23, 14 40%	59, 27 9, 20 85%	14, 29 30, 35 70%	17, 19 19, 9 35%	17, 13 27, 30 25%	27, 8 35, 35 15%	9, 15 9, 22 60%	10, 14 22, 42 75%	11, 16 30, 30 25%

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1808

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp. 10

Cerastium vulgatum

Chenopodium hybridum

Cirsium arvense 136

C. discolor

Cornus stolonifera

Dioscorea villosa

Elmus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi

✓ Oxalis stricta

Panicum leibergii

Asclepias syriac 1468

Ambrosia trifida 3

A. 1 Heckelia virginica

Immolata

mary

~~some~~ ~~some~~ ~~some~~

Physalis heterophylla

Pilea pumila

Plantago sp. 1345

Plantago lanceolata

Poa compressa

P. pratense 1234578

Polygonum convolvulus 6 - how big seeds?

P. hydropiper

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella 1, 10

Scrophularia marilandica

Senecio pauperculus

Setaria glauca

Solanum nigrum 26 decumans

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 1, 345, 10

Trifolium hybridum 1

T. pratense 5

Rumex crispus 24

Urtica 39

Scilla maritima

Asparagus sp.

Lysichiton alba?

✓ Erigeron philadelphicus

Potentilla recta

Cornus uliginosa

Solidago gigantea

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 1234568,10
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 4
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 246789,10
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa racemosa
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 5
Fragaria virginiana 1234568,10
Galium aparine 4,10
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum 8,9
Geranium maculatum
Gerardia grandiflora
Geum canadense 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 7
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 1,7
Parthenocissus inserta 24689
Phlox divaricata
Phryma leptostachya 57,10
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba canadensis 467
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 1235
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati 5,9,10
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis 24789
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 135678
V. pubescens
Vitis aestivalis
V. riparia 9
Xanthoxylum americ.
Zizia aurea

Additional species:

A. macrocarpa 2
Prunus virginiana 8

Rubus flagellaris 89

Ribes nigrum 10

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1803

Ambrosia artemisiifolia 2 8
 A. trifida
 Anemone cylindrica
 Arabis canadensis
 ✓ Arctium minus
 Bidens sp. 8
 Cerastium vulgatum 12356
 Chenopodium hybridum
 ✓ Cirsium arvense 2
 C. discolor 9
 Cornus stolonifera
 Dioscorea villosa
 Elmus canadensis
 Leonurus cardiaca
 Lithospermum latifolium
 Medicago lupulina
 Milium effusum
 ✓ Muhlenbergia schreberi 39
 Oxalis stricta 126
 Panicum leibergii

Citrus 2

Achillea 2

Asteraria plantaginifolia 235

Physalis heterophylla
 Pilea pumila
 Plantago sp. 235
 Plantago lanceolata
 Poa compressa
 P. pratense 1234567
 Polygonum convolvulus
 P. hydropiper 4
 Prunella vulgaris
 Rudbeckia hirta
 Rumex acetosella
 Scrophularia marilandica
 Senecio pauperculus
 Setaria glauca
 Solanum nigrum ~~dicumneris~~ 9
 Solidago latifolia
 S. caesia
 Stellaria media
 Taraxacum officinale 1,2,3,4,5,6
 Trifolium hybridum 12
 T. pratense 15

Ranunculus acris 1
 Hyacinth 3, canadensis
 Verbascum thapsus 1
 Lactuca (prickly) 2

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 26 89,10
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
Athyrum filix-femina
Botrychium virginianum 7
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 3456789,10
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 134,10
Galium aparine 89
G. circaezans
G. concinnum 4,8
G. lanceolatum
G. triflorum
Geranium maculatum 49
Gerardia grandiflora
Geum canadense 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 22 68,10
Parthenocissus inserta 8,10
Phlox divaricata 4
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus 12345
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati 2 7,10
R. missouriense
Rosa sp.
Rubus allegheniensis 9
R. occidentalis 47 9,10
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 234 68,10
V. pubescens
Vitis aestivalis
V. riparia 36 78,10
Xanthoxylum americ.
Zizia aurea

Additional species:

Prunus virginiana 357
Dodecatheon meadia
Prunus serotina 467

Urtica canadensis
Q. alba 7
Urtica 8,9,10
U. fulva

Batrachium
multifidum