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Site 1845: Ok, Green County, Township 1N, Range 9E, Section 17; Township 1N, Range 9E, Section 18.

[s.l.]: [s.n.], [s.d.]

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 6845

Name: *OK.*
County: *Green*

Locality:
T: *1N* R: *9E* Sec: *17-18*

Date:
Size of Stand: *20 acres*
Forest Type: *Elm*
Topography: *Rolling*

Observers:
Size of Area Sampled: *10*
Soil Type:
Slope: Directions:

Condition of Stand: *Heavy grazing. Cutting to open stand.*

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 | | | | | | | | | |

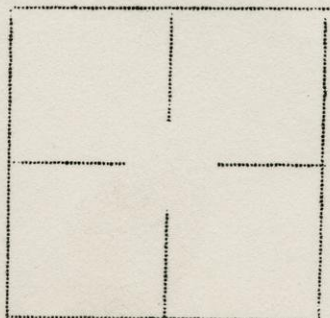
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

| | |
|----------------|-------|
| A ₀ | |
| A ₁ | |
| A ₂ | |
| B | |

Parent Material:

Map:



Air men.

| | |
|---------|-----|
| 200 | 210 |
| 177 | 184 |
| 170 | 145 |
| <hr/> | |
| 3 558 | 529 |
| 186 | 176 |

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1895

| STATION NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------|----------------|-------------------------|------------------|-------------------|----------------|----------------|-------------------|----------------|-------------------|--------------------------|
| Acer rubrum | | | | | | | | | | |
| A. saccharum | | | | | | | | | | |
| Betula papy. | | | | | | | | | | |
| Carpinus car | | | | | | | | | | |
| Carya cord | | | 25 | 116 | 110 45 | | | 65 | | |
| C. ovata | | | | | | | | | | |
| Celtis occ | | | | | | | | | | |
| Crataegus sp. | 35 | 2 | 3 | 2 | 4 | 25 | 4 | 25 | 4 | 2 |
| Fagus grand | | | | | | | | | | |
| Fraxinus am | | | | | | | | | | |
| F. nigra | | | | | | | | | | |
| Juglans cin. | | | | | | | | | | |
| J. nigra | | | | | | | | | | |
| Ostrya virg | | | | | | | | | | |
| Populus gran | | | | | | | | | | |
| P. tremul | | | | | | | | | | |
| Prunus serot | | | | | | | | | | |
| Quercus alba | | | | | 240 | 240 | | | | |
| Q. ellipsoid | | | | | | | | | | |
| Q. macrocarpa | | | | | | | | | | |
| Q. rubra | | | | | | | | | | |
| Q. velutina | 520 | | | | | | | | | |
| Tilia amer | | | | | | | 240 | | | |
| Ulmus amer | | | | | | | | | | |
| Ulmus fulva | 560 440 | 128 470 790 45 | 220 85 340 | 320 240 180 | | 340 280 | 280 190 200 | 740 220 | 360 120 130 | 140 220 200 100 |
| | 35,13 | 60,48 40,50 | 75,70 100,50 | 27,57 60,43 | 45,40 30,35 | 30,45 15,20 | 5,15 25,40 | 40,05 8,35 | 20,40 45,75 | 62,41 |
| Distance | 60,55 66,35 | 31,34 70,60 | 27,4 31,42 | 42,43 27,60 | 25,60 35,65 | 40,60 50,45 | 25,55 100,60 | 50,35 40,56 | 8,18 27,14 | 30,10 15,24 |
| | 0 | 70 | 75 | 0 | 0 | 0 | 0 | 0 | 80 | 10 |

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1845

| 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. | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 |
| Fagus grand | | | | | | | | | | |
| Fraxinus am | | | | | | | | | | |
| F. nigra | | | | | | | | | | |
| Juglans cin. | | | | | | | | | | |
| J. nigra | | | | | | | | | | |
| Ostrya virg | | | | | | | | | | |
| Populus gran | | | | | | | | | | |
| P. tremul | | | | | | | | | | |
| Prunus serot | | | | | | | | | | |
| Quercus alba | | | | | | | | | | |
| Q. ellipsoid | | | | | | | | | | |
| Q. macrocarpa | | | | | | | | | | 260 |
| Q. rubra | | | | | | | | | | |
| Q. velutina | | | | | | | | | | |
| Tilia amer | | | | | | | 340 | | | |
| Ulmus amer | | | | | | | | | | |
| Ulmus fulva | 140 180 120 140 | 310 140 240 190 | 160 120 130 180 | 220 160 180 200 | 340 180 210 120 | 160 180 380 260 | 260 250 380 | 320 280 440 320 | 420 380 440 320 | 320 360 300 |
| | 50,20 | 10,20 40,78 | 3,25 4,70 | 3,15 6,20 | 15,65 45,10 | 10,15 15,60 | 60,100 40,40 | 50,60 100,100 | 42,160 | 25,00 |
| Distance | 50,25 6,75 | 20,15 60,40 | 30,13 30,66 | 15,14 40,30 | 20,15 35,30 | 45,16 55,50 | 21,50 5,20 | 50,15 60,60 | 29,40 28,75 | 25,20 50,35 |
| | 70 | 0 | 15 | 60 | 45 | 0 | 65 | 0 | 0 | 0 |

7 ap

46

1845

| Tree | :No. :No. : | :No.Pts.:No. : | :F.% :D.% : | : F.% : F.% : D.% : | Dom.% : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
|------------------|-------------|----------------|-------------|----------------------|-------------|-----------|---------|--------|--------|-------|----|------|--------|---|---|---|---|---|---|
| | :Pts.:Tr. : | Dom. : | Sap. : | Sap. : Sap. : Sap. : | Seed:Seed : | Tr. Tr. : | Trees : | I.I. : | C.I. : | : | : | : | : | : | : | : | : | : | : |
| Acerrubrum | | | | | | | | | | | | | | | | | | | |
| A. saccharum | | | | | | | | | | | | | | | | | | | |
| Carya cord. | 4 5 | 355 | | 1 1 | | | | | | 12 6 | 2 | 20 | 172 | | | | | | |
| C. ovata | | | | | | | | | | | | | | | | | | | |
| Celtis occiden. | | | | | | | | | | | | | | | | | | | |
| Fagus grand. | | | | | | | | | | | | | | | | | | | |
| Fraxinus amer. | | | | | | | | | | | | | | | | | | | |
| F. lanceolata | | | | | | | | | | | | | | | | | | | |
| F. pennsylvani | | | | | | | | | | | | | | | | | | | |
| Juglans cinere | | | | | | | | | | | | | | | | | | | |
| J. nigra | | | | | | | | | | | | | | | | | | | |
| Ostrya virgin. | | | | | | | | | | | | | | | | | | | |
| Populus grand. | | | | | | | | | | | | | | | | | | | |
| P. tremuloides | | | | | | | | | | | | | | | | | | | |
| Prunus serotin | | | | | | | | | | | | | | | | | | | |
| Quercus alba | 2 2 | 480 | | | | | | | | 6 2.5 | 3 | 11.5 | 41.4 | | | | | | |
| Q. ellipsoidalis | | | | | | | | | | | | | | | | | | | |
| Q. macrocarpa | 1 1 | 260 | | | | | | | | 3 1 | 1 | 5 | 5 | | | | | | |
| Q. rubra | | | | | | | | | | | | | | | | | | | |
| Q. velutina | 1 1 | 520 | | | | | | | | 3 1 | 3 | 7 | 17 | | | | | | |
| Tilia american | 2 2 | 580 | | | | | | | | 6 2.5 | 3 | 11.5 | 83.9 | | | | | | |
| Ulmus american | | | | | | | | | | 4 2.5 | | | | | | | | | |
| U. rubra | 20 65 | 17030 | | | | | | | | 59 81 | 88 | 228 | 1869.6 | | | | | | |
| Crataegus sp | 4 4 | 120 | | 20 69 | 99 | | | | | 12 5 | 1 | 18 | 18 | | | | | | |
| | 34 80 | 19345 | | | | | | | | | | | | | | | | | |

2206.9

Ave. Dist. Btw'n Trees

40

1600

Ave. BA (Total BA ÷ 80)

241

No. Trees Per acre

27

Dom. per acre

6507

49

2401

18 sap/acre

24 7/8 cones

34 80 19345 70 2206.9

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1845

Ambrosia artemisiifolia 4

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum 1

Chenopodium hybridum

Cirsium arvense

C. discolor 1568

Cornus stolonifera

Dioscorea villosa

Linus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina

Milium effusum

Muhlenbergia schreberi

Oralis stricta 4

Penicum leibergii

inflata
Zobelia 3 18 - primum

Achillea 1 23456789

Asclepias vertic 3456

Daucus
cor. 68

Cynoglossum 8

Physalis heterophylla

Pilea pumila

Plantago sp. 1 8

Plantago lanceolata

Poa compressa

P. pratense 1 2345678910

Polygonum convolvulus

P. hydropiper

Prunella vulgaris 1 36

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca 1367

Solanum nigrum

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 1235678910

Trifolium hybridum repn 12356789

T. pratense.

Juncus 3

Panicum? 4

" 28 567

Senecio pauperculus
b-rumex 67

Crataegus 810

Cary cor 910

Presence or Frequency
(Common species only)

Stand. no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

Adiantum pedatum
 Arifimonia grypsocarpa 2
 Amphicarpa braceata
 Anemone quinquefolia
 Anemonella thalictroides
 Antennaria sp.
 Aquilegia canadensis
 Arisaema atrorubens
 Aster sagittifolius 5
 A. shortii
 Athyrium filix-femina
 Botrychium virginianum
 Campanula americana
 Carex albursina
 C. pennsylvanica 3 6 8 9 10
 Caulophyllum thalictroides
 Celastrus scandens
 Circaea quadrisulcata
 Cornus rugosa
 Corylus americana
 Cryptotaenia canadensis
 Lesmodium glutinosum
 Dodecatheon meadia
 Erigeron pulchellus
 Eupatorium purpureum
 Eupatorium rugosum
 Festuca obtusa
 Fragaria virginiana 12 8 9 10
 Galium aparine
 G. concinnum 9 10
 G. triflorum
 Geranium maculatum 9
 Geum canadense 10
 Hackelia virginica
 Helianthus strumosus
 Heuchera richardsonii
 Hydrophyllum virginianum
 Impatiens pensilvanica
 I. pallida
 Isopyrum biternatum
 Lactuca biennis
 Laportea canadensis
 Monarda fistulosa
 Osmorhiza clayton.

Osmorhiza longistylis
 Panax quinquefolia
 Panicum latifolium
 Parietaria pennsylvanica
 Parthenocissus inserta
 Phytolacca leptostachya
 Podophyllum peltatum
 Polygonatum canaliculatum
 Polygonatum pubescens
 Potentilla simplex 3
~~Prunella alba~~ 4
 Ranunculus abortivus
 R. recurvatus 10
 Rhus radicans
 Ribes sp. 4
 Rosa sp.
 Rubus allegheniensis
 R. occidentalis
 R. strigosus
 Sambucus canadensis
 Sanguinaria canadensis
 Sanicula gregraria 9 10
 S. marilandica
 Smilacina racemosa
 S. stellata
 Smilax edirrhata
 S. herbacea
 S. tannoides
 Solidago flexicaulis
 S. ulmifolia
 Thalictrum dioicum
 Tovara virginiana
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrium virginicum
 Viburnum acerifolium
 Viola cucullata 2 6 8
 V. pubescens
 Vitis aestivalis
 Xanthoxylum americ.
 Zizia aurea

Aster pilosus 6

UPLAND HARDWOOD GRAZING SPECIES LIST.

Stand location. _____

Stand No. 1845

Ambrosia artemisiifolia

A. trifida

Anemone cylindrica

Arabis canadensis

Arctium minus

Bidens sp.

Cerastium vulgatum

Chenopodium hybridum

Cirsium arvense

C. discolor 129

Cornus stolonifera

Dioscorea villosa

Linus canadensis

Leonurus cardiaca

Lithospermum latifolium

Medicago lupulina 9

Milium effusum

Muhlenbergia schreberi

Oxalis stricta 578

Panicum leibergii

Achillea 1256789

Aster pilosus 2

Asclepias verticillata 4

Physalis heterophylla

Pilea pumila

Plantago sp.

Plantago lanceolata

Poa compressa

P. pratense 123456789¹⁰

Polygonum convolvulus

P. hydropiper

Prunella vulgaris

Rudbeckia hirta

Rumex acetosella

Scrophularia marilandica

Senecio pauperculus

Setaria glauca 356910

Solanum nigrum

Solidago latifolia

S. caesia

Stellaria media

Taraxacum officinale 12456789¹⁰

Trifolium hybridum - 15678910

T. pratense.

Phlox 1

6-12345689

Panicum 2-5

Crotalaria 49

Euphorbia
capitata 568

Centaurium
maculosa 10

Presence or Frequency
(Common species only)Stand. no.
Quadrat no.

SOUTHERN UPLAND HARDWOODS

| | |
|---|------------------------------------|
| Adiantum pedatum | Osmorhiza longistylis |
| Arisaema gryposepala 1 | Panax quinquefolia |
| Amphicarpa braceata | Panicum latifolium |
| Anemone quinquefolia | Parietaria pennsylvanica |
| Anemonella thalictroides | Parthenocissus inserta |
| Antennaria sp. | Phytolacca leptostachya |
| Aquilegia canadensis | Podophyllum peltatum |
| Arisaema atropurpureum | Polygonatum canaliculatum |
| Aster sagittifolius | Polygonatum pubescens |
| A. shortii | Potentilla simplex <i>Canad. 7</i> |
| Aspidium filix-femina | Prenanthes alba |
| Botrychium virginianum | Ranunculus abortivus |
| Campanula americana | R. recurvatus |
| Carex albursina | Rhus radicans |
| C. pennsylvanica 2 <i>17 medic. minor</i> | Ribes sp. |
| Caulophyllum thalictroides | Rosa so. |
| Celastrus scandens | Rubus allegheniensis |
| Circaea quadrifida | R. occidentalis |
| Cornus rugosa | R. strigosus |
| Corylus americana | Sambucus canadensis |
| Cryptotaenia canadensis | Sanguinaria canadensis |
| Cuscuta glutinosa | Sanicula gregaria |
| Dodecatheon meadia | S. marilandica |
| Erigeron pulchellus <i>ann 258</i> | Smilacina racemosa |
| Eupatorium purpureum | S. stellata 3 |
| Eupatorium rugosum | Smilax acirrhata |
| Festuca obtusa | S. herbacea |
| Fragaria virginiana 1 | S. tamnoides |
| Galium aparine | Solidago flexicaulis |
| G. concinnum | S. ulmifolia |
| G. triflorum | Thalictrum dioicum |
| Geranium maculatum | Toxaria virginiana |
| Geum canadense | Triosteum perfoliatum |
| Hackelia virginica | Uvularia grandiflora |
| Helianthus strumosus | Veronicastrum virginicum |
| Heuchera richardsonii | Viburnum acerifolium |
| Hydrophyllum virginianum | Viola cucullata 245 |
| Impatiens pensilvanica | V. pubescens |
| I. pallida | Vitis aestivalis |
| Isopyrum biternatum | Xanthoxylum americ. |
| Lactuca biennis | Zizia aurea |
| Laportea canadensis | |
| Monarda fistulosa | |
| Osmorhiza clayton. | |

Antennaria 1